

Academic Research and Development Expenditures: Fiscal Year 2007

Detailed Statistical Tables | NSF 09-303 | March 2009

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General Notes

The data presented in this report were compiled from the National Science Foundation (NSF) FY 2007 Survey of Research and Development Expenditures at Universities and Colleges. The fiscal year reference period refers to the fiscal year of the surveyed institution. Macro International, Inc., currently conducts the survey under contract to NSF. The survey collects the separately budgeted R&D expenditures in science and engineering (S&E) fields reported by universities and colleges. Unless otherwise noted, expenditures analyzed in this report refer to S&E R&D activities only. Non-S&E expenditures are reported separately and are not included in the overall expenditures totals. Terms used in institutional accounting procedures are incorporated throughout the tables and are defined below.

Separately budgeted R&D expenditures include all funds expended for activities that are specifically organized to produce research outcomes. These activities are either commissioned by an agency external to the institution or are separately budgeted by an organizational unit within the institution. *Expenditures* are funds actually spent by an institution during its fiscal year. *Separately budgeted R&D equipment purchased from current funds* includes all research equipment purchased under sponsored research project awards.

Federally funded research and development centers (FFRDCs) are R&D-performing organizations that range in organizational structure from traditional contractor-owned/contractor-operated or government-owned/contractor-operated to structures in which degrees of contractor/government control and ownership vary. FFRDCs are formed to achieve particular federal R&D objectives that cannot be met as effectively by existing organizations.

Imputation and imputed data refer to the computerized process by which NSF develops estimates of data when institutions do not provide information upon request. Estimates are based primarily on key data items reported in prior-year surveys. When these key data items are not available, estimates are derived from data of respondent institutions that have similar characteristics, including highest degree granted and type of institutional control (public or private). In this publication, the letter "i" is used to identify imputed data. The letter "e" is used when institutional respondents indicated that their data were estimated.

Data presented in trend tables were compiled from the most recently completed survey cycle. Prior-year data have been reviewed for consistency with current-year responses and, when necessary, revised in consultation with institutional respondents. Institutions revise data from previous years when important changes occur in reporting practices and program classifications, and only the latest tables incorporate such changes. For accurate historical data, use only the most recently published detailed statistical tables.

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TABLE 1. R&D expenditures at universities and colleges, by source of funds: FY 1953–2007
(Dollars in millions)

Fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Industry	Institution funds	All other sources
1953	255	138	37	19	35	26
1954	290	160	42	22	38	28
1955	312	169	47	25	41	30
1956	372	213	53	29	43	34
1957	410	229	60	34	49	38
1958	456	254	68	39	53	42
1959	526	306	76	39	58	47
1960	646	405	85	40	64	52
1961	763	500	95	40	70	58
1962	904	613	106	40	79	66
1963	1,081	760	118	41	89	73
1964	1,275	917	132	40	103	83
1965	1,474	1,073	143	41	124	93
1966	1,715	1,261	156	42	148	108
1967	1,921	1,409	164	48	181	119
1968	2,149	1,572	172	55	218	132
1969	2,225	1,600	197	60	223	145
1970	2,335	1,647	219	61	243	165
1971	2,500	1,724	255	70	274	177
1972	2,630	1,795	269	74	305	187
1973	2,884	1,985	295	84	318	202
1974	3,022	2,032	308	95	368	219
1975	3,409	2,288	332	113	417	259
1976	3,729	2,512	364	123	446	285
1977	4,067	2,726	374	139	514	314
1978 ^a	4,625	3,059	414	170	623	359
1979	5,366	3,598	472	193	735	368
1980	6,063	4,098	491	236	835	403
1981	6,847	4,571	546	291	1,004	435
1982	7,324	4,768	616	337	1,111	491
1983	7,882	4,989	626	389	1,302	576
1984	8,620	5,431	690	475	1,411	613
1985	9,687	6,064	752	560	1,617	694
1986	10,928	6,712	915	700	1,869	732
1987	12,153	7,343	1,023	790	2,168	828
1988	13,463	8,193	1,106	872	2,356	935
1989	14,979	8,993	1,224	994	2,698	1,071
1990	16,290	9,640	1,324	1,127	3,006	1,191
1991	17,589	10,238	1,474	1,204	3,367	1,307
1992	18,821	11,095	1,491	1,279	3,548	1,409
1993	19,954	11,960	1,559	1,360	3,589	1,486
1994	21,035	12,654	1,555	1,423	3,828	1,575
1995	22,179	13,337	1,690	1,489	4,048	1,614
1996	23,055	13,847	1,812	1,606	4,172	1,619
1997	24,380	14,321	1,910	1,737	4,699	1,712
1998	25,867	15,159	1,945	1,889	5,004	1,871
1999	27,544	16,112	2,022	2,033	5,382	1,995
2000	30,084	17,548	2,200	2,156	5,925	2,255
2001	32,824	19,244	2,321	2,219	6,615	2,426
2002	36,405	21,873	2,506	2,191	7,134	2,701

TABLE 1. R&D expenditures at universities and colleges, by source of funds: FY 1953–2007
(Dollars in millions)

Fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Industry	Institution funds	All other sources
2003	40,100	24,771	2,647	2,162	7,664	2,857
2004	43,258	27,644	2,879	2,129	7,753	2,852
2005	45,793	29,203	2,942	2,294	8,261	3,093
2006	47,743	30,124	2,963	2,404	9,057	3,196
2007	49,431	30,441	3,145	2,672	9,655	3,517

^a FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 2. R&D expenditures at universities and colleges, by character of work: FY 1953–2007
(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
1953	255	110	43.1	145	56.9
1954	290	136	46.9	154	53.1
1955	312	159	51.0	153	49.0
1956	372	200	53.8	172	46.2
1957	410	240	58.5	170	41.5
1958	456	281	61.6	175	38.4
1959	526	343	65.2	183	34.8
1960	646	433	67.0	213	33.0
1961	763	536	70.2	227	29.8
1962	904	659	72.9	245	27.1
1963	1,081	814	75.3	267	24.7
1964	1,275	1,003	78.7	272	21.3
1965	1,474	1,138	77.2	336	22.8
1966	1,715	1,303	76.0	412	24.0
1967	1,921	1,457	75.8	464	24.2
1968	2,149	1,650	76.8	499	23.2
1969	2,225	1,711	76.9	514	23.1
1970	2,335	1,796	76.9	539	23.1
1971	2,500	1,914	76.6	586	23.4
1972	2,630	2,022	76.9	608	23.1
1973	2,884	2,053	71.2	831	28.8
1974	3,022	2,153	71.2	869	28.8
1975	3,409	2,410	70.7	999	29.3
1976	3,729	2,549	68.4	1,180	31.6
1977	4,067	2,800	68.8	1,267	31.2
1978 ^a	4,625	na	na	na	na
1979	5,366	3,619	67.4	1,747	32.6
1980	6,063	4,036	66.6	2,026	33.4
1981	6,847	4,594	67.1	2,253	32.9
1982	7,324	4,879	66.6	2,445	33.4
1983	7,882	5,303	67.3	2,579	32.7
1984	8,620	5,733	66.5	2,887	33.5
1985	9,687	6,556	67.7	3,131	32.3
1986	10,928	7,492	68.6	3,435	31.4
1987	12,153	8,393	69.1	3,760	30.9
1988	13,463	8,894	66.1	4,569	33.9
1989	14,979	9,793	65.4	5,186	34.6
1990	16,290	10,645	65.3	5,645	34.7
1991	17,589	11,607	66.0	5,982	34.0
1992	18,821	12,516	66.5	6,305	33.5
1993	19,954	13,303	66.7	6,651	33.3
1994	21,035	13,989	66.5	7,046	33.5
1995	22,179	14,812	66.8	7,367	33.2
1996	23,055	15,481	67.1	7,574	32.9
1997	24,380	16,602	68.1	7,778	31.9
1998	25,867	19,057	73.7	6,810	26.3
1999	27,544	20,376	74.0	7,168	26.0
2000	30,084	22,465	74.7	7,619	25.3
2001	32,824	24,397	74.3	8,427	25.7
2002	36,405	27,320	75.0	9,085	25.0
2003	40,100	30,006	74.8	10,094	25.2

TABLE 2. R&D expenditures at universities and colleges, by character of work: FY 1953–2007
(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2004	43,258	31,958	73.9	11,300	26.1
2005	45,793	34,358	75.0	11,434	25.0
2006	47,743	36,063	75.5	11,680	24.5
2007	49,431	37,609	76.1	11,822	23.9

na = not applicable; separate data for basic research and applied research and development were not collected for FY 1978.

^a FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTES: R&D expenditures by character of work are based on estimates of basic research provided by universities and colleges. Because of rounding, detail may not add to total. The character of work estimation procedure was revised for FY 1998 and later years; hence, these data are not directly comparable with data for FY 1997 and earlier years.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 3. Federally financed R&D expenditures at universities and colleges, by character of work: FY 1953–2007
(Dollars in millions)

Fiscal year	All federal R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
1953	138	na	na	na	na
1954	160	na	na	na	na
1955	169	na	na	na	na
1956	213	na	na	na	na
1957	229	na	na	na	na
1958	254	na	na	na	na
1959	306	na	na	na	na
1960	405	na	na	na	na
1961	500	na	na	na	na
1962	613	na	na	na	na
1963	760	na	na	na	na
1964	917	na	na	na	na
1965	1,073	na	na	na	na
1966	1,261	na	na	na	na
1967	1,409	na	na	na	na
1968	1,572	na	na	na	na
1969	1,600	na	na	na	na
1970	1,647	na	na	na	na
1971	1,724	na	na	na	na
1972	1,795	1,420	79.1	375	20.9
1973	1,985	1,454	73.2	531	26.8
1974	2,032	1,523	75.0	509	25.0
1975	2,288	1,695	74.1	593	25.9
1976	2,512	1,841	73.3	671	26.7
1977	2,726	2,007	73.6	719	26.4
1978 ^a	3,059	na	na	na	na
1979	3,598	2,577	71.6	1,022	28.4
1980	4,098	2,861	69.8	1,237	30.2
1981	4,571	3,260	71.3	1,311	28.7
1982	4,768	3,402	71.3	1,367	28.7
1983	4,989	3,547	71.1	1,442	28.9
1984	5,431	3,830	70.5	1,601	29.5
1985	6,064	4,343	71.6	1,722	28.4
1986	6,712	4,868	72.5	1,844	27.5
1987	7,343	5,375	73.2	1,968	26.8
1988	8,193	5,678	69.3	2,515	30.7
1989	8,993	6,195	68.9	2,797	31.1
1990	9,640	6,649	69.0	2,991	31.0
1991	10,238	7,128	69.6	3,110	30.4
1992	11,095	7,718	69.6	3,377	30.4
1993	11,960	8,398	70.2	3,562	29.8
1994	12,654	8,878	70.2	3,775	29.8
1995	13,337	9,399	70.5	3,938	29.5
1996	13,847	9,868	71.3	3,978	28.7
1997	14,321	10,316	72.0	4,006	28.0
1998	15,159	11,862	78.2	3,298	21.8
1999	16,112	12,665	78.6	3,446	21.4
2000	17,548	13,847	78.9	3,700	21.1
2001	19,244	15,049	78.2	4,195	21.8
2002	21,873	17,221	78.7	4,652	21.3
2003	24,771	19,539	78.9	5,232	21.1

TABLE 3. Federally financed R&D expenditures at universities and colleges, by character of work: FY 1953–2007
(Dollars in millions)

Fiscal year	All federal R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2004	27,644	21,361	77.3	6,283	22.7
2005	29,203	22,895	78.4	6,308	21.6
2006	30,124	23,691	78.6	6,433	21.4
2007	30,441	23,963	78.7	6,478	21.3

na = not applicable; separate data for federally financed basic research and applied research and development were not collected for these years.

^a FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTES: R&D expenditures by character of work are based on estimates of basic research provided by universities and colleges. Because of rounding, detail may not add to total. The character of work estimation procedure was revised for FY 1998 and later years; hence, these data are not directly comparable with data for FY 1997 and earlier years.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 4. R&D expenditures at universities and colleges, by source of funds and science and engineering field: FY 2000–07

(Dollars in thousands)

Source and field	2000	2001	2002	2003	2004	2005	2006	2007
All R&D expenditures	30,084,148	32,823,937	36,405,220	40,100,324	43,257,731	45,792,673	47,742,832	49,430,767
Source of funds								
Federal government	17,547,632	19,244,082	21,873,227	24,770,506	27,643,985	29,203,273	30,123,700	30,440,745
State and local government	2,200,263	2,320,749	2,506,057	2,646,601	2,879,152	2,942,468	2,962,968	3,145,376
Industry	2,156,182	2,218,805	2,191,305	2,161,853	2,129,475	2,293,821	2,403,546	2,672,333
Institutional funds	5,925,145	6,614,573	7,133,665	7,663,869	7,752,915	8,260,536	9,056,638	9,655,290
All other sources	2,254,926	2,425,728	2,700,966	2,857,495	2,852,204	3,092,575	3,195,980	3,517,023
Field								
Science	25,527,214	27,802,205	30,880,327	34,103,278	36,942,810	39,048,053	40,650,833	41,913,877
Computer sciences	876,507	956,192	1,125,534	1,305,078	1,404,139	1,405,693	1,437,863	1,416,852
Environmental sciences	1,765,742	1,829,145	2,017,600	2,194,641	2,353,444	2,553,767	2,601,229	2,725,120
Atmospheric sciences	288,073	301,680	341,242	396,134	414,584	460,015	507,581	491,958
Earth sciences	563,116	555,183	640,480	724,098	828,046	919,034	896,397	909,627
Oceanography	633,031	672,706	718,148	769,831	778,841	812,049	839,495	996,203
Environmental sciences, nec	281,522	299,576	317,730	304,578	331,973	362,669	357,756	327,332
Life sciences	17,471,177	19,229,849	21,439,067	23,757,222	25,949,029	27,603,367	28,802,466	29,763,889
Agricultural sciences	2,177,436	2,322,073	2,450,004	2,555,147	2,695,390	2,656,765	2,797,244	2,901,631
Biological sciences	5,620,983	5,956,828	6,602,786	7,384,528	8,152,438	8,843,512	9,048,080	9,217,644
Medical sciences	8,986,500	10,190,899	11,487,799	12,779,281	14,036,845	14,877,017	15,805,263	16,514,708
Life sciences, nec	686,258	760,049	898,478	1,038,266	1,064,356	1,226,073	1,151,879	1,129,906
Mathematical sciences	341,605	359,944	388,241	428,002	448,502	494,539	532,877	571,579
Physical sciences	2,713,085	2,805,735	3,017,071	3,276,657	3,547,023	3,702,233	3,811,540	3,842,391
Astronomy	385,611	378,236	402,359	392,120	420,392	454,343	469,947	462,805
Chemistry	962,304	1,008,588	1,129,251	1,226,022	1,318,180	1,370,949	1,413,123	1,447,351
Physics	1,207,615	1,240,769	1,286,898	1,418,405	1,522,118	1,596,700	1,610,253	1,613,462
Physical sciences, nec	157,555	178,142	198,563	240,110	286,333	280,241	318,217	318,773
Psychology	516,878	583,384	672,966	769,840	782,530	825,651	875,264	863,358
Social sciences	1,299,505	1,443,921	1,596,583	1,674,668	1,675,804	1,684,816	1,702,092	1,781,410
Economics	255,331	271,784	284,075	313,456	317,201	324,406	338,415	349,468
Political sciences	230,023	255,368	283,166	304,405	308,292	323,549	316,373	337,445
Sociology	301,229	328,337	375,341	368,105	355,143	370,242	399,402	393,404
Social sciences, nec	512,922	588,432	654,001	688,702	695,168	666,619	647,902	701,093
Sciences, nec	542,715	594,035	623,265	697,170	782,339	777,987	887,502	949,278
Engineering	4,556,934	5,021,732	5,524,893	5,997,046	6,314,921	6,744,620	7,091,999	7,516,890
Aeronautical/astronautical engineering	258,519	341,566	345,957	405,666	436,587	445,175	384,877	423,651
Bioengineering/biomedical engineering	173,710	212,574	281,853	313,503	370,222	420,017	476,579	537,470
Chemical engineering	375,708	414,477	430,785	453,347	492,859	505,965	559,990	601,926
Civil engineering	601,011	664,320	717,159	775,894	788,957	788,007	858,141	862,927
Electrical engineering	1,118,358	1,163,903	1,306,141	1,401,251	1,438,005	1,582,315	1,614,975	1,674,600
Mechanical engineering	632,530	686,913	779,946	820,855	875,124	935,925	1,048,014	1,130,112
Metallurgical/materials engineering	399,350	452,795	467,970	548,254	565,367	611,992	643,219	638,270
Engineering, nec	997,748	1,085,184	1,195,082	1,278,276	1,347,800	1,455,224	1,506,204	1,647,934

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 5. Federally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All federal R&D expenditures	17,547,632	19,244,082	21,873,227	24,770,506	27,643,985	29,203,273	30,123,700	30,440,745
Science	14,966,638	16,390,457	18,640,096	21,156,182	23,735,618	25,072,368	25,818,631	25,978,817
Computer sciences	583,714	644,366	770,374	937,084	1,025,138	1,022,274	1,017,103	1,013,649
Environmental sciences	1,134,506	1,186,852	1,291,705	1,446,241	1,596,309	1,729,783	1,767,913	1,834,740
Atmospheric sciences	223,240	233,229	250,302	297,790	320,857	361,857	406,604	386,786
Earth sciences	331,718	329,282	370,248	439,959	536,901	615,680	591,590	597,139
Oceanography	422,521	449,180	485,767	537,255	546,973	545,497	560,981	672,884
Environmental sciences, nec	157,027	175,161	185,388	171,237	191,578	206,749	208,738	177,931
Life sciences	10,069,563	11,201,522	12,856,566	14,652,483	16,667,462	17,691,790	18,278,705	18,347,934
Agricultural sciences	578,787	616,649	689,286	764,261	866,940	844,408	883,477	896,573
Biological sciences	3,658,744	3,874,394	4,424,112	5,019,136	5,743,895	6,198,491	6,246,103	6,199,005
Medical sciences	5,441,910	6,259,575	7,206,642	8,242,517	9,389,025	9,895,887	10,437,593	10,574,346
Life sciences, nec	390,122	450,904	536,526	626,569	667,602	753,004	711,532	678,010
Mathematical sciences	230,025	242,199	268,533	294,745	317,889	346,294	374,933	408,082
Physical sciences	1,915,966	1,973,710	2,131,921	2,356,654	2,569,310	2,672,209	2,698,774	2,677,165
Astronomy	276,766	260,002	277,644	271,580	289,272	310,886	317,415	301,847
Chemistry	631,606	660,602	737,140	819,638	921,226	952,126	967,923	969,150
Physics	902,149	927,116	975,393	1,088,485	1,169,353	1,226,969	1,214,806	1,218,828
Physical sciences, nec	105,445	125,990	141,744	176,951	189,459	182,228	198,630	187,340
Psychology	350,851	399,001	476,062	553,713	586,837	610,541	629,037	599,882
Social sciences	490,960	548,155	618,073	668,503	696,984	697,574	711,700	755,300
Economics	89,185	89,775	99,787	106,433	109,044	108,928	120,188	124,802
Political sciences	62,906	73,754	79,964	97,222	112,762	112,798	106,835	129,141
Sociology	137,075	148,617	178,370	179,658	181,784	193,061	216,187	206,012
Social sciences, nec	201,794	236,009	259,952	285,190	293,394	282,787	268,490	295,345
Sciences, nec	191,053	194,652	226,862	246,759	275,689	301,903	340,466	342,065
Engineering	2,580,994	2,853,625	3,233,131	3,614,324	3,908,367	4,130,905	4,305,069	4,461,928
Aeronautical/astronautical engineering	183,376	257,255	250,255	309,384	334,079	335,135	287,369	293,693
Bioengineering/biomedical engineering	90,787	120,898	167,332	190,493	235,943	255,387	294,695	320,317
Chemical engineering	196,325	214,859	230,157	248,086	268,139	295,329	319,985	323,587
Civil engineering	237,073	264,779	300,479	326,774	347,843	337,634	334,556	360,742
Electrical engineering	701,038	726,426	819,667	925,843	971,295	1,047,634	1,076,228	1,103,339
Mechanical engineering	383,421	416,476	508,059	532,644	587,806	626,832	685,387	699,866
Metallurgical/materials engineering	226,743	240,875	262,898	313,784	352,062	369,214	386,123	381,909
Engineering, nec	562,231	612,057	694,284	767,316	811,200	863,740	920,726	978,475

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 6. Nonfederally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2000–07

(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All nonfederal R&D expenditures	12,536,516	13,579,855	14,531,993	15,329,818	15,613,746	16,589,400	17,619,132	18,990,022
Science	10,560,576	11,411,748	12,240,231	12,947,096	13,207,192	13,975,685	14,832,202	15,935,060
Computer sciences	292,793	311,826	355,160	367,994	379,001	383,419	420,760	403,203
Environmental sciences	631,236	642,293	725,895	748,400	757,135	823,984	833,316	890,380
Atmospheric sciences	64,833	68,451	90,940	98,344	93,727	98,158	100,977	105,172
Earth sciences	231,398	225,901	270,232	284,139	291,145	303,354	304,807	312,488
Oceanography	210,510	223,526	232,381	232,576	231,868	266,552	278,514	323,319
Environmental sciences, nec	124,495	124,415	132,342	133,341	140,395	155,920	149,018	149,401
Life sciences	7,401,614	8,028,327	8,582,501	9,104,739	9,281,567	9,911,577	10,523,761	11,415,955
Agricultural sciences	1,598,649	1,705,424	1,760,718	1,790,886	1,828,450	1,812,357	1,913,767	2,005,058
Biological sciences	1,962,239	2,082,434	2,178,674	2,365,392	2,408,543	2,645,021	2,801,977	3,018,639
Medical sciences	3,544,590	3,931,324	4,281,157	4,536,764	4,647,820	4,981,130	5,367,670	5,940,362
Life sciences, nec	296,136	309,145	361,952	411,697	396,754	473,069	440,347	451,896
Mathematical sciences	111,580	117,745	119,708	133,257	130,613	148,245	157,944	163,497
Physical sciences	797,119	832,025	885,150	920,003	977,713	1,030,024	1,112,766	1,165,226
Astronomy	108,845	118,234	124,715	120,540	131,120	143,457	152,532	160,958
Chemistry	330,698	347,986	392,111	406,384	396,954	418,823	445,200	478,201
Physics	305,466	313,653	311,505	329,920	352,765	369,731	395,447	394,634
Physical sciences, nec	52,110	52,152	56,819	63,159	96,874	98,013	119,587	131,433
Psychology	166,027	184,383	196,904	216,127	195,693	215,110	246,227	263,476
Social sciences	808,545	895,766	978,510	1,006,165	978,820	987,242	990,392	1,026,110
Economics	166,146	182,009	184,288	207,023	208,157	215,478	218,227	224,666
Political sciences	167,117	181,614	203,202	207,183	195,530	210,751	209,538	208,304
Sociology	164,154	179,720	196,971	188,447	173,359	177,181	183,215	187,392
Social sciences, nec	311,128	352,423	394,049	403,512	401,774	383,832	379,412	405,748
Sciences, nec	351,662	399,383	396,403	450,411	506,650	476,084	547,036	607,213
Engineering	1,975,940	2,168,107	2,291,762	2,382,722	2,406,554	2,613,715	2,786,930	3,054,962
Aeronautical/astronautical engineering	75,143	84,311	95,702	96,282	102,508	110,040	97,508	129,958
Bioengineering/biomedical engineering	82,923	91,676	114,521	123,010	134,279	164,630	181,884	217,153
Chemical engineering	179,383	199,618	200,628	205,261	224,720	210,636	240,005	278,339
Civil engineering	363,938	399,541	416,680	449,120	441,114	450,373	523,585	502,185
Electrical engineering	417,320	437,477	486,474	475,408	466,710	534,681	538,747	571,261
Mechanical engineering	249,109	270,437	271,887	288,211	287,318	309,093	362,627	430,246
Metallurgical/materials engineering	172,607	211,920	205,072	234,470	213,305	242,778	257,096	256,361
Engineering, nec	435,517	473,127	500,798	510,960	536,600	591,484	585,478	669,459

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 7. R&D expenditures at public universities and colleges, by source of funds and science and engineering field: FY 2000–07
(Dollars in thousands)

Source and field	2000	2001	2002	2003	2004	2005	2006	2007
All R&D expenditures	20,520,508	22,424,223	24,894,071	27,361,734	29,296,752	30,864,654	32,331,151	33,538,024
Source of funds								
Federal government	10,659,795	11,732,309	13,410,387	15,312,372	16,957,551	17,910,520	18,547,311	18,779,933
State and local government	2,005,395	2,084,948	2,254,917	2,360,250	2,592,813	2,643,795	2,657,560	2,817,014
Industry	1,439,927	1,477,495	1,468,988	1,456,641	1,452,575	1,534,549	1,640,025	1,796,570
Institution funds	4,989,109	5,599,739	6,018,492	6,393,810	6,433,217	6,833,875	7,420,176	7,862,242
All other sources	1,426,282	1,529,732	1,741,287	1,838,661	1,860,596	1,941,915	2,066,079	2,282,265
Field								
Science	17,225,558	18,784,080	20,915,053	23,092,093	24,814,416	26,114,367	27,279,516	28,149,125
Computer sciences	526,686	572,804	666,193	826,170	901,803	883,842	889,907	895,554
Environmental sciences	1,424,653	1,488,520	1,650,042	1,783,926	1,895,704	2,073,043	2,104,053	2,211,721
Atmospheric sciences	234,356	246,960	286,511	330,861	333,074	398,901	423,236	414,383
Earth sciences	447,739	443,825	518,982	593,331	683,020	761,195	740,717	784,158
Oceanography	543,480	581,219	609,742	651,581	651,109	672,126	707,179	779,120
Environmental sciences, nec	199,078	216,516	234,807	208,153	228,501	240,821	232,921	234,060
Life sciences	11,486,026	12,625,873	14,102,431	15,592,175	16,859,671	17,810,219	18,614,350	19,199,259
Agricultural sciences	2,116,069	2,248,748	2,372,260	2,472,495	2,609,485	2,566,822	2,702,937	2,806,618
Biological sciences	3,587,834	3,717,046	4,166,435	4,710,358	4,972,375	5,381,170	5,507,512	5,592,802
Medical sciences	5,351,857	6,154,635	6,954,785	7,693,465	8,527,222	9,014,849	9,559,809	9,954,637
Life sciences, nec	430,266	505,444	608,951	715,857	750,589	847,378	844,092	845,202
Mathematical sciences	215,046	234,451	259,269	288,423	294,636	326,220	354,491	372,343
Physical sciences	1,804,151	1,874,739	2,035,893	2,187,925	2,363,341	2,489,680	2,605,831	2,636,383
Astronomy	244,324	244,215	267,672	261,439	269,692	304,457	326,655	340,458
Chemistry	673,487	715,657	826,810	894,335	956,492	1,000,841	1,021,904	1,035,066
Physics	809,642	831,840	851,044	930,486	1,001,578	1,049,870	1,076,121	1,063,582
Physical sciences, nec	76,698	83,027	90,367	101,665	135,579	134,512	181,151	197,277
Psychology	381,725	434,108	498,120	568,152	566,900	608,501	652,867	639,741
Social sciences	1,000,741	1,131,176	1,254,152	1,338,725	1,334,213	1,333,819	1,355,252	1,422,247
Economics	205,923	228,992	239,690	269,427	269,872	277,082	288,887	296,400
Political sciences	139,237	153,792	156,540	184,197	179,088	194,957	200,914	225,346
Sociology	223,897	249,567	298,541	291,322	277,086	285,091	310,453	303,056
Social sciences, nec	431,684	498,825	559,381	593,779	608,167	576,689	554,998	597,445
Sciences, nec	386,530	422,409	448,953	506,597	598,148	589,043	702,765	771,877
Engineering	3,294,950	3,640,143	3,979,018	4,269,641	4,482,336	4,750,287	5,051,635	5,388,899
Aeronautical/astronautical engineering	179,401	244,850	240,039	283,281	309,556	289,392	256,361	285,222
Bioengineering/biomedical engineering	106,507	134,764	184,944	185,512	213,435	231,692	276,484	307,282
Chemical engineering	272,616	300,275	317,474	334,813	371,334	387,348	418,076	468,735
Civil engineering	509,623	563,097	604,974	654,811	665,617	673,037	744,579	750,209
Electrical engineering	785,457	815,916	922,273	990,162	1,022,837	1,134,626	1,150,127	1,202,781
Mechanical engineering	419,293	453,830	521,758	543,909	586,120	612,969	691,140	767,234
Metallurgical/materials engineering	296,003	345,897	351,944	408,525	411,320	437,619	465,966	463,626
Engineering, nec	726,050	781,514	835,612	868,628	902,117	983,604	1,048,902	1,143,810

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 8. Federally financed R&D expenditures at public universities and colleges, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All federal R&D expenditures	10,659,795	11,732,309	13,410,387	15,312,372	16,957,551	17,910,520	18,547,311	18,779,933
Science	9,026,021	9,901,708	11,356,662	13,035,415	14,499,096	15,328,789	15,826,099	15,974,029
Computer sciences	306,338	335,498	397,014	547,509	602,942	583,225	554,985	577,250
Environmental sciences	853,234	906,775	990,808	1,117,709	1,212,020	1,332,076	1,363,014	1,419,107
Atmospheric sciences	175,200	185,516	202,674	240,971	245,532	306,952	331,492	316,727
Earth sciences	242,176	243,386	275,712	338,366	418,061	486,590	465,420	498,901
Oceanography	341,318	365,872	390,100	436,318	436,804	427,056	453,249	496,207
Environmental sciences, nec	94,540	112,001	122,322	102,054	111,623	111,478	112,853	107,272
Life sciences	5,861,538	6,502,445	7,539,271	8,671,267	9,782,577	10,384,156	10,763,564	10,787,411
Agricultural sciences	560,303	594,064	665,711	736,290	836,038	811,054	845,737	862,506
Biological sciences	2,138,973	2,198,887	2,553,857	2,957,991	3,239,991	3,492,783	3,551,393	3,511,203
Medical sciences	2,957,029	3,449,475	4,002,511	4,599,279	5,293,851	5,625,833	5,892,130	5,940,862
Life sciences, nec	205,233	260,019	317,192	377,707	412,697	454,486	474,304	472,840
Mathematical sciences	123,752	135,288	158,689	177,211	186,476	204,601	224,815	237,304
Physical sciences	1,138,546	1,182,789	1,303,580	1,431,100	1,561,451	1,647,272	1,683,498	1,690,097
Astronomy	144,690	138,807	155,902	155,418	158,601	179,652	190,763	195,785
Chemistry	411,327	439,220	509,875	567,777	637,648	666,642	665,952	673,061
Physics	547,517	559,814	590,942	652,763	706,414	747,154	746,286	738,725
Physical sciences, nec	35,012	44,948	46,861	55,142	58,788	53,824	80,497	82,526
Psychology	248,397	282,686	338,824	394,190	413,760	434,340	449,881	420,785
Social sciences	366,069	414,009	475,696	527,959	545,298	539,600	551,981	591,368
Economics	68,565	71,322	81,595	85,944	86,127	88,136	96,535	99,417
Political sciences	31,149	38,450	38,939	59,095	65,556	64,249	64,062	86,473
Sociology	97,410	110,370	138,311	137,862	136,076	142,683	165,540	155,932
Social sciences, nec	168,945	193,867	216,851	245,058	257,539	244,532	225,844	249,546
Sciences, nec	128,147	142,218	152,780	168,470	194,572	203,519	234,361	250,707
Engineering	1,633,774	1,830,601	2,053,725	2,276,957	2,458,455	2,581,731	2,721,212	2,805,904
Aeronautical/astronautical engineering	116,136	175,918	159,111	206,959	224,871	193,533	179,315	176,120
Bioengineering/biomedical engineering	41,335	63,826	96,984	93,090	118,821	120,157	147,316	151,779
Chemical engineering	130,777	141,520	152,033	167,626	182,599	213,111	222,853	232,362
Civil engineering	180,994	204,799	228,556	249,754	267,027	266,397	267,069	289,330
Electrical engineering	452,454	463,157	525,077	595,904	632,605	687,730	705,266	722,562
Mechanical engineering	218,523	240,245	306,792	318,507	354,558	366,704	393,291	410,420
Metallurgical/materials engineering	152,143	169,057	179,770	212,375	238,114	244,958	260,183	255,867
Engineering, nec	341,412	372,079	405,402	432,742	439,860	489,141	545,919	567,464

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 9. Nonfederally financed R&D expenditures at public universities and colleges, by science and engineering field: FY 2000–07

(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All nonfederal R&D expenditures	9,860,713	10,691,914	11,483,684	12,049,362	12,339,201	12,954,134	13,783,840	14,758,091
Science	8,199,537	8,882,372	9,558,391	10,056,678	10,315,320	10,785,578	11,453,417	12,175,096
Computer sciences	220,348	237,306	269,179	278,661	298,861	300,617	334,922	318,304
Environmental sciences	571,419	581,745	659,234	666,217	683,684	740,967	741,039	792,614
Atmospheric sciences	59,156	61,444	83,837	89,890	87,542	91,949	91,744	97,656
Earth sciences	205,563	200,439	243,270	254,965	264,959	274,605	275,297	285,257
Oceanography	202,162	215,347	219,642	215,263	214,305	245,070	253,930	282,913
Environmental sciences, nec	104,538	104,515	112,485	106,099	116,878	129,343	120,068	126,788
Life sciences	5,624,488	6,123,428	6,563,160	6,920,908	7,077,094	7,426,063	7,850,786	8,411,848
Agricultural sciences	1,555,766	1,654,684	1,706,549	1,736,205	1,773,447	1,755,768	1,857,200	1,944,112
Biological sciences	1,448,861	1,518,159	1,612,578	1,752,367	1,732,384	1,888,387	1,956,119	2,081,599
Medical sciences	2,394,828	2,705,160	2,952,274	3,094,186	3,233,371	3,389,016	3,667,679	4,013,775
Life sciences, nec	225,033	245,425	291,759	338,150	337,892	392,892	369,788	372,362
Mathematical sciences	91,294	99,163	100,580	111,212	108,160	121,619	129,676	135,039
Physical sciences	665,605	691,950	732,313	756,825	801,890	842,408	922,333	946,286
Astronomy	99,634	105,408	111,770	106,021	111,091	124,805	135,892	144,673
Chemistry	262,160	276,437	316,935	326,558	318,844	334,199	355,952	362,005
Physics	262,125	272,026	260,102	277,723	295,164	302,716	329,835	324,857
Physical sciences, nec	41,686	38,079	43,506	46,523	76,791	80,688	100,654	114,751
Psychology	133,328	151,422	159,296	173,962	153,140	174,161	202,986	218,956
Social sciences	634,672	717,167	778,456	810,766	788,915	794,219	803,271	830,879
Economics	137,358	157,670	158,095	183,483	183,745	188,946	192,352	196,983
Political sciences	108,088	115,342	117,601	125,102	113,532	130,708	136,852	138,873
Sociology	126,487	139,197	160,230	153,460	141,010	142,408	144,913	147,124
Social sciences, nec	262,739	304,958	342,530	348,721	350,628	332,157	329,154	347,899
Sciences, nec	258,383	280,191	296,173	338,127	403,576	385,524	468,404	521,170
Engineering	1,661,176	1,809,542	1,925,293	1,992,684	2,023,881	2,168,556	2,330,423	2,582,995
Aeronautical/astronautical engineering	63,265	68,932	80,928	76,322	84,685	95,859	77,046	109,102
Bioengineering/biomedical engineering	65,172	70,938	87,960	92,422	94,614	111,535	129,168	155,503
Chemical engineering	141,839	158,755	165,441	167,187	188,735	174,237	195,223	236,373
Civil engineering	328,629	358,298	376,418	405,057	398,590	406,640	477,510	460,879
Electrical engineering	333,003	352,759	397,196	394,258	390,232	446,896	444,861	480,219
Mechanical engineering	200,770	213,585	214,966	225,402	231,562	246,265	297,849	356,814
Metallurgical/materials engineering	143,860	176,840	172,174	196,150	173,206	192,661	205,783	207,759
Engineering, nec	384,638	409,435	430,210	435,886	462,257	494,463	502,983	576,346

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 10. R&D expenditures at private universities and colleges, by source of funds and science and engineering field: FY 2000–07

(Dollars in thousands)

Source and field	2000	2001	2002	2003	2004	2005	2006	2007
All R&D expenditures	9,563,640	10,399,714	11,511,149	12,738,590	13,960,979	14,928,019	15,411,681	15,892,743
Source of funds								
Federal government	6,887,837	7,511,773	8,462,840	9,458,134	10,686,434	11,292,753	11,576,389	11,660,812
State and local government	194,868	235,801	251,140	286,351	286,339	298,673	305,408	328,362
Industry	716,255	741,310	722,317	705,212	676,900	759,272	763,521	875,763
Institution funds	936,036	1,014,834	1,115,173	1,270,059	1,319,698	1,426,661	1,636,462	1,793,048
All other sources	828,644	895,996	959,679	1,018,834	991,608	1,150,660	1,129,901	1,234,758
Field								
Science	8,301,656	9,018,125	9,965,274	11,011,185	12,128,394	12,933,686	13,371,317	13,764,752
Computer sciences	349,821	383,388	459,341	478,908	502,336	521,851	547,956	521,298
Environmental sciences	341,089	340,625	367,558	410,715	457,740	480,724	497,176	513,399
Atmospheric sciences	53,717	54,720	54,731	65,273	81,510	61,114	84,345	77,575
Earth sciences	115,377	111,358	121,498	130,767	145,026	157,839	155,680	125,469
Oceanography	89,551	91,487	108,406	118,250	127,732	139,923	132,316	217,083
Environmental sciences, nec	82,444	83,060	82,923	96,425	103,472	121,848	124,835	93,272
Life sciences	5,985,151	6,603,976	7,336,636	8,165,047	9,089,358	9,793,148	10,188,116	10,564,630
Agricultural sciences	61,367	73,325	77,744	82,652	85,905	89,943	94,307	95,013
Biological sciences	2,033,149	2,239,782	2,436,351	2,674,170	3,180,063	3,462,342	3,540,568	3,624,842
Medical sciences	3,634,643	4,036,264	4,533,014	5,085,816	5,509,623	5,862,168	6,245,454	6,560,071
Life sciences, nec	255,992	254,605	289,527	322,409	313,767	378,695	307,787	284,704
Mathematical sciences	126,559	125,493	128,972	139,579	153,866	168,319	178,386	199,236
Physical sciences	908,934	930,996	981,178	1,088,732	1,183,682	1,212,553	1,205,709	1,206,008
Astronomy	141,287	134,021	134,687	130,681	150,700	149,886	143,292	122,347
Chemistry	288,817	292,931	302,441	331,687	361,688	370,108	391,219	412,285
Physics	397,973	408,929	435,854	487,919	520,540	546,830	534,132	549,880
Physical sciences, nec	80,857	95,115	108,196	138,445	150,754	145,729	137,066	121,496
Psychology	135,153	149,276	174,846	201,688	215,630	217,150	222,397	223,617
Social sciences	298,764	312,745	342,431	335,943	341,591	350,997	346,840	359,163
Economics	49,408	42,792	44,385	44,029	47,329	47,324	49,528	53,068
Political sciences	90,786	101,576	126,626	120,208	129,204	128,592	115,459	112,099
Sociology	77,332	78,770	76,800	76,783	78,057	85,151	88,949	90,348
Social sciences, nec	81,238	89,607	94,620	94,923	87,001	89,930	92,904	103,648
Sciences, nec	156,185	171,626	174,312	190,573	184,191	188,944	184,737	177,401
Engineering	1,261,984	1,381,589	1,545,875	1,727,405	1,832,585	1,994,333	2,040,364	2,127,991
Aeronautical/astronautical engineering	79,118	96,716	105,918	122,385	127,031	155,783	128,516	138,429
Bioengineering/biomedical engineering	67,203	77,810	96,909	127,991	156,787	188,325	200,095	230,188
Chemical engineering	103,092	114,202	113,311	118,534	121,525	118,617	141,914	133,191
Civil engineering	91,388	101,223	112,185	121,083	123,340	114,970	113,562	112,718
Electrical engineering	332,901	347,987	383,868	411,089	415,168	447,689	464,848	471,819
Mechanical engineering	213,237	233,083	258,188	276,946	289,004	322,956	356,874	362,878
Metallurgical/materials engineering	103,347	106,898	116,026	139,729	154,047	174,373	177,253	174,644
Engineering, nec	271,698	303,670	359,470	409,648	445,683	471,620	457,302	504,124

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 11. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All federal R&D expenditures	6,887,837	7,511,773	8,462,840	9,458,134	10,686,434	11,292,753	11,576,389	11,660,812
Science	5,940,617	6,488,749	7,283,434	8,120,767	9,236,522	9,743,579	9,992,532	10,004,788
Computer sciences	277,376	308,868	373,360	389,575	422,196	439,049	462,118	436,399
Environmental sciences	281,272	280,077	300,897	328,532	384,289	397,707	404,899	415,633
Atmospheric sciences	48,040	47,713	47,628	56,819	75,325	54,905	75,112	70,059
Earth sciences	89,542	85,896	94,536	101,593	118,840	129,090	126,170	98,238
Oceanography	81,203	83,308	95,667	100,937	110,169	118,441	107,732	176,677
Environmental sciences, nec	62,487	63,160	63,066	69,183	79,955	95,271	95,885	70,659
Life sciences	4,208,025	4,699,077	5,317,295	5,981,216	6,884,885	7,307,634	7,515,141	7,560,523
Agricultural sciences	18,484	22,585	23,575	27,971	30,902	33,354	37,740	34,067
Biological sciences	1,519,771	1,675,507	1,870,255	2,061,145	2,503,904	2,705,708	2,694,710	2,687,802
Medical sciences	2,484,881	2,810,100	3,204,131	3,643,238	4,095,174	4,270,054	4,545,463	4,633,484
Life sciences, nec	184,889	190,885	219,334	248,862	254,905	298,518	237,228	205,170
Mathematical sciences	106,273	106,911	109,844	117,534	131,413	141,693	150,118	170,778
Physical sciences	777,420	790,921	828,341	925,554	1,007,859	1,024,937	1,015,276	987,068
Astronomy	132,076	121,195	121,742	116,162	130,671	131,234	126,652	106,062
Chemistry	220,279	221,382	227,265	251,861	283,578	285,484	301,971	296,089
Physics	354,632	367,302	384,451	435,722	462,939	479,815	468,520	480,103
Physical sciences, nec	70,433	81,042	94,883	121,809	130,671	128,404	118,133	104,814
Psychology	102,454	116,315	137,238	159,523	173,077	176,201	179,156	179,097
Social sciences	124,891	134,146	142,377	140,544	151,686	157,974	159,719	163,932
Economics	20,620	18,453	18,192	20,489	22,917	20,792	23,653	25,385
Political sciences	31,757	35,304	41,025	38,127	47,206	48,549	42,773	42,668
Sociology	39,665	38,247	40,059	41,796	45,708	50,378	50,647	50,080
Social sciences, nec	32,849	42,142	43,101	40,132	35,855	38,255	42,646	45,799
Sciences, nec	62,906	52,434	74,082	78,289	81,117	98,384	106,105	91,358
Engineering	947,220	1,023,024	1,179,406	1,337,367	1,449,912	1,549,174	1,583,857	1,656,024
Aeronautical/astronautical engineering	67,240	81,337	91,144	102,425	109,208	141,602	108,054	117,573
Bioengineering/biomedical engineering	49,452	57,072	70,348	97,403	117,122	135,230	147,379	168,538
Chemical engineering	65,548	73,339	78,124	80,460	85,540	82,218	97,132	91,225
Civil engineering	56,079	59,980	71,923	77,020	80,816	71,237	67,487	71,412
Electrical engineering	248,584	263,269	294,590	329,939	338,690	359,904	370,962	380,777
Mechanical engineering	164,898	176,231	201,267	214,137	233,248	260,128	292,096	289,446
Metallurgical/materials engineering	74,600	71,818	83,128	101,409	113,948	124,256	125,940	126,042
Engineering, nec	220,819	239,978	288,882	334,574	371,340	374,599	374,807	411,011

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 12. Nonfederally financed R&D expenditures at private universities and colleges, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All nonfederal R&D expenditures	2,675,803	2,887,941	3,048,309	3,280,456	3,274,545	3,635,266	3,835,292	4,231,931
Science	2,361,039	2,529,376	2,681,840	2,890,418	2,891,872	3,190,107	3,378,785	3,759,964
Computer sciences	72,445	74,520	85,981	89,333	80,140	82,802	85,838	84,899
Environmental sciences	59,817	60,548	66,661	82,183	73,451	83,017	92,277	97,766
Atmospheric sciences	5,677	7,007	7,103	8,454	6,185	6,209	9,233	7,516
Earth sciences	25,835	25,462	26,962	29,174	26,186	28,749	29,510	27,231
Oceanography	8,348	8,179	12,739	17,313	17,563	21,482	24,584	40,406
Environmental sciences, nec	19,957	19,900	19,857	27,242	23,517	26,577	28,950	22,613
Life sciences	1,777,126	1,904,899	2,019,341	2,183,831	2,204,473	2,485,514	2,672,975	3,004,107
Agricultural sciences	42,883	50,740	54,169	54,681	55,003	56,589	56,567	60,946
Biological sciences	513,378	564,275	566,096	613,025	676,159	756,634	845,858	937,040
Medical sciences	1,149,762	1,226,164	1,328,883	1,442,578	1,414,449	1,592,114	1,699,991	1,926,587
Life sciences, nec	71,103	63,720	70,193	73,547	58,862	80,177	70,559	79,534
Mathematical sciences	20,286	18,582	19,128	22,045	22,453	26,626	28,268	28,458
Physical sciences	131,514	140,075	152,837	163,178	175,823	187,616	190,433	218,940
Astronomy	9,211	12,826	12,945	14,519	20,029	18,652	16,640	16,285
Chemistry	68,538	71,549	75,176	79,826	78,110	84,624	89,248	116,196
Physics	43,341	41,627	51,403	52,197	57,601	67,015	65,612	69,777
Physical sciences, nec	10,424	14,073	13,313	16,636	20,083	17,325	18,933	16,682
Psychology	32,699	32,961	37,608	42,165	42,553	40,949	43,241	44,520
Social sciences	173,873	178,599	200,054	195,399	189,905	193,023	187,121	195,231
Economics	28,788	24,339	26,193	23,540	24,412	26,532	25,875	27,683
Political sciences	59,029	66,272	85,601	82,081	81,998	80,043	72,686	69,431
Sociology	37,667	40,523	36,741	34,987	32,349	34,773	38,302	40,268
Social sciences, nec	48,389	47,465	51,519	54,791	51,146	51,675	50,258	57,849
Sciences, nec	93,279	119,192	100,230	112,284	103,074	90,560	78,632	86,043
Engineering	314,764	358,565	366,469	390,038	382,673	445,159	456,507	471,967
Aeronautical/astronautical engineering	11,878	15,379	14,774	19,960	17,823	14,181	20,462	20,856
Bioengineering/biomedical engineering	17,751	20,738	26,561	30,588	39,665	53,095	52,716	61,650
Chemical engineering	37,544	40,863	35,187	38,074	35,985	36,399	44,782	41,966
Civil engineering	35,309	41,243	40,262	44,063	42,524	43,733	46,075	41,306
Electrical engineering	84,317	84,718	89,278	81,150	76,478	87,785	93,886	91,042
Mechanical engineering	48,339	56,852	56,921	62,809	55,756	62,828	64,778	73,432
Metallurgical/materials engineering	28,747	35,080	32,898	38,320	40,099	50,117	51,313	48,602
Engineering, nec	50,879	63,692	70,588	75,074	74,343	97,021	82,495	93,113

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 13. R&D expenditures at historically black colleges and universities, by source of funds and science and engineering field: FY 2000–07
(Dollars in thousands)

Source and field	2000	2001	2002	2003	2004	2005	2006	2007
All R&D expenditures	264,440	317,592	365,963	397,012	422,015	438,861	441,864	420,898
Source of funds								
Federal government	228,615	272,498	312,296	343,271	360,245	376,271	370,661	353,838
State and local government	10,738	11,736	17,916	17,958	21,305	19,485	22,122	17,867
Industry	6,073	6,938	9,679	9,299	15,628	9,670	11,521	9,309
Institutional funds	13,826	19,762	21,458	21,236	19,166	26,266	29,419	28,559
All other sources	5,188	6,658	4,614	5,248	5,671	7,169	8,141	11,325
Field								
Science	235,117	284,210	333,467	365,179	383,715	363,743	395,587	377,588
Computer sciences	14,554	19,968	13,381	12,625	11,280	12,177	9,550	12,309
Environmental sciences	11,218	13,336	11,898	23,741	37,890	16,948	34,983	29,569
Atmospheric sciences	4,031	1,718	3,110	10,495	24,431	580	17,248	15,922
Earth sciences	2,850	5,998	5,405	5,554	4,483	5,945	5,986	5,230
Oceanography	939	1,528	2,049	3,846	1,389	1,228	1,479	1,132
Environmental sciences, nec	3,398	4,092	1,334	3,846	7,587	9,195	10,270	7,285
Life sciences	139,775	167,393	205,012	236,762	244,813	242,052	245,792	242,341
Agricultural sciences	51,993	62,815	79,268	96,463	74,518	79,370	85,265	86,319
Biological sciences	48,761	63,524	74,936	79,705	85,089	87,989	88,287	84,082
Medical sciences	30,595	34,975	45,804	45,705	67,888	62,606	62,196	59,308
Life sciences, nec	8,426	6,079	5,004	14,889	17,318	12,087	10,044	12,632
Mathematical sciences	5,667	6,377	7,604	11,433	6,858	8,863	7,150	5,318
Physical sciences	40,714	44,715	46,995	45,704	43,349	44,229	51,520	45,884
Astronomy	4,304	2,399	2,149	2,793	2,174	1,718	1,845	2,054
Chemistry	14,157	14,510	16,106	17,207	17,659	17,435	19,637	18,680
Physics	22,191	26,759	25,072	23,960	22,211	24,170	28,882	23,452
Physical sciences, nec	62	1,047	3,668	1,744	1,305	906	1,156	1,698
Psychology	1,688	4,839	5,662	4,916	5,102	3,758	2,802	1,158
Social sciences	11,135	13,369	11,679	12,204	13,150	16,278	18,926	19,685
Economics	1,431	2,132	2,074	2,144	1,951	1,481	2,016	1,538
Political sciences	749	573	417	503	316	245	130	1,015
Sociology	4,253	4,128	4,191	3,878	3,640	4,826	7,033	6,404
Social sciences, nec	4,702	6,536	4,997	5,679	7,243	9,726	9,747	10,728
Sciences, nec	10,366	14,213	31,236	17,794	21,273	19,438	24,864	21,324
Engineering	29,323	33,382	32,496	31,833	38,300	75,118	46,277	43,310
Aeronautical/astronautical engineering	3,607	3,623	2,454	3,089	4,353	37,034	1,754	928
Bioengineering/biomedical engineering	882	918	144	110	144	80	81	122
Chemical engineering	2,965	3,292	2,824	2,896	2,883	5,783	6,880	6,270
Civil engineering	3,228	3,956	4,993	4,413	3,739	5,335	6,879	6,445
Electrical engineering	6,067	7,625	9,192	8,272	8,419	8,785	8,482	9,117
Mechanical engineering	6,705	7,264	6,843	6,010	8,738	6,529	5,855	6,291
Metallurgical/materials engineering	167	0	25	0	0	79	242	116
Engineering, nec	5,702	6,704	6,021	7,043	10,024	11,493	16,104	14,021

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 14. Federally financed R&D expenditures at historically black colleges and universities, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All federal R&D expenditures	228,615	272,498	312,296	343,271	360,245	376,271	370,661	353,838
Science	203,203	244,011	284,260	317,276	327,800	306,537	330,616	314,739
Computer sciences	12,795	18,590	12,145	12,078	10,825	11,026	8,010	11,344
Environmental sciences	9,310	10,826	9,532	21,130	36,823	15,412	32,991	27,258
Atmospheric sciences	3,991	1,541	2,872	10,357	24,335	395	17,052	15,825
Earth sciences	1,798	3,909	3,844	3,753	4,067	5,103	4,955	3,878
Oceanography	823	1,381	1,875	3,611	1,389	1,226	1,477	1,086
Environmental sciences, nec	2,698	3,995	941	3,409	7,032	8,688	9,507	6,469
Life sciences	122,299	145,378	179,741	207,991	205,825	202,689	202,822	201,252
Agricultural sciences	43,682	48,884	64,176	80,533	55,076	55,499	58,325	61,699
Biological sciences	45,332	59,798	72,532	75,554	80,962	83,129	82,411	78,279
Medical sciences	26,841	31,590	39,655	42,315	55,505	54,277	52,459	51,189
Life sciences, nec	6,444	5,106	3,378	9,589	14,282	9,784	9,627	10,085
Mathematical sciences	4,364	4,220	4,991	7,572	6,494	8,115	6,545	4,760
Physical sciences	36,454	40,416	41,538	40,640	38,744	38,506	45,654	39,006
Astronomy	3,873	1,938	1,683	2,145	1,683	1,145	1,230	1,539
Chemistry	12,990	13,522	14,262	16,036	16,803	16,388	17,989	15,897
Physics	19,585	24,047	22,098	21,132	19,096	20,175	25,297	20,174
Physical sciences, nec	6	909	3,495	1,327	1,162	798	1,138	1,396
Psychology	1,324	4,526	5,376	4,700	4,946	3,570	2,537	981
Social sciences	8,239	10,156	8,935	8,850	10,966	14,240	16,911	17,927
Economics	1,118	1,926	1,693	1,832	1,646	1,365	1,951	1,492
Political sciences	540	463	261	414	249	245	127	873
Sociology	3,374	3,521	3,406	3,070	3,081	4,169	6,759	6,063
Social sciences, nec	3,207	4,246	3,575	3,534	5,990	8,461	8,074	9,499
Sciences, nec	8,418	9,899	22,002	14,315	13,177	12,979	15,146	12,211
Engineering	25,412	28,487	28,036	25,995	32,445	69,734	40,045	39,099
Aeronautical/astronautical engineering	3,530	3,549	2,233	2,834	3,649	36,844	1,726	830
Bioengineering/biomedical engineering	567	469	136	110	144	80	71	109
Chemical engineering	2,752	3,090	2,452	2,505	2,547	5,410	6,322	5,543
Civil engineering	2,246	2,679	4,037	3,613	2,681	4,170	5,221	5,600
Electrical engineering	5,290	6,817	8,152	6,877	7,278	7,767	7,470	8,035
Mechanical engineering	6,189	6,679	5,808	4,650	7,329	5,329	4,650	5,803
Metallurgical/materials engineering	162	0	25	0	0	79	212	116
Engineering, nec	4,676	5,204	5,193	5,406	8,817	10,055	14,373	13,063

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 15. Nonfederally financed R&D expenditures at historically black colleges and universities, by science and engineering field: FY 2000–07
(Dollars in thousands)

Field	2000	2001	2002	2003	2004	2005	2006	2007
All nonfederal R&D expenditures	35,825	45,094	53,667	53,741	61,770	62,590	71,203	67,060
Science	31,914	40,199	49,207	47,903	55,915	57,206	64,971	62,849
Computer sciences	1,759	1,378	1,236	547	455	1,151	1,540	965
Environmental sciences	1,908	2,510	2,366	2,611	1,067	1,536	1,992	2,311
Atmospheric sciences	40	177	238	138	96	185	196	97
Earth sciences	1,052	2,089	1,561	1,801	416	842	1,031	1,352
Oceanography	116	147	174	235	0	2	2	46
Environmental sciences, nec	700	97	393	437	555	507	763	816
Life sciences	17,476	22,015	25,271	28,771	38,988	39,363	42,970	41,089
Agricultural sciences	8,311	13,931	15,092	15,930	19,442	23,871	26,940	24,620
Biological sciences	3,429	3,726	2,404	4,151	4,127	4,860	5,876	5,803
Medical sciences	3,754	3,385	6,149	3,390	12,383	8,329	9,737	8,119
Life sciences, nec	1,982	973	1,626	5,300	3,036	2,303	417	2,547
Mathematical sciences	1,303	2,157	2,613	3,861	364	748	605	558
Physical sciences	4,260	4,299	5,457	5,064	4,605	5,723	5,866	6,878
Astronomy	431	461	466	648	491	573	615	515
Chemistry	1,167	988	1,844	1,171	856	1,047	1,648	2,783
Physics	2,606	2,712	2,974	2,828	3,115	3,995	3,585	3,278
Physical sciences, nec	56	138	173	417	143	108	18	302
Psychology	364	313	286	216	156	188	265	177
Social sciences	2,896	3,213	2,744	3,354	2,184	2,038	2,015	1,758
Economics	313	206	381	312	305	116	65	46
Political sciences	209	110	156	89	67	0	3	142
Sociology	879	607	785	808	559	657	274	341
Social sciences, nec	1,495	2,290	1,422	2,145	1,253	1,265	1,673	1,229
Sciences, nec	1,948	4,314	9,234	3,479	8,096	6,459	9,718	9,113
Engineering	3,911	4,895	4,460	5,838	5,855	5,384	6,232	4,211
Aeronautical/astronautical engineering	77	74	221	255	704	190	28	98
Bioengineering/biomedical engineering	315	449	8	0	0	0	10	13
Chemical engineering	213	202	372	391	336	373	558	727
Civil engineering	982	1,277	956	800	1,058	1,165	1,658	845
Electrical engineering	777	808	1,040	1,395	1,141	1,018	1,012	1,082
Mechanical engineering	516	585	1,035	1,360	1,409	1,200	1,205	488
Metallurgical/materials engineering	5	0	0	0	0	0	30	0
Engineering, nec	1,026	1,500	828	1,637	1,207	1,438	1,731	958

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 16. Total and federally financed R&D expenditures at historically black colleges and universities, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	422,015	438,861	441,864	420,898	360,245	376,271	370,661	353,838
1	Howard U.	41,404	41,609	36,465	38,020	40,086	40,020	34,959	33,996
2	Jackson State U.	31,641	35,876	38,273	36,888	28,806	30,472	30,783	30,980
3	Meharry Medical C.	27,507	29,105	32,878	33,218	26,159	27,408	30,914	31,263
4	Morehouse School of Medicine	33,317	30,652	28,378	27,886	23,331	24,213	25,156	23,230
5	NC Agricultural and Technical State U.	19,534	22,936	23,698	24,044	13,487	16,348	15,885	15,362
6	Hampton U.	31,645	42,969	28,705	24,017	31,443	42,792	28,584	23,836
7	U. of the VI	17,874	16,735	17,495	17,842	11,598	12,213	12,518	12,561
8	FL A&M U.	31,408	26,400	34,293	16,541	24,994	22,378	24,902	14,502
9	Tuskegee U.	11,519	10,966	11,651	14,329	8,904	8,478	8,971	11,033
10	AL A&M U.	17,429	16,075	14,431	13,672	12,023	12,005	7,537	8,467
11	TN State U.	15,255	14,669	14,096	12,475	11,277	10,446	10,216	8,475
12	Prairie View A&M U.	10,989	11,810	11,444	12,019	7,965	8,464	9,067	9,217
13	Morgan State U.	8,580	9,544	13,523	11,257	7,227	8,126	12,199	9,992
14	Alcorn State U.	7,622	6,256	6,593	9,056	7,622	5,396	5,706	7,874
15	Clark Atlanta U.	13,576	12,790	11,155	8,543	13,075	11,346	10,008	7,905
16	VA State U.	5,953	5,048	8,189	8,170	5,655	2,668	5,813	7,604
17	DE State U.	4,678 i	5,412	7,016	7,418	4,342 i	5,048	6,506	6,487
18	Norfolk State U.	6,200	6,758	5,144	6,491	6,054	6,055	4,621	5,998
19	Fisk U.	5,000	6,000	6,000	6,000	5,000	6,000	6,000	6,000
20	U. AR Pine Bluff	6,246	6,685	6,774	5,831	3,455	3,933	3,777	3,091
21	Southern U. and A&M C. all campuses	4,317	4,333 i	4,350	5,590	3,581	3,539 i	3,496	4,375
22	Lincoln U. (Jefferson City, MO)	2,181	2,656	5,395	5,573	1,552	2,093	4,367	4,169
23	Morehouse C.	3,417 i	3,559	6,008	5,445	2,923 i	3,196	5,378	4,743
24	U. DC	4,693	4,426	5,065	5,165	3,492	2,958	3,813	4,002
25	Langston U.	3,578	4,371	4,416	4,405	3,578	3,848	3,661	3,582
26	Xavier U. LA	5,585	4,784 i	3,982	4,394	5,226	4,505 i	3,783	4,268
27	NC Central U.	4,945 i	5,769 i	6,597	4,337	4,932 i	5,763 i	6,597	4,337
28	SC State U.	3,548	3,796	3,796	3,796	2,418	2,587	2,587	2,587
29	Spelman C.	2,481	2,759	3,084	3,741	2,419	2,576	2,901	3,361
30	TX Southern U.	4,088	4,641	4,299	3,688	3,749	4,426	4,225	3,651
31	KY State U.	3,298	3,044	3,340	3,548	3,298	3,044	3,254	3,451
32	U. MD Eastern Shore	5,272	5,568	4,454	3,408	5,041	5,432	4,367	3,288
33	Dillard U.	679	1,401 i	2,123 i	2,846	351	887 i	1,423 i	1,959
34	WV State U.	1,433	2,537	2,467	2,765	1,403	2,128	1,867	1,795
35	Ft. Valley State U.	2,596	2,497	2,570	2,610	2,558	2,492	2,570	2,610
36	Central State U.	1,372 i	1,579	2,320	2,320	1,319 i	1,579	2,263	2,263
37	Savannah State U.	2,094	2,421	2,342	2,301	2,094	2,421	2,342	2,257
38	Winston-Salem State U.	2,073 e	2,176 i	1,864 i	2,086 i	2,073 e	2,176 i	1,864 i	2,086 i
39	Bowie State U.	1,883	2,033	1,951	1,960	1,883	2,033	1,951	1,960
40	AL State U.	1,688	1,900	1,900	1,900	1,683	1,685	1,685	1,685
41	Elizabeth City State U.	1,044	929	703	1,892	1,032	888	590	1,792
42	Shaw U.	1,270	1,864	1,815	1,826	1,033	1,727	1,800	1,826
43	Fayetteville State U.	166	821	632	1,743	161	711	554	1,527
44	Tougaloo C.	680 i	571 i	461	1,675	422 i	427 i	434	1,007
45	Benedict C.	1,035	1,494	1,314	1,604	1,020	1,399	1,201	1,573
46	Wilberforce U.	411 i	742 i	1,073 i	1,405	400 i	720 i	1,040 i	1,360
47	Albany State U.	2,619	2,091	1,455	1,331	2,547	2,010	1,119	952
48	Claffin U.	255	222	930	929 i	255	222	930	864 i
49	MS Valley State U.	493	606	794	844	493	606	794	844
50	Lincoln U. (Lincoln University, PA)	526	526	606	450	526	526	606	450

TABLE 16. Total and federally financed R&D expenditures at historically black colleges and universities, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
51	Grambling State U.	1,934	1,784	567	428	1,522	1,461	566	428
52	Bluefield State C.	156	359	356	401	156	359	356	396
53	Cheyney U. PA	228 i	247 i	278	274	228 i	247 i	278	166
54	Miles C.	ne	ne	ne	197	ne	ne	ne	197
55	Southern U. New Orleans	556	592	592	154	556	592	592	154
56	Edward Waters C.	ne	ne	ne	150 i	ne	ne	ne	0 i
	All other surveyed HBCUs	2,044	1,468	1,764	0	1,818	1,199	1,285	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

HBCUs = historically black colleges and universities.

NOTE: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 17. Total and federally financed R&D expenditures at high Hispanic enrollment institutions, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	714,580	799,233	856,180	888,389	490,615	554,534	567,976	576,919
1	U. NM main campus	170,085	178,703	181,223	177,430	112,299	129,557	127,907	123,039
2	U. TX Health Science Ctr. San Antonio	137,039	142,375	150,040	160,282	89,662	95,125	95,110	95,610
3	NM State U. main campus	93,329	125,427	164,994	148,120	76,396	91,247	101,849	100,773
4	FL International U.	63,545	76,678	63,567	90,903	47,913	51,328	45,894	52,141
5	U. TX El Paso	25,440	26,825	32,161	39,965	16,900	15,378	19,331	21,018
6	U. PR Medical Sciences Campus	34,092	35,809	38,424	38,863	28,063	29,863	31,199	31,955
7	CUNY The City C.	25,947	28,992	30,316	32,840	19,711	22,289	21,408	21,776
8	U. TX San Antonio	15,738	22,429	30,259	30,542	11,644	15,924	20,277	20,545
9	U. PR Rio Piedras Campus	12,417	20,546	21,609	21,379	8,093	14,301	16,881	16,114
10	U. PR Mayaguez Campus	16,686	20,492	21,080	19,813	7,539	10,786	10,645	11,164
11	TX A&M U. Kingsville	11,102	13,389	13,343	13,794	3,832	4,972	4,625	5,067
12	CA State U. Northridge	10,305	8,767	7,490	12,412	6,521	5,719	5,200	7,339
13	TX A&M U. Corpus Christi	12,266	8,845	12,654	11,933	5,685	4,572	7,798	6,609
14	CA State U. Los Angeles	8,728	10,130	8,956	10,053	8,094	9,797	8,672	9,819
15	Universidad Central del Caribe	9,797	9,181	8,790	9,446	8,498	8,543	8,206	8,672
16	CA State U. San Bernardino	8,755	8,905	11,120	8,323	5,127	5,775	5,367	3,553
17	CA State U. Monterey Bay	3,002	4,045	4,107	7,032	2,548	3,821	3,779	3,832
18	Nova Southeastern U.	5,139	5,789	6,445	6,697	1,884	1,719	3,204	3,470
19	CA State U. Dominguez Hills	5,320	3,088	3,190	6,016	4,179	2,051	2,530	4,580
20	CA State U. Fresno	15,211	13,498	9,749	5,297	3,750	4,870	1,561	2,477
21	U. PR Humacao	3,382	3,540	4,429	5,220	3,201	3,325	4,080	4,930
22	U. TX-Pan American	3,747	4,038	5,006	5,217	2,578	2,999	3,139	3,457
23	CUNY Herbert H. Lehman C.	3,291	4,019	4,476	4,852	2,936	3,711	3,733	3,980
24	CA State U. Fullerton	4,432	4,167	4,522	4,311	3,979	3,570	4,083	3,792
25	Sul Ross State U.	1,058	2,375	2,676	3,056	261	1,506	1,586	1,632
26	CA State Polytechnic U. Pomona	4,059	2,765	2,502	2,466	4,059	2,765	2,502	2,466
27	CUNY John Jay C. of Criminal Justice	900	932	779	2,259	177	516	532	1,509
28	CA State U. Bakersfield	5,626 i	6,268	6,379	1,833	1,644 i	2,040	2,301	584
29	Polytechnic U. PR	ne	ne	ne	1,127	ne	ne	ne	285
30	NM Highlands U.	2,032	1,202	1,419	1,083	1,810	930	1,084	782
31	Northeastern IL U.	206	227	239	1,005	17	65	40	245
32	U. TX of the Permian Basin	ne	ne	ne	995	ne	ne	ne	147
33	St. Mary's U. (San Antonio, TX)	512	405	183	623	414	405	183	623
34	Mt. St. Mary's C. (Los Angeles, CA)	492	570	581	515	492	570	581	515
35	Carlos Albizu U. (San Juan, PR)	ne	ne	497	418	ne	ne	234	202
36	Universidad del Turabo	ne	150 i	864	417	ne	0 i	759	417
37	U. PR Cayey	ne	ne	ne	411	ne	ne	ne	411
38	Universidad del Este	ne	ne	432	407	ne	ne	363	407
39	Mercy C.	ne	339 i	618	401	ne	282 i	525	401
40	Universidad Metropolitana	ne	2,677 i	298	248	ne	2,677 i	298	248
41	Heritage U. (Toppenish, WA)	ne	266	254	210	ne	266	254	210
42	U. Houston-Downtown	627	329	509	175	449	317	256	123
	All other surveyed HHE institutions	273	1,051	0	0	260	953	0	0

i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

HHE = high Hispanic enrollment.

NOTES: HHE institutions are those whose full time equivalent undergraduate enrollment is at least 25% Hispanic, according to Fall 2005 enrollment data self-reported by institutions in the Integrated Postsecondary Education Data System survey, conducted by the National Center for Education Statistics. Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 18. R&D expenditures at high Hispanic enrollment institutions, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	888,389	47,826	458,550	30,449	83,020	29,873	31,305	43,701	163,665
1	U. NM main campus	177,430	5,411	104,285	4,836	15,551	8,782	6,973	14,574	17,018
2	U. TX Health Science Ctr. San Antonio	160,282	0	160,282	0	0	0	0	0	0
3	NM State U. main campus	148,120	780	37,046	2,378	15,265	3,495	2,698	4,753	81,705
4	FL International U.	90,903	5,032	25,765	5,913	6,537	1,943	6,313	18,904	20,496
5	U. TX El Paso	39,965	5,370	16,766	2,761	5,012	751	1,443	32	7,830
6	U. PR Medical Sciences Campus	38,863	0	38,863	0	0	0	0	0	0
7	CUNY The City C.	32,840	346	7,511	773	9,701	301	52	0	14,156
8	U. TX San Antonio	30,542	776	15,963	3,630	2,484	110	4,698	0	2,881
9	U. PR Rio Piedras Campus	21,379	2,510	2,810	366	11,436	1,138	2,666	116	337
10	U. PR Mayaguez Campus	19,813	5,199	601	481	3,560	0	210	0	9,762
11	TX A&M U. Kingsville	13,794	978	9,074	225	249	0	0	88	3,180
12	CA State U. Northridge	12,412	1,046	1,075	1,074	2,090	3,814	197	1,986	1,130
13	TX A&M U. Corpus Christi	11,933	5,996	3,544	1,485	297	0	62	396	153
14	CA State U. Los Angeles	10,053	740	4,456	232	2,820	171	152	0	1,482
15	Universidad Central del Caribe	9,446	0	9,446	0	0	0	0	0	0
16	CA State U. San Bernardino	8,323	230	528	546	548	4,454	215	1,467	335
17	CA State U. Monterey Bay	7,032	6,482	545	5	0	0	0	0	0
18	Nova Southeastern U.	6,697	4,120	1,796	0	0	691	0	90	0
19	CA State U. Dominguez Hills	6,016	5	806	4,070	330	107	698	0	0
20	CA State U. Fresno	5,297	52 i	4,572 i	5 i	230 i	377 i	40 i	0 i	21 i
21	U. PR Humacao	5,220	0	672	670	3,878	0	0	0	0
22	U. TX-Pan American	5,217	202	1,866	129	473	22	626	0	1,899
23	CUNY Herbert H. Lehman C.	4,852	132	1,914	464	215	1,944	43	140	0
24	CA State U. Fullerton	4,311	435	2,109	0	134	24	1,430	105	74
25	Sul Ross State U.	3,056	983	863	0	0	0	1,210	0	0
26	CA State Polytechnic U. Pomona	2,466	8	2,402	0	0	0	0	11	45
27	CUNY John Jay C. of Criminal Justice	2,259	0	5	49	42	1,159	943	61	0
28	CA State U. Bakersfield	1,833	358	563	203	610	0	99	0	0
29	Polytechnic U. PR	1,127	0	0	0	0	0	0	0	1,127
30	NM Highlands U.	1,083	106	328	0	649	0	0	0	0
31	Northeastern IL U.	1,005	19	30	56	160	146	405	189	0
32	U. TX of the Permian Basin	995	49	60	0	641	9	132	104	0
33	St. Mary's U. (San Antonio, TX)	623	0	40	0	0	0	0	549	34
34	Mt. St. Mary's C. (Los Angeles, CA)	515	0	454	0	61	0	0	0	0
35	Carlos Albizu U. (San Juan, PR)	418	0	0	0	0	418	0	0	0
36	Universidad del Turabo	417	417	0	0	0	0	0	0	0

TABLE 18. R&D expenditures at high Hispanic enrollment institutions, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
37	U. PR Cayey	411	0	253	0	20	2	0	136	0
38	Universidad del Este	407	1	406	0	0	0	0	0	0
39	Mercy C.	401	0	381	5	0	15	0	0	0
40	Universidad Metropolitana	248	43	179	0	26	0	0	0	0
41	Heritage U. (Toppenish, WA)	210	0	210	0	0	0	0	0	0
42	U. Houston-Downtown	175	0	81	93	1	0	0	0	0

i = imputed.

HHE = high Hispanic enrollment; nec = not elsewhere classified.

NOTES: HHE institutions are those whose full time equivalent (FTE) undergraduate enrollment is at least 25% Hispanic, according to Fall 2005 enrollment data self-reported by institutions in the Integrated Postsecondary Education Data System (IPEDS) survey, conducted by the National Center for Education Statistics (NCES). Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 19. R&D expenditures at universities and colleges, by geographic division, state, and source of funds: FY 2007
(Dollars in thousands)

Division and state	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
United States	49,430,767	30,440,745	3,145,376	2,672,333	9,655,290	3,517,023
New England	3,652,809	2,671,077	55,294	203,120	435,818	287,500
Connecticut	691,408	483,536	13,438	23,237	90,980	80,217
Maine	137,425	65,609	7,531	3,081	54,351	6,853
Massachusetts	2,171,596	1,672,238	17,130	152,029	152,250	177,949
New Hampshire	307,074	209,191	8,716	12,138	59,419	17,610
Rhode Island	230,281	148,857	8,094	6,584	62,576	4,170
Vermont	115,025	91,646	385	6,051	16,242	701
Middle Atlantic	7,267,578	4,589,695	433,502	402,032	1,321,646	520,703
New Jersey	864,443	453,313	56,268	35,163	237,086	82,613
New York	3,964,823	2,445,828	257,080	183,746	779,035	299,134
Pennsylvania	2,438,312	1,690,554	120,154	183,123	305,525	138,956
East North Central	7,052,612	4,093,099	410,846	415,375	1,671,830	461,462
Illinois	1,867,003	1,112,792	71,144	66,017	496,790	120,260
Indiana	801,930	392,653	56,896	76,706	206,765	68,910
Michigan	1,509,953	915,549	65,090	68,647	382,926	77,741
Ohio	1,807,038	1,061,089	178,154	172,659	295,365	99,771
Wisconsin	1,066,688	611,016	39,562	31,346	289,984	94,780
West North Central	3,156,965	1,772,648	255,976	119,099	765,361	243,881
Iowa	586,786	322,204	57,321	27,774	150,024	29,463
Kansas	375,960	182,668	45,616	8,144	122,712	16,820
Minnesota	636,920	344,093	57,742	30,557	108,734	95,794
Missouri	941,445	632,804	35,579	18,286	197,755	57,021
Nebraska	364,842	150,054	10,304	23,965	150,939	29,580
North Dakota	169,468	90,309	35,409	8,342	30,289	5,119
South Dakota	81,544	50,516	14,005	2,031	4,908	10,084
South Atlantic	9,523,659	5,895,726	627,071	579,455	1,935,723	485,684
Delaware	125,663	89,026	5,717	4,527	22,402	3,991
District of Columbia	327,232	248,059	5,173	10,253	28,834	34,913
Florida	1,545,825	819,066	165,511	98,129	388,898	74,221
Georgia	1,388,976	759,085	69,975	64,814	412,192	82,910
Maryland	2,542,336	1,901,086	54,154	72,541	358,245	156,310
North Carolina	1,885,499	1,152,048	145,920	255,749	273,284	58,498
South Carolina	569,015	254,995	45,462	27,525	218,077	22,956
Virginia	971,905	579,775	127,766	40,365	174,143	49,856
West Virginia	167,208	92,586	7,393	5,552	59,648	2,029
East South Central	2,330,563	1,467,759	154,424	75,402	512,089	120,889
Alabama	655,245	438,448	12,510	26,281	151,853	26,153
Kentucky	503,293	246,121	56,468	13,072	139,939	47,693
Mississippi	410,637	268,126	32,198	11,662	92,189	6,462
Tennessee	761,388	515,064	53,248	24,387	128,108	40,581
West South Central	4,552,010	2,360,693	635,870	256,438	839,710	459,299
Arkansas	240,406	109,351	53,492	16,547	41,955	19,061
Louisiana	597,522	272,932	106,731	17,086	138,193	62,580
Oklahoma	298,663	136,087	44,663	19,693	83,636	14,584
Texas	3,415,419	1,842,323	430,984	203,112	575,926	363,074
Mountain	3,040,291	2,014,852	167,963	132,333	615,760	109,383
Arizona	782,671	396,982	37,000	46,300	260,453	41,936
Colorado	872,576	694,573	19,397	40,410	84,955	33,241
Idaho	114,224	67,979	25,497	4,641	13,721	2,386
Montana	179,137	114,759	23,348	6,417	32,230	2,383

TABLE 19. R&D expenditures at universities and colleges, by geographic division, state, and source of funds: FY 2007
(Dollars in thousands)

Division and state	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Nevada	189,096	139,593	9,141	2,492	34,290	3,580
New Mexico	410,375	293,644	21,896	11,328	78,412	5,095
Utah	412,512	281,785	25,553	18,419	68,860	17,895
Wyoming	79,700	25,537	6,131	2,326	42,839	2,867
Pacific	8,722,527	5,474,369	395,141	482,456	1,545,163	825,398
Alaska	159,991	105,496	1,819	9,484	41,479	1,713
California	6,732,672	4,038,269	285,003	356,655	1,293,438	759,307
Hawaii	274,373	215,806	15,534	22,080	16,352	4,601
Oregon	574,521	408,533	45,754	22,554	68,302	29,378
Washington	980,970	706,265	47,031	71,683	125,592	30,399
Outlying areas ^a	131,753	100,827	9,289	6,623	12,190	2,824

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 20. R&D expenditures at universities and colleges, by geographic division, state, and science and engineering field: FY 2007

(Dollars in thousands)

Division and state	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
United States	49,430,767	2,725,120	29,763,889	1,988,431	3,842,391	863,358	1,781,410	949,278	7,516,890
New England	3,652,809	331,406	2,037,513	141,405	312,066	76,107	134,814	99,601	519,897
Connecticut	691,408	13,404	563,875	8,778	34,067	23,661	10,058	5,148	32,417
Maine	137,425	23,420	56,453	3,927	5,001	1,703	21,425	7,726	17,770
Massachusetts	2,171,596	202,704	1,048,906	100,564	245,466	41,937	84,961	48,946	398,112
New Hampshire	307,074	56,779	163,648	6,988	10,930	4,346	6,676	15,495	42,212
Rhode Island	230,281	34,267	105,889	19,722	15,309	2,422	11,385	14,624	26,663
Vermont	115,025	832	98,742	1,426	1,293	2,038	309	7,662	2,723
Middle Atlantic	7,267,578	226,521	4,472,052	364,777	560,684	174,794	235,856	101,568	1,131,326
New Jersey	864,443	52,456	437,796	47,977	91,269	23,235	45,971	16,298	149,441
New York	3,964,823	112,046	2,570,809	127,523	329,942	95,897	112,649	50,524	565,433
Pennsylvania	2,438,312	62,019	1,463,447	189,277	139,473	55,662	77,236	34,746	416,452
East North Central	7,052,612	203,385	4,316,290	279,967	539,943	108,549	360,929	100,916	1,142,633
Illinois	1,867,003	54,310	1,164,804	129,565	160,067	38,019	51,915	31,631	236,692
Indiana	801,930	9,980	407,211	34,335	83,203	19,937	49,409	21,437	176,418
Michigan	1,509,953	29,009	898,874	33,131	126,810	21,633	134,146	6,389	259,961
Ohio	1,807,038	19,297	1,128,353	59,933	102,120	17,772	77,641	38,229	363,693
Wisconsin	1,066,688	90,789	717,048	23,003	67,743	11,188	47,818	3,230	105,869
West North Central	3,156,965	72,235	2,240,613	73,480	155,699	56,969	126,908	40,235	390,826
Iowa	586,786	9,229	398,787	16,688	32,788	9,074	25,642	5,401	89,177
Kansas	375,960	14,734	233,676	4,584	19,764	4,171	16,280	7,395	75,356
Minnesota	636,920	15,105	460,976	25,610	27,184	13,943	29,753	128	64,221
Missouri	941,445	12,110	769,568	12,288	39,321	14,256	24,677	696	68,529
Nebraska	364,842	5,081	247,926	13,123	15,814	12,753	15,582	19,778	34,785
North Dakota	169,468	11,353	76,112	832	16,381	2,510	12,706	6,553	43,021
South Dakota	81,544	4,623	53,568	355	4,447	262	2,268	284	15,737
South Atlantic	9,523,659	519,191	5,380,652	433,083	660,473	150,760	404,558	148,201	1,826,741
Delaware	125,663	12,688	33,415	4,250	16,767	3,381	6,490	5,491	43,181
District of Columbia	327,232	154	202,355	53,732	27,272	7,000	17,862	1,954	16,903
Florida	1,545,825	144,880	836,823	34,061	149,288	47,733	54,959	45,952	232,129
Georgia	1,388,976	31,656	740,963	74,317	83,302	28,148	76,877	7,744	345,969
Maryland	2,542,336	139,937	1,241,771	156,054	205,914	19,230	95,174	41,732	642,524
North Carolina	1,885,499	66,522	1,438,701	56,863	76,204	13,086	81,123	4,022	148,978
South Carolina	569,015	37,370	287,097	12,190	33,514	12,583	23,275	25,430	137,556
Virginia	971,905	78,727	496,587	40,449	62,630	18,843	45,890	10,538	218,241
West Virginia	167,208	7,257	102,940	1,167	5,582	756	2,908	5,338	41,260

TABLE 20. R&D expenditures at universities and colleges, by geographic division, state, and science and engineering field: FY 2007

(Dollars in thousands)

Division and state	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
East South Central	2,330,563	69,221	1,550,113	66,207	137,238	46,663	56,798	67,316	337,007
Alabama	655,245	19,141	452,398	22,421	26,917	7,027	13,790	14,277	99,274
Kentucky	503,293	4,879	369,408	10,963	21,972	13,639	9,680	8,956	63,796
Mississippi	410,637	35,372	211,085	16,740	43,780	5,321	8,620	22,677	67,042
Tennessee	761,388	9,829	517,222	16,083	44,569	20,676	24,708	21,406	106,895
West South Central	4,552,010	274,052	3,002,650	175,340	281,143	69,244	108,189	55,159	586,233
Arkansas	240,406	3,685	180,437	3,514	19,110	1,394	8,170	453	23,643
Louisiana	597,522	37,541	405,308	20,497	33,866	5,368	16,622	18,111	60,209
Oklahoma	298,663	35,205	169,200	5,790	19,710	3,916	12,862	6,216	45,764
Texas	3,415,419	197,621	2,247,705	145,539	208,457	58,566	70,535	30,379	456,617
Mountain	3,040,291	336,819	1,385,883	80,653	394,693	58,813	83,731	121,230	578,469
Arizona	782,671	31,467	346,791	25,104	170,229	16,979	41,273	5,806	145,022
Colorado	872,576	187,262	415,996	16,949	89,022	20,808	12,075	34,008	96,456
Idaho	114,224	7,466	63,352	2,366	10,616	32	4,729	4,365	21,298
Montana	179,137	6,236	108,740	2,238	19,731	518	4,908	18,057	18,709
Nevada	189,096	68,008	52,794	2,868	20,442	1,314	1,826	12,382	29,462
New Mexico	410,375	6,537	141,949	7,963	52,947	12,366	9,671	25,709	153,233
Utah	412,512	18,432	217,350	21,891	25,999	6,003	6,836	12,030	103,971
Wyoming	79,700	11,411	38,911	1,274	5,707	793	2,413	8,873	10,318
Pacific	8,722,527	683,195	5,303,397	372,002	781,532	119,901	260,449	209,519	992,532
Alaska	159,991	81,215	36,708	6,176	166	327	2,789	12,752	19,858
California	6,732,672	390,044	4,134,680	289,978	667,796	96,636	192,200	134,413	826,925
Hawaii	274,373	67,828	95,274	34,181	40,402	997	6,391	20,040	9,260
Oregon	574,521	45,296	389,548	32,979	20,424	9,475	16,674	27,916	32,209
Washington	980,970	98,812	647,187	8,688	52,744	12,466	42,395	14,398	104,280
Outlying areas ^a	131,753	9,095	74,726	1,517	18,920	1,558	9,178	5,533	11,226

nec = not elsewhere classified.

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 21. R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	36,405,220	40,100,324	43,257,731	45,792,673	47,742,832	49,430,767
New England	2,784,035	3,046,288	3,333,767	3,450,621	3,603,898	3,652,809
Connecticut	538,488	594,507	649,245	669,923	691,998	691,408
Maine	75,063	83,935	99,108	96,569	120,038	137,425
Massachusetts	1,697,182	1,821,924	2,000,120	2,079,548	2,122,756	2,171,596
New Hampshire	220,061	252,210	277,201	287,472	315,394	307,074
Rhode Island	163,052	187,131	192,326	199,709	230,104	230,281
Vermont	90,189	106,581	115,767	117,400	123,608	115,025
Middle Atlantic	5,369,813	5,847,360	6,365,178	6,844,021	7,094,655	7,267,578
New Jersey	690,642	754,426	805,135	865,641	858,413	864,443
New York	2,765,484	3,078,092	3,351,943	3,610,543	3,804,839	3,964,823
Pennsylvania	1,913,687	2,014,842	2,208,100	2,367,837	2,431,403	2,438,312
East North Central	5,248,420	5,876,302	6,228,006	6,518,205	6,797,784	7,052,612
Illinois	1,441,156	1,614,270	1,713,282	1,771,107	1,824,223	1,867,003
Indiana	650,718	725,752	840,957	759,419	823,286	801,930
Michigan	1,233,887	1,390,083	1,397,435	1,456,218	1,473,199	1,509,953
Ohio	1,116,116	1,268,397	1,319,680	1,531,614	1,637,546	1,807,038
Wisconsin	806,543	877,800	956,652	999,847	1,039,530	1,066,688
West North Central	2,407,010	2,617,899	2,776,859	2,925,478	3,024,145	3,156,965
Iowa	485,756	498,669	531,770	548,301	572,623	586,786
Kansas	299,806	310,111	332,547	348,751	354,376	375,960
Minnesota	504,398	517,912	535,469	558,259	605,201	636,920
Missouri	705,593	807,075	841,779	893,013	900,202	941,445
Nebraska	266,930	300,540	325,001	360,148	358,858	364,842
North Dakota	106,078	133,615	151,710	149,994	160,095	169,468
South Dakota	38,449	49,977	58,583	67,012	72,790	81,544
South Atlantic	6,880,847	7,542,057	8,101,813	8,698,893	9,104,659	9,523,659
Delaware	88,319	104,650	114,663	115,751	122,001	125,663
District of Columbia	260,819	280,874	303,049	302,921	296,155	327,232
Florida	1,085,764	1,204,592	1,306,810	1,448,634	1,522,099	1,545,825
Georgia	1,076,706	1,176,523	1,222,150	1,274,410	1,302,570	1,388,976
Maryland	1,895,382	2,040,747	2,268,304	2,356,905	2,529,998	2,542,336
North Carolina	1,279,377	1,397,859	1,446,874	1,655,844	1,710,496	1,885,499
South Carolina	399,982	435,328	455,964	487,776	524,034	569,015
Virginia	693,668	776,067	849,038	910,163	946,886	971,905
West Virginia	100,830	125,417	134,961	146,489	150,420	167,208
East South Central	1,618,364	1,852,631	2,002,102	2,121,281	2,193,229	2,330,563
Alabama	503,470	550,756	572,279	589,860	601,881	655,245
Kentucky	334,208	377,635	424,013	452,265	479,282	503,293
Mississippi	289,412	324,236	347,563	353,078	369,143	410,637
Tennessee	491,274	600,004	658,247	726,078	742,923	761,388
West South Central	3,434,897	3,758,178	3,904,480	4,154,415	4,352,399	4,552,010
Arkansas	140,813	183,908	182,958	209,518	237,233	240,406
Louisiana	476,785	514,403	559,372	579,476	546,263	597,522
Oklahoma	282,062	295,098	283,021	291,697	298,175	298,663
Texas	2,535,237	2,764,769	2,879,129	3,073,724	3,270,728	3,415,419
Mountain	2,212,687	2,465,462	2,628,870	2,859,577	2,988,198	3,040,291
Arizona	531,106	617,978	650,961	720,184	765,434	782,671
Colorado	645,291	694,862	771,359	825,048	820,565	872,576
Idaho	93,323	105,039	116,757	119,871	111,465	114,224
Montana	122,375	141,220	154,726	170,791	172,622	179,137

TABLE 21. R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Nevada	126,713	154,515	163,764	178,492	194,459	189,096
New Mexico	292,691	306,636	303,922	361,466	421,428	410,375
Utah	359,556	385,158	407,327	400,276	412,811	412,512
Wyoming	41,632	60,054	60,054	83,449	89,414	79,700
Pacific	6,360,309	6,992,986	7,802,810	8,094,681	8,454,689	8,722,527
Alaska	128,875	142,413	146,465	153,721	163,034	159,991
California	4,887,918	5,357,900	6,012,871	6,262,927	6,488,650	6,732,672
Hawaii	172,664	184,602	241,346	240,247	257,478	274,373
Oregon	386,666	436,958	504,802	536,228	557,405	574,521
Washington	784,186	871,113	897,326	901,558	988,122	980,970
Outlying areas ^a	88,838	101,161	113,846	125,501	129,176	131,753

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 22. Federally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	21,873,227	24,770,506	27,643,985	29,203,273	30,123,700	30,440,745
New England	1,978,296	2,206,171	2,500,253	2,567,071	2,678,604	2,671,077
Connecticut	375,470	418,656	468,179	477,950	482,771	483,536
Maine	29,642	37,019	46,531	41,788	57,998	65,609
Massachusetts	1,261,829	1,379,457	1,580,959	1,631,033	1,681,815	1,672,238
New Hampshire	138,084	165,497	191,026	200,982	226,846	209,191
Rhode Island	113,841	133,560	133,282	134,067	145,172	148,857
Vermont	59,430	71,982	80,276	81,251	84,002	91,646
Middle Atlantic	3,442,750	3,830,104	4,254,497	4,545,940	4,630,679	4,589,695
New Jersey	316,912	369,993	420,018	463,377	454,342	453,313
New York	1,781,055	2,013,976	2,236,961	2,408,140	2,468,645	2,445,828
Pennsylvania	1,344,783	1,446,135	1,597,518	1,674,423	1,707,692	1,690,554
East North Central	2,901,538	3,332,705	3,665,048	3,888,082	4,041,912	4,093,099
Illinois	838,974	963,939	1,066,450	1,122,801	1,117,244	1,112,792
Indiana	276,401	327,720	365,336	380,291	392,583	392,653
Michigan	699,993	792,865	820,831	880,320	901,341	915,549
Ohio	643,198	743,554	849,298	892,845	1,006,945	1,061,089
Wisconsin	442,972	504,627	563,133	611,825	623,799	611,016
West North Central	1,297,190	1,459,918	1,579,975	1,677,006	1,726,125	1,772,648
Iowa	257,084	284,091	306,237	316,536	322,822	322,204
Kansas	134,309	157,607	170,548	179,894	185,728	182,668
Minnesota	300,102	298,114	312,782	324,691	331,671	344,093
Missouri	447,795	519,595	543,237	592,887	608,287	632,804
Nebraska	89,322	106,040	129,578	141,899	149,618	150,054
North Dakota	46,418	66,276	81,724	78,337	84,509	90,309
South Dakota	22,160	28,195	35,869	42,762	43,490	50,516
South Atlantic	4,154,581	4,738,883	5,271,579	5,541,137	5,743,681	5,895,726
Delaware	51,002	73,129	80,925	79,769	86,146	89,026
District of Columbia	194,255	219,292	239,752	241,839	223,150	248,059
Florida	559,327	667,688	746,889	792,278	815,538	819,066
Georgia	534,959	639,344	700,306	744,799	748,478	759,085
Maryland	1,417,172	1,510,805	1,710,143	1,767,353	1,860,957	1,901,086
North Carolina	745,722	841,581	937,289	1,014,935	1,083,603	1,152,048
South Carolina	183,701	226,288	245,411	239,075	260,269	254,995
Virginia	405,985	482,759	527,199	572,577	578,374	579,775
West Virginia	62,458	77,997	83,665	88,512	87,166	92,586
East South Central	1,012,094	1,173,095	1,259,662	1,363,942	1,417,928	1,467,759
Alabama	365,187	409,919	417,000	446,488	441,306	438,448
Kentucky	151,228	172,464	195,032	221,922	235,781	246,121
Mississippi	179,686	207,872	211,410	223,910	234,555	268,126
Tennessee	315,993	382,840	436,220	471,622	506,286	515,064
West South Central	1,781,348	1,977,585	2,114,837	2,259,846	2,323,422	2,360,693
Arkansas	62,269	82,846	94,036	103,132	110,092	109,351
Louisiana	196,783	217,044	235,304	259,181	256,659	272,932
Oklahoma	112,438	127,055	140,434	138,528	142,598	136,087
Texas	1,409,858	1,550,640	1,645,063	1,759,005	1,814,073	1,842,323
Mountain	1,415,168	1,607,845	1,778,921	1,913,565	2,009,365	2,014,852
Arizona	287,052	341,715	376,657	401,975	425,817	396,982
Colorado	484,762	534,716	621,458	645,720	672,541	694,573
Idaho	42,376	55,928	64,623	67,746	66,127	67,979
Montana	65,575	84,991	97,411	113,046	114,201	114,759

TABLE 22. Federally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Nevada	85,085	103,532	105,035	124,926	137,655	139,593
New Mexico	195,383	199,607	204,358	252,611	278,741	293,644
Utah	234,918	264,170	286,193	278,190	288,439	281,785
Wyoming	20,017	23,186	23,186	29,351	25,844	25,537
Pacific	3,827,448	4,371,937	5,133,837	5,349,996	5,454,455	5,474,369
Alaska	71,129	78,725	82,681	97,356	105,072	105,496
California	2,809,511	3,184,021	3,782,821	3,969,072	3,990,471	4,038,269
Hawaii	119,381	148,662	191,252	199,135	210,097	215,806
Oregon	273,901	317,704	370,921	392,321	410,243	408,533
Washington	553,526	642,825	706,162	692,112	738,572	706,265
Outlying areas ^a	62,814	72,263	85,376	96,688	97,529	100,827

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 23. State and local government-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07

(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	2,506,057	2,646,601	2,879,152	2,942,468	2,962,968	3,145,376
New England	86,094	83,979	80,913	83,032	59,344	55,294
Connecticut	8,970	9,307	7,070	7,793	9,196	13,438
Maine	12,084	13,386	12,730	10,128	8,811	7,531
Massachusetts	46,514	43,373	41,699	45,166	18,199	17,130
New Hampshire	7,870	7,709	7,323	6,006	9,425	8,716
Rhode Island	6,293	6,764	7,085	8,778	8,032	8,094
Vermont	4,363	3,440	5,006	5,161	5,681	385
Middle Atlantic	277,329	320,245	352,984	393,537	380,391	433,502
New Jersey	62,789	66,571	58,323	56,803	57,502	56,268
New York	136,011	159,682	195,519	220,872	201,856	257,080
Pennsylvania	78,529	93,992	99,142	115,862	121,033	120,154
East North Central	345,660	330,050	403,743	415,612	391,630	410,846
Illinois	92,586	93,543	72,130	66,830	67,673	71,144
Indiana	54,494	51,364	53,998	60,869	62,201	56,896
Michigan	69,592	95,152	84,069	75,038	74,875	65,090
Ohio	78,846	39,511	152,245	167,576	150,297	178,154
Wisconsin	50,142	50,480	41,301	45,299	36,584	39,562
West North Central	211,371	210,227	236,178	247,853	245,659	255,976
Iowa	56,410	51,078	50,647	48,954	50,318	57,321
Kansas	44,714	40,117	46,142	50,021	49,150	45,616
Minnesota	61,380	59,826	50,813	50,836	53,684	57,742
Missouri	27,322	33,606	37,099	41,495	33,429	35,579
Nebraska	9,936	12,014	12,102	12,650	10,881	10,304
North Dakota	2,569	3,760	28,498	31,158	32,349	35,409
South Dakota	9,040	9,826	10,877	12,739	15,848	14,005
South Atlantic	490,500	490,104	585,430	591,421	607,174	627,071
Delaware	4,270	3,745	3,529	5,296	4,989	5,717
District of Columbia	4,106	2,893	3,776	3,635	4,477	5,173
Florida	118,480	118,531	199,642	156,003	168,787	165,511
Georgia	79,163	85,361	83,728	77,701	82,124	69,975
Maryland	57,855	60,819	61,218	67,795	63,793	54,154
North Carolina	117,049	117,158	123,972	147,634	138,796	145,920
South Carolina	26,270	21,673	19,312	32,504	34,467	45,462
Virginia	81,259	76,661	85,427	96,739	104,458	127,766
West Virginia	2,048	3,263	4,826	4,114	5,283	7,393
East South Central	144,152	147,629	168,199	161,629	151,687	154,424
Alabama	7,582	6,765	9,369	8,889	9,989	12,510
Kentucky	45,257	48,960	52,458	52,451	54,237	56,468
Mississippi	41,966	37,397	52,693	36,840	35,180	32,198
Tennessee	49,347	54,507	53,679	63,449	52,281	53,248
West South Central	437,165	539,764	548,792	556,411	599,355	635,870
Arkansas	39,777	55,395	44,931	47,006	50,625	53,492
Louisiana	96,930	105,214	113,921	117,477	100,376	106,731
Oklahoma	40,462	40,582	34,287	37,115	39,099	44,663
Texas	259,996	338,573	355,653	354,813	409,255	430,984
Mountain	127,865	158,234	133,046	134,561	151,222	167,963
Arizona	14,553	39,564	24,650	25,200	29,386	37,000
Colorado	24,385	30,808	14,420	20,962	18,030	19,397
Idaho	21,328	18,749	20,770	25,334	25,643	25,497

TABLE 23. State and local government-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07

(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Montana	23,118	21,506	21,279	21,119	22,218	23,348
Nevada	5,925	8,024	11,784	4,263	7,695	9,141
New Mexico	13,803	14,913	13,435	15,277	25,002	21,896
Utah	22,715	22,677	24,715	20,203	20,632	25,553
Wyoming	2,038	1,993	1,993	2,203	2,616	6,131
Pacific	379,198	358,102	359,577	350,673	365,212	395,141
Alaska	3,758	5,036	3,103	2,704	2,392	1,819
California	284,002	283,213	269,373	256,669	266,911	285,003
Hawaii	31,062	11,822	8,815	7,077	8,933	15,534
Oregon	42,027	38,016	37,291	41,583	44,585	45,754
Washington	18,349	20,015	40,995	42,640	42,391	47,031
Outlying areas ^a	6,723	8,267	10,290	7,739	11,294	9,289

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 24. Industry-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	2,191,305	2,161,853	2,129,475	2,293,821	2,403,546	2,672,333
New England	186,664	181,916	173,120	184,861	194,112	203,120
Connecticut	23,333	27,846	25,307	28,520	24,069	23,237
Maine	4,075	3,385	3,829	3,881	4,200	3,081
Massachusetts	139,160	128,944	122,022	129,302	131,870	152,029
New Hampshire	10,389	11,257	10,812	9,553	10,361	12,138
Rhode Island	2,538	2,995	4,284	6,337	15,731	6,584
Vermont	7,169	7,489	6,866	7,268	7,881	6,051
Middle Atlantic	325,500	311,613	336,417	344,397	373,582	402,032
New Jersey	38,275	37,225	35,277	38,240	42,091	35,163
New York	128,410	133,107	145,676	142,880	161,208	183,746
Pennsylvania	158,815	141,281	155,464	163,277	170,283	183,123
East North Central	263,125	263,730	277,467	331,747	352,407	415,375
Illinois	54,947	49,440	52,834	53,510	65,922	66,017
Indiana	43,339	51,182	55,162	62,805	62,684	76,706
Michigan	63,724	69,052	61,363	64,961	62,190	68,647
Ohio	80,071	73,883	86,213	128,135	136,184	172,659
Wisconsin	21,044	20,173	21,895	22,336	25,427	31,346
West North Central	134,751	124,392	117,368	118,261	119,329	119,099
Iowa	35,462	35,511	29,465	28,624	29,949	27,774
Kansas	13,741	8,200	9,163	9,911	8,762	8,144
Minnesota	27,200	24,748	22,522	27,413	27,114	30,557
Missouri	30,459	26,584	28,942	23,205	20,872	18,286
Nebraska	21,104	22,024	20,921	21,424	22,814	23,965
North Dakota	6,505	6,636	5,622	6,901	9,165	8,342
South Dakota	280	689	733	783	653	2,031
South Atlantic	511,731	520,204	471,540	553,032	542,152	579,455
Delaware	5,667	3,051	3,059	4,048	4,584	4,527
District of Columbia	17,514	12,272	7,600	13,387	11,103	10,253
Florida	67,194	68,616	71,644	104,674	120,455	98,129
Georgia	95,753	74,034	67,663	69,047	58,347	64,814
Maryland	81,401	96,593	91,412	94,577	72,933	72,541
North Carolina	158,754	183,682	151,840	199,728	202,821	255,749
South Carolina	27,051	22,995	23,366	22,146	27,447	27,525
Virginia	51,573	56,640	50,903	41,550	40,321	40,365
West Virginia	6,824	2,321	4,053	3,875	4,141	5,552
East South Central	59,295	54,765	55,672	65,765	71,778	75,402
Alabama	18,856	15,019	15,851	18,827	22,353	26,281
Kentucky	9,090	8,491	10,446	11,262	13,653	13,072
Mississippi	10,822	9,595	9,485	10,579	12,217	11,662
Tennessee	20,527	21,660	19,890	25,097	23,555	24,387
West South Central	237,262	232,130	210,136	213,019	232,938	256,438
Arkansas	9,106	9,528	10,348	10,886	15,122	16,547
Louisiana	30,451	30,940	22,543	22,221	20,106	17,086
Oklahoma	19,530	17,211	15,017	15,496	16,843	19,693
Texas	178,175	174,451	162,228	164,416	180,867	203,112
Mountain	109,159	123,817	119,692	118,994	123,420	132,333
Arizona	31,455	40,280	38,914	42,370	46,048	46,300
Colorado	33,640	37,265	36,597	33,766	34,057	40,410
Idaho	7,469	6,152	4,852	3,846	2,653	4,641
Montana	7,712	6,909	5,597	3,895	4,029	6,417

TABLE 24. Industry-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Nevada	4,120	5,593	7,036	4,091	3,903	2,492
New Mexico	10,936	15,326	13,819	17,111	17,225	11,328
Utah	11,246	9,798	10,383	12,355	13,568	18,419
Wyoming	2,581	2,494	2,494	1,560	1,937	2,326
Pacific	359,857	343,730	363,459	358,044	388,355	482,456
Alaska	24,002	23,093	16,934	11,356	10,019	9,484
California	263,313	251,010	260,911	268,909	286,140	356,655
Hawaii	9,971	6,931	21,234	12,155	12,551	22,080
Oregon	11,720	10,706	14,373	16,435	19,807	22,554
Washington	50,851	51,990	50,007	49,189	59,838	71,683
Outlying areas ^a	3,961	5,556	4,604	5,701	5,473	6,623

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 25. Institution-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	7,133,665	7,663,869	7,752,915	8,260,536	9,056,638	9,655,290
New England	273,214	299,250	328,900	355,636	402,014	435,818
Connecticut	68,711	71,403	82,238	84,833	96,150	90,980
Maine	23,123	26,338	32,560	35,631	42,840	54,351
Massachusetts	89,140	98,307	106,923	118,417	132,720	152,250
New Hampshire	42,231	49,139	47,743	52,026	51,694	59,419
Rhode Island	35,622	37,239	43,061	47,004	59,801	62,576
Vermont	14,387	16,824	16,375	17,725	18,809	16,242
Middle Atlantic	865,815	937,359	965,327	1,058,006	1,227,566	1,321,646
New Jersey	205,134	211,636	217,895	236,260	234,556	237,086
New York	453,354	513,539	520,924	541,024	697,519	779,035
Pennsylvania	207,327	212,184	226,508	280,722	295,491	305,525
East North Central	1,336,531	1,517,639	1,519,088	1,461,238	1,604,468	1,671,830
Illinois	357,425	399,639	422,175	420,871	459,518	496,790
Indiana	225,350	236,893	310,642	206,036	248,207	206,765
Michigan	307,498	347,200	353,370	361,759	362,391	382,926
Ohio	228,097	315,644	185,036	231,983	264,701	295,365
Wisconsin	218,161	218,263	247,865	240,589	269,651	289,984
West North Central	624,915	654,230	666,852	702,536	733,962	765,361
Iowa	114,077	114,738	130,679	138,325	154,381	150,024
Kansas	91,455	87,486	93,116	96,088	94,745	122,712
Minnesota	77,464	72,780	72,616	77,253	110,340	108,734
Missouri	161,444	182,510	191,007	189,971	189,159	197,755
Nebraska	129,790	140,401	142,569	166,014	151,170	150,939
North Dakota	46,964	51,377	31,203	30,195	29,191	30,289
South Dakota	3,721	4,938	5,662	4,690	4,976	4,908
South Atlantic	1,357,191	1,414,637	1,419,999	1,615,441	1,784,321	1,935,723
Delaware	18,239	19,840	23,415	22,683	21,723	22,402
District of Columbia	9,929	12,171	16,907	17,009	25,373	28,834
Florida	276,617	284,656	237,317	330,552	349,180	388,898
Georgia	312,874	321,600	334,946	342,894	359,547	412,192
Maryland	243,553	261,664	284,943	289,091	373,249	358,245
North Carolina	209,562	207,374	190,666	231,130	240,208	273,284
South Carolina	144,576	152,311	154,982	181,843	185,371	218,077
Virginia	113,248	116,317	137,512	153,569	177,757	174,143
West Virginia	28,593	38,704	39,311	46,670	51,913	59,648
East South Central	323,057	378,678	414,544	429,009	443,845	512,089
Alabama	91,942	98,258	107,894	96,203	103,567	151,853
Kentucky	98,940	113,143	126,040	127,843	134,893	139,939
Mississippi	53,093	62,476	68,249	75,675	80,778	92,189
Tennessee	79,082	104,801	112,361	129,288	124,607	128,108
West South Central	637,254	662,341	644,290	725,770	789,063	839,710
Arkansas	21,985	26,915	25,291	34,130	38,048	41,955
Louisiana	106,884	123,519	130,213	126,334	123,307	138,193
Oklahoma	93,459	94,350	77,803	87,028	85,401	83,636
Texas	414,926	417,557	410,983	478,278	542,307	575,926
Mountain	457,968	480,726	508,110	560,515	577,613	615,760
Arizona	171,237	171,749	186,762	221,066	212,005	260,453
Colorado	77,073	71,433	78,480	77,723	66,177	84,955
Idaho	21,077	22,683	24,227	11,778	14,256	13,721
Montana	24,212	26,436	29,062	31,258	29,923	32,230

TABLE 25. Institution-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2002–07
(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Nevada	28,370	33,435	36,857	40,970	41,499	34,290
New Mexico	64,449	68,935	63,799	70,776	93,136	78,412
Utah	55,334	56,685	59,553	59,891	65,509	68,860
Wyoming	16,216	29,370	29,370	47,053	55,108	42,839
Pacific	1,244,108	1,305,774	1,274,254	1,338,915	1,481,214	1,545,163
Alaska	28,132	32,693	40,699	39,893	43,821	41,479
California	1,029,631	1,080,048	1,081,353	1,131,411	1,235,594	1,293,438
Hawaii	12,232	17,171	19,892	21,282	25,888	16,352
Oregon	36,531	46,523	60,774	63,856	59,224	68,302
Washington	137,582	129,339	71,536	82,473	116,687	125,592
Outlying areas ^a	13,612	13,235	11,551	13,470	12,572	12,190

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 26. All other sources of financing for R&D expenditures at universities and colleges, by geographic division and state:
FY 2002–07

(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
United States	2,700,966	2,857,495	2,852,204	3,092,575	3,195,980	3,517,023
New England	259,767	274,972	250,581	260,021	269,824	287,500
Connecticut	62,004	67,295	66,451	70,827	79,812	80,217
Maine	6,139	3,807	3,458	5,141	6,189	6,853
Massachusetts	160,539	171,843	148,517	155,630	158,152	177,949
New Hampshire	21,487	18,608	20,297	18,905	17,068	17,610
Rhode Island	4,758	6,573	4,614	3,523	1,368	4,170
Vermont	4,840	6,846	7,244	5,995	7,235	701
Middle Atlantic	458,419	448,039	455,953	502,141	482,437	520,703
New Jersey	67,532	69,001	73,622	70,961	69,922	82,613
New York	266,654	257,788	252,863	297,627	275,611	299,134
Pennsylvania	124,233	121,250	129,468	133,553	136,904	138,956
East North Central	401,566	432,178	362,660	421,526	407,367	461,462
Illinois	97,224	107,709	99,693	107,095	113,866	120,260
Indiana	51,134	58,593	55,819	49,418	57,611	68,910
Michigan	93,080	85,814	77,802	74,140	72,402	77,741
Ohio	85,904	95,805	46,888	111,075	79,419	99,771
Wisconsin	74,224	84,257	82,458	79,798	84,069	94,780
West North Central	138,783	169,132	176,486	179,822	199,070	243,881
Iowa	22,723	13,251	14,742	15,862	15,153	29,463
Kansas	15,587	16,701	13,578	12,837	15,991	16,820
Minnesota	38,252	62,444	76,736	78,066	82,392	95,794
Missouri	38,573	44,780	41,494	45,455	48,455	57,021
Nebraska	16,778	20,061	19,831	18,161	24,375	29,580
North Dakota	3,622	5,566	4,663	3,403	4,881	5,119
South Dakota	3,248	6,329	5,442	6,038	7,823	10,084
South Atlantic	366,844	378,229	353,265	397,862	427,331	485,684
Delaware	9,141	4,885	3,735	3,955	4,559	3,991
District of Columbia	35,015	34,246	35,014	27,051	32,052	34,913
Florida	64,146	65,101	51,318	65,127	68,139	74,221
Georgia	53,957	56,184	35,507	39,969	54,074	82,910
Maryland	95,401	110,866	120,588	138,089	159,066	156,310
North Carolina	48,290	48,064	43,107	62,417	45,068	58,498
South Carolina	18,384	12,061	12,893	12,208	16,480	22,956
Virginia	41,603	43,690	47,997	45,728	45,976	49,856
West Virginia	907	3,132	3,106	3,318	1,917	2,029
East South Central	79,766	98,464	104,025	100,936	107,991	120,889
Alabama	19,903	20,795	22,165	19,453	24,666	26,153
Kentucky	29,693	34,577	40,037	38,787	40,718	47,693
Mississippi	3,845	6,896	5,726	6,074	6,413	6,462
Tennessee	26,325	36,196	36,097	36,622	36,194	40,581
West South Central	341,868	346,358	386,425	399,369	407,621	459,299
Arkansas	7,676	9,224	8,352	14,364	23,346	19,061
Louisiana	45,737	37,686	57,391	54,263	45,815	62,580
Oklahoma	16,173	15,900	15,480	13,530	14,234	14,584
Texas	272,282	283,548	305,202	317,212	324,226	363,074
Mountain	102,527	94,840	89,101	131,942	126,578	109,383
Arizona	26,809	24,670	23,978	29,573	52,178	41,936
Colorado	25,431	20,640	20,404	46,877	29,760	33,241
Idaho	1,073	1,527	2,285	11,167	2,786	2,386

TABLE 26. All other sources of financing for R&D expenditures at universities and colleges, by geographic division and state:
FY 2002–07

(Dollars in thousands)

Division and state	2002	2003	2004	2005	2006	2007
Montana	1,758	1,378	1,377	1,473	2,251	2,383
Nevada	3,213	3,931	3,052	4,242	3,707	3,580
New Mexico	8,120	7,855	8,511	5,691	7,324	5,095
Utah	35,343	31,828	26,483	29,637	24,663	17,895
Wyoming	780	3,011	3,011	3,282	3,909	2,867
Pacific	549,698	613,443	671,683	697,053	765,453	825,398
Alaska	1,854	2,866	3,048	2,412	1,730	1,713
California	501,461	559,608	618,413	636,866	709,534	759,307
Hawaii	18	16	153	598	9	4,601
Oregon	22,487	24,009	21,443	22,033	23,546	29,378
Washington	23,878	26,944	28,626	35,144	30,634	30,399
Outlying areas ^a	1,728	1,840	2,025	1,903	2,308	2,824

^a Outlying areas include Guam, Puerto Rico, and the Virgin Islands.

NOTES: Because of rounding, detail may not add to total. Includes R&D expenditures financed by sources other than government (federal, state, local), industry, or institution funds.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
United States	49,430,767	30,440,745	3,145,376	2,672,333	9,655,290	3,517,023
Public	33,538,024	18,779,933	2,817,014	1,796,570	7,862,242	2,282,265
Private	15,892,743	11,660,812	328,362	875,763	1,793,048	1,234,758
Alabama	655,245	438,448	12,510	26,281	151,853	26,153
Public	640,719	427,218	12,510	26,281	151,853	22,857
AL A&M U.	13,672	8,467	1,785	38	2,070	1,312
AL State U.	1,900	1,685	0	5	210	0
Auburn U. all campuses	140,629	54,949	2,236	4,536	76,470	2,438
Jacksonville State U.	523	371	71	0	81	0
Troy U. main campus	246	181	15	0	50	0
U. AL, The	36,382	27,744	3,091	2,404	3,143	0
U. AL Birmingham, The	351,457	269,006	319	8,676	54,349	19,107
U. AL Huntsville, The	70,027	48,415	4,756	7,583	9,273	0
U. South AL	25,883	16,400	237	3,039	6,207	0
Private	14,526	11,230	0	0	0	3,296
Miles C.	197	197	0	0	0	0
Tuskegee U.	14,329	11,033	0	0	0	3,296
Alaska	159,991	105,496	1,819	9,484	41,479	1,713
Public	159,991	105,496	1,819	9,484	41,479	1,713
U. AK Anchorage all campuses	7,122	4,967	588	0	0	1,567
U. AK Fairbanks all campuses	151,782 e	99,588 i	1,231 i	9,484 i	41,479 i	0 i
U. AK Southeast all campuses	1,087	941	0	0	0	146
Arizona	782,671	396,982	37,000	46,300	260,453	41,936
Public	782,671	396,982	37,000	46,300	260,453	41,936
AZ State U.	224,352	114,632	24,254	16,205	63,562	5,699
Northern AZ U.	26,566	12,409	5,143	2,529	6,485	0
U. AZ	531,753	269,941	7,603	27,566	190,406	36,237
Arkansas	240,406	109,351	53,492	16,547	41,955	19,061
Public	240,031	108,982	53,492	16,547	41,949	19,061
AR State U. main campus	7,494	4,694	1,961	157	625	57
AR Tech U.	327 i	171 i	32 i	11 i	109 i	4 i
U. AR for Medical Sciences	108,551	60,836	7,105	4,682	21,584	14,344
U. AR Little Rock	9,683 i	1,140 i	3,469 i	1,697 i	878 i	2,499 i
U. AR main campus	101,109	37,016	39,754	7,270	15,744	1,325
U. AR Pine Bluff	5,831	3,091	167	16	2,557	0
U. Central AR	7,036	2,034	1,004	2,714	452	832
Private	375	369	0	0	6	0
Hendrix C.	375	369	0	0	6	0
California	6,732,672	4,038,269	285,003	356,655	1,293,438	759,307
Public	4,785,044	2,540,916	267,247	228,877	1,071,651	676,353
CA State Polytechnic U. Pomona	2,466	2,466	0	0	0	0
CA State Polytechnic U. San Luis Obispo	14,517	5,391	3,898	1,192	1,541	2,495
CA State U. Bakersfield	1,833	584	464	341	215	229
CA State U. Chico	2,814 i	1,083 i	1,489 i	115 i	0 i	127 i
CA State U. Dominguez Hills	6,016	4,580	809	137	318	172
CA State U. East Bay	3,509	1,652	732	278	265	582
CA State U. Fresno	5,297	2,477	1,332	76	1,260	152
CA State U. Fullerton	4,311	3,792	210	188	121	0
CA State U. Long Beach	13,867	11,856	527	656	351	477
CA State U. Los Angeles	10,053	9,819	90	25	0	119

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
CA State U. Monterey Bay	7,032	3,832	2,982	0	0	218
CA State U. Northridge	12,412	7,339	2,971	90	1,774	238
CA State U. Sacramento	183	163	0	0	10	10
CA State U. San Bernardino	8,323	3,553	2,110	1,960	700	0
Humboldt State U.	7,087	2,510	1,951	485	1,202	939
Naval Postgraduate School	63,392	62,434	533	377	0	48
San Diego State U.	65,810	33,139	6,817	830	17,882	7,142
San Francisco State U.	20,069	11,896	4,959	0	2,198	1,016
San Jose State U.	34,241	22,609	7,597	621	1,319	2,095
Sonoma State U.	408	280	25	0	22	81
U. CA Office of the President	118,910	256	45,673	596	63,831	8,554
U. CA, Berkeley	552,365	251,043	41,298	25,361	151,941	82,722
U. CA, Davis	600,508	256,994	49,921	26,159	201,084	66,350
U. CA, Irvine	309,554	169,912	10,238	16,564	66,674	46,166
U. CA, Los Angeles	823,083	488,846	12,981	39,731	161,738	119,787
U. CA, Merced	10,945	3,119	4,306	165	2,473	882
U. CA, Riverside	128,243	56,129	4,948	5,692	49,140	12,334
U. CA, San Diego	798,896	475,708	26,072	44,768	132,658	119,690
U. CA, San Francisco	842,840	467,402	24,578	45,659	145,705	159,496
U. CA, Santa Barbara	191,204	111,848	3,678	12,941	35,249	27,488
U. CA, Santa Cruz	124,856	68,204	4,058	3,870	31,980	16,744
Private	1,947,628	1,497,353	17,756	127,778	221,787	82,954
CA Institute of Technology	285,488	253,657	2,828	6,315	11,118	11,570
Chapman U.	706	198	0	57	282	169
Charles R. Drew U. of Medicine and Science	52,118	48,580	922	206	2,410	0
Claremont Graduate U.	3,121	986	60	25	501	1,549
Claremont McKenna C.	678 i	678 i	0 i	0 i	0 i	0 i
Fuller Theological Seminary CA	780	553	17	0	26	184
Harvey Mudd C.	2,739	1,231	0	325	532	651
Loma Linda U.	28,020	24,666	39	821	1,053	1,441
Loyola Marymount U.	1,597	1,082	0	0	384	131
Mills C.	575 i	575 i	0 i	0 i	0 i	0 i
Mt. St. Mary's C. (Los Angeles, CA)	515	515	0	0	0	0
Occidental C.	1,652	745	6	826	0	75
Pitzer C.	268	116	0	0	152	0
Point Loma Nazarene C.	358	348	10	0	0	0
Pomona C.	3,108	1,226	0	0	1,808	74
Santa Clara U.	1,736 i	1,682 i	0 i	0 i	0 i	54 i
Scripps Research Institute, The	360,511	267,073	134	14,578	58,371	20,355
Stanford U.	687,511	534,787	6,002	54,181	46,522	46,019
U. Redlands	1,206	1,173	0	0	0	33
U. San Diego	667	297	23	48	0	299
U. San Francisco	1,096	513	11	1	307	264
U. Southern CA	508,138	355,084	6,258	48,618	98,178	0
U. of the Pacific	4,131	908	1,446	1,777	0	0
Western U. of Health Sciences	909	680	0	0	143	86
Colorado	872,576	694,573	19,397	40,410	84,955	33,241
Public	862,743	686,879	19,368	39,428	84,236	32,832
CO School of Mines	29,939	18,248	1,687	10,004	0	0
CO State U.	288,497	210,746	12,327	14,681	42,673	8,070
CO State U. Pueblo	151	55	0	0	96	0
Ft. Lewis C.	243	147	0	37	7	52
U.S. Air Force Academy	14,504	14,301	0	203	0	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
U. CO Boulder	259,624	223,021	644	6,728	24,277	4,954
U. CO Colorado Springs	6,383	4,098	248	370	1,075	592
U. CO at Denver and Health Sciences Ctr.	261,580	215,184	4,450	7,400	15,621	18,925
U. Northern CO	1,822	1,079	12	5	487	239
Private	9,833	7,694	29	982	719	409
U. Denver	9,833	7,694	29	982	719	409
Connecticut	691,408	483,536	13,438	23,237	90,980	80,217
Public	228,464	126,467	10,509	8,243	67,476	15,769
Central CT State U.	523	485	7	10	2	19
Southern CT State U.	1,918	1,249	669	0	0	0
U.S. Coast Guard Academy	1,020	999	0	0	21	0
U. CT all campuses	224,679	123,513	9,740	8,233	67,443	15,750
Western CT State U.	324	221	93	0	10	0
Private	462,944	357,069	2,929	14,994	23,504	64,448
CT C.	1,020	800	26	48	13	133
Fairfield U.	2,148	182	40	136	1,790	0
Trinity C. (Hartford, CT)	951	575	8	14	153	201
U. Hartford	1,923	1,059	368	125	288	83
U. New Haven	353	332	0	21	0	0
Wesleyan U.	7,878	5,094	96	34	2,011	643
Yale U.	448,671	349,027	2,391	14,616	19,249	63,388
Delaware	125,663	89,026	5,717	4,527	22,402	3,991
Public	125,663	89,026	5,717	4,527	22,402	3,991
DE State U.	7,418	6,487	354	577	0	0
U. DE	118,245	82,539	5,363	3,950	22,402	3,991
District of Columbia	327,232	248,059	5,173	10,253	28,834	34,913
Public	5,165	4,002	686	0	470	7
U. DC	5,165	4,002	686	0	470	7
Private	322,067	244,057	4,487	10,253	28,364	34,906
American U.	2,713	1,800	0	913	0	0
Catholic U. America, The	19,919	15,324	33	768	3,661	133
Gallaudet U.	3,520	3,460	60	0	0	0
George Washington U.	126,110	87,624	2,289	3,098	10,831	22,268
Georgetown U.	131,785	101,853	1,614	3,441	13,872	11,005
Howard U.	38,020	33,996	491	2,033	0	1,500
Florida	1,545,825	819,066	165,511	98,129	388,898	74,221
Public	1,313,063	655,919	158,434	76,092	375,944	46,674
FL A&M U.	16,541	14,502	962	1,077	0	0
FL Atlantic U.	26,769	18,037	2,383	1,123	2,919	2,307
FL Gulf Coast U.	3,479	2,386	479	0	20	594
FL International U.	90,903	52,141	6,044	5,238	27,480	0
FL State U.	189,565	113,681	10,767	1,123	56,317	7,677
U. Central FL	111,595	49,359	4,732	17,619	39,885	0
U. FL	592,835	240,819	100,792	34,124	184,855	32,245
U. North FL	3,875	2,535	505	108	303	424
U. South FL	272,661	158,442	31,239	15,680	64,165	3,135
U. West FL	4,840	4,017	531	0	0	292
Private	232,762	163,147	7,077	22,037	12,954	27,547
Edward Waters C.	150 i	0 i	18 i	24 i	62 i	46 i
Embry-Riddle Aeronautical U.	7,930	6,419	760	680	0	71

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
FL Institute of Technology	6,985	5,570	271	980	0	164
Jacksonville U.	466	153	174	122	17	0
Nova Southeastern U.	6,697	3,470	1,243	0	90	1,894
U. Miami	210,534	147,535	4,611	20,231	12,785	25,372
Georgia	1,388,976	759,085	69,975	64,814	412,192	82,910
Public	926,642	437,152	60,109	51,891	357,751	19,739
Albany State U.	1,331	952	261	0	0	118
Ft. Valley State U.	2,610	2,610	0	0	0	0
GA Institute of Technology all campuses	472,591	260,230	12,915	45,651	152,356	1,439
GA Southern U.	1,789	1,348	238	203	0	0
GA State U.	51,387	24,569	4,425	957	18,703	2,733
Kennesaw State U.	548	341	0	127	0	80
Medical C. GA	60,001	40,609	160	717	13,815	4,700
Savannah State U.	2,301	2,257	44	0	0	0
Southern Polytechnic State U.	300	272	15	13	0	0
U. GA	332,612	103,256	41,851	4,064	172,772	10,669
U. West GA	1,172	708	200	159	105	0
Private	462,334	321,933	9,866	12,923	54,441	63,171
Berry C.	240 i	174 i	4 i	9 i	7 i	46 i
Clark Atlanta U.	8,543	7,905	0	0	482	156
Emory U.	398,383	271,445	8,504	6,268	49,816	62,350
Mercer U. all campuses	18,096	11,075	177	4,888	1,956	0
Morehouse C.	5,445	4,743	0	0	83	619
Morehouse School of Medicine	27,886	23,230	1,181	1,378	2,097	0
Spelman C.	3,741	3,361	0	380	0	0
Hawaii	274,373	215,806	15,534	22,080	16,352	4,601
Public	274,373	215,806	15,534	22,080	16,352	4,601
U. HI Hilo	7,926	7,610	109	143	9	55
U. HI Manoa	266,447	208,196	15,425	21,937	16,343	4,546
Idaho	114,224	67,979	25,497	4,641	13,721	2,386
Public	114,224	67,979	25,497	4,641	13,721	2,386
Boise State U.	10,947	9,924	252	689	82	0
ID State U.	19,887	11,911	208	3,085	3,966	717
U. ID	83,390	46,144	25,037	867	9,673	1,669
Illinois	1,867,003	1,112,792	71,144	66,017	496,790	120,260
Public	937,615	505,093	57,107	30,366	304,556	40,493
Chicago State U.	2,124	1,993	0	0	131	0
Eastern IL U.	885	589	180	34	82	0
Governors State U.	1,336	1,113	223	0	0	0
IL State U.	4,831	3,074	459	433	865	0
Northeastern IL U.	1,005	245	200	125	435	0
Northern IL U.	16,710	13,034	74	427	3,175	0
Southern IL U. Carbondale	64,703	17,724	8,172	7,499	29,888	1,420
Southern IL U. Edwardsville	26,904	3,133	1,488	278	21,729	276
U. IL Chicago	342,421	208,881	9,165	9,187	92,950	22,238
U. IL Springfield	1,321	997	25	21	186	92
U. IL Urbana-Champaign	473,890	253,612	36,622	12,333	155,044	16,279
Western IL U.	1,485	698	499	29	71	188
Private	929,388	607,699	14,037	35,651	192,234	79,767
Augustana C. (Rock Island, IL)	212 i	90 i	0 i	18 i	100 i	4 i
Bradley U.	1,860	357	0	1,071	432	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
DePaul U.	2,839	2,284	53	46	194	262
IL Institute of Technology	22,955	19,731	363	1,426	1,070	365
IL Wesleyan U.	856	644	13	7	142	50
Lake Forest C.	386	76	0	30	280	0
Loyola U. Chicago	34,940	24,794	2,823	340	4,163	2,820
Midwestern U. (Chicago, IL)	2,358	801	68	244	1,195	50
National U. of Health Sciences	580	351	0	0	140	89
Northwestern U.	443,345	249,411	5,653	14,714	124,983	48,584
Rosalind Franklin U. of Medicine and Science	12,199	7,689	0	420	3,217	873
Rush U.	84,370	39,601	0	11,295	31,866	1,608
U. Chicago	322,488	261,870	5,064	6,040	24,452	25,062
Indiana	801,930	392,653	56,896	76,706	206,765	68,910
Public	719,763	337,103	55,083	66,571	194,800	66,206
Ball State U.	7,913	4,541	111	1,314	1,947	0
IN State U. all campuses	1,697	991	0	487	16	203
IN U. all campuses	294,981	165,934	5,442	8,791	50,565	64,249
Purdue U. all campuses	415,172	165,637	49,530	55,979	142,272	1,754
Private	82,167	55,550	1,813	10,135	11,965	2,704
DePauw U.	221 i	221 i	0 i	0 i	0 i	0 i
Rose-Hulman Institute of Technology	3,271	532	30	77	0	2,632
U. of Notre Dame	77,467	53,974	1,739	10,046	11,708	0
Valparaiso U.	763	582	43	12	93	33
Wabash C.	445	241	1	0	164	39
Iowa	586,786	322,204	57,321	27,774	150,024	29,463
Public	583,856	321,149	57,269	27,720	148,541	29,177
IA State U.	217,158	97,112	45,581	11,338	57,924	5,203
U. IA	363,243	222,944	10,355	16,382	89,661	23,901
U. Northern IA	3,455	1,093	1,333	0	956	73
Private	2,930	1,055	52	54	1,483	286
Coe C.	445	228	14	12	143	48
Des Moines U.	796	108	20	4	633	31
Drake U.	622	294	18	38	131	141
Grinnell C.	787	145	0	0	576	66
Maharishi U. of Management	280	280	0	0	0	0
Kansas	375,960	182,668	45,616	8,144	122,712	16,820
Public	375,960	182,668	45,616	8,144	122,712	16,820
KS State U.	123,900	47,654	38,223	2,208	28,555	7,260
Pittsburg State U.	2,533	1,258	327	843	0	105
U. KS all campuses	202,129	115,670	4,573	3,318	70,095	8,473
Wichita State U.	47,398	18,086	2,493	1,775	24,062	982
Kentucky	503,293	246,121	56,468	13,072	139,939	47,693
Public	503,293	246,121	56,468	13,072	139,939	47,693
Eastern KY U.	614	471	65	31	47	0
KY State U.	3,548	3,451	85	12	0	0
Morehead State U.	1,758	1,257	46	44	411	0
Murray State U.	2,555	642	662	149	1,102	0
Northern KY U.	1,584	908	125	0	470	81
U. KY all campuses	331,606	154,688	43,404	9,562	96,130	27,822
U. Louisville	151,226	76,479	11,437	2,297	41,223	19,790
Western KY U.	10,402	8,225	644	977	556	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Louisiana	597,522	272,932	106,731	17,086	138,193	62,580
Public	452,767	168,026	99,339	15,499	126,737	43,166
Grambling State U.	428	428	0	0	0	0
LA State U. and A&M C.	260,924	79,760	77,757	10,087	81,723	11,597
LA State U. Health Sciences Ctr.-New Orleans	91,498	54,690	4,156	1,628	16,063	14,961
LA State U. Shreveport	859	226	531	12	78	12
LA Tech U.	14,166	4,151	1,050	433	8,433	99
McNeese State U.	316	140	80	13	63	20
Nicholls State U.	922	167	206	11	404	134
Northwestern State U.	371	0	219	0	77	75
Southeastern LA U.	1,650	1,055	286	69	240	0
Southern U. and A&M C. all campuses	5,590	4,375	1,139	0	47	29
Southern U. New Orleans	154	154	0	0	0	0
U. LA Lafayette	52,075	10,712	8,085	0	17,937	15,341
U. LA Monroe	4,674	1,194	2,869	112	155	344
U. New Orleans	19,140	10,974	2,961	3,134	1,517	554
Private	144,755	104,906	7,392	1,587	11,456	19,414
Dillard U.	2,846	1,959	504	0	383	0
Loyola U. New Orleans	408	206	61	0	71	70
Tulane U.	137,107	98,473	6,718	1,587	11,002	19,327
Xavier U. LA	4,394	4,268	109	0	0	17
Maine	137,425	65,609	7,531	3,081	54,351	6,853
Public	130,934	61,619	7,157	2,634	53,650	5,874
U. ME	96,135	41,963	5,260	2,609	44,127	2,176
U. Southern ME	34,799	19,656	1,897	25	9,523	3,698
Private	6,491	3,990	374	447	701	979
Bates C.	1,020	887	2	5	95	31
Bowdoin C.	2,186	1,402	0	442	342	0
Colby C.	1,131	723	8	0	264	136
U. New England	2,154	978	364	0	0	812
Maryland	2,542,336	1,901,086	54,154	72,541	358,245	156,310
Public	986,643	537,657	48,722	45,087	281,504	73,673
Bowie State U.	1,960	1,960	0	0	0	0
Morgan State U.	11,257	9,992	631	313	301	20
St. Mary's C. MD	415	76	151	0	0	188
Towson U.	1,098	820	69	93	57	59
Uniformed Services U. of the Health Sciences	71,307	37,275	0	0	30,561	3,471
U.S. Naval Academy	7,973	7,575	0	398	0	0
U. Baltimore	1,169	286	268	118	22	475
U. MD Baltimore	358,851	164,211	19,337	31,968	90,550	52,785
U. MD Baltimore County	66,968	49,461	2,161	815	12,465	2,066
U. MD Biotechnology Institute	61,757	30,375	1,403	431	28,682	866
U. MD Ctr. for Environmental Science	40,720	13,365	4,027	79	19,622	3,627
U. MD College Park	359,760	218,973	20,663	10,869	99,244	10,011
U. MD Eastern Shore	3,408	3,288	12	3	0	105
Private	1,555,693	1,363,429	5,432	27,454	76,741	82,637
Goucher C.	217	216	0	1	0	0
Johns Hopkins U., The ^a	1,554,103	1,362,836	4,870	27,453	76,474	82,470
Loyola C.	1,373	377	562	0	267	167
Massachusetts	2,171,596	1,672,238	17,130	152,029	152,250	177,949

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Public	379,791	244,286	10,064	27,720	74,876	22,845
Bridgewater State C.	657	433	40	0	171	13
U. MA Amherst	141,351	71,974	5,638	5,195	48,755	9,789
U. MA Boston	25,952	9,152	1,207	275	11,122	4,196
U. MA Dartmouth	19,538	11,456	2,210	762	4,855	255
U. MA Lowell	34,824	20,045	969	5,222	8,588	0
U. MA Worcester	157,469	131,226	0	16,266	1,385	8,592
Private	1,791,805	1,427,952	7,066	124,309	77,374	155,104
Amherst C.	2,926	1,100	0	43	1,118	665
Boston C.	39,261	20,336	442	1,195	7,925	9,363
Boston U.	249,279	232,115	475	5,850	0	10,839
Brandeis U.	56,831	41,358	0	0	6,248	9,225
Clark U.	4,899	2,734	0	0	1,398	767
C. of the Holy Cross	987	779	0	28	1	179
Hampshire C.	1,118	476	0	0	0	642
Harvard U.	451,276	392,103	1,732	11,358	0	46,083
MA C. of Pharmacy and Health Sciences	580	196	0	382	1	1
MA Institute of Technology	614,352	476,318	689	81,570	10,213	45,562
Mt. Holyoke C.	3,127	1,989	0	0	129	1,009
New England C. of Optometry	1,356	729	0	118	388	121
Northeastern U.	71,502	36,028	2,351	10,828	22,295	0
Simmons C.	551	240	0	17	113	181
Smith C.	3,498	2,858	28	4	254	354
Tufts U.	130,826	91,379	890	10,027	9,908	18,622
Wellesley C.	4,634	3,210	186	49	0	1,189
Williams C.	3,983	1,705	0	0	960	1,318
Woods Hole Oceanographic Institution	137,410	112,754	217	1,786	13,994	8,659
Worcester Polytechnic Institute	13,409	9,545	56	1,054	2,429	325
Michigan	1,509,953	915,549	65,090	68,647	382,926	77,741
Public	1,499,250	909,726	64,653	67,692	380,918	76,261
Central MI U.	4,512	1,257	338	254	2,164	499
Eastern MI U.	3,027	1,719	139	434	485	250
Grand Valley State U.	4,414	463	401	0	2,487	1,063
MI State U.	360,852	170,350	42,524	12,255	123,704	12,019
MI Technological U.	55,294	28,193	335	4,507	21,385	874
Northern MI U.	500	143	11	34	273	39
Oakland U.	8,872	5,386	48	669	2,640	129
Saginaw Valley State U.	680	396	1	0	201	82
U. MI all campuses	808,731	577,201	6,850	36,282	145,970	42,428
Wayne State U.	235,186	114,364	12,764	10,992	79,440	17,626
Western MI U.	17,182	10,254	1,242	2,265	2,169	1,252
Private	10,703	5,823	437	955	2,008	1,480
Andrews U.	1,108	321	0	2	356	429
Calvin C.	2,063	600	98	129	1,152	84
Hope C.	2,603	1,432	0	0	305	866
Kalamazoo C.	239	114	0	0	118	7
Kettering U.	2,209	1,583	26	509	0	91
Lawrence Technological U.	2,001	1,546	257	198	0	0
U. Detroit Mercy	480 i	227 i	56 i	117 i	77 i	3 i
Minnesota	636,920	344,093	57,742	30,557	108,734	95,794
Public	628,985	339,212	57,726	30,379	106,891	94,777
MN State U. Mankato	964	203	419	17	96	229
St. Cloud State U.	2,656	885	166	822	783	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
U. MN all campuses	624,149	337,966	56,877	29,432	105,379	94,495
Winona State U.	1,216	158	264	108	633	53
Private	7,935	4,881	16	178	1,843	1,017
Augsburg C.	676	563	0	58	55	0
Carleton C.	1,852	1,417	0	35	125	275
Gustavus Adolphus C.	173	102	0	45	26	0
Macalester C.	2,349	483	0	0	1,561	305
Northwestern Health Sciences U.	1,289	1,289	0	0	0	0
St. Olaf C.	1,060	725	16	0	0	319
U. of St. Thomas (St. Paul, MN)	536	302	0	40	76	118
Mississippi	410,637	268,126	32,198	11,662	92,189	6,462
Public	408,374	266,531	32,198	11,662	92,120	5,863
Alcorn State U.	9,056	7,874	1,182	0	0	0
Jackson State U.	36,888	30,980	0	358	5,550	0
MS State U.	206,207	106,662	29,481	7,496	62,568	0
MS Valley State U.	844	844	0	0	0	0
U. MS all campuses	108,244	77,526	432	1,882	23,116	5,288
U. Southern MS	47,135	42,645	1,103	1,926	886	575
Private	2,263	1,595	0	0	69	599
Millsaps C.	588	588	0	0	0	0
Tougaloo C.	1,675	1,007	0	0	69	599
Missouri	941,445	632,804	35,579	18,286	197,755	57,021
Public	312,312	160,513	20,374	3,997	115,553	11,875
Lincoln U. (Jefferson City, MO)	5,573	4,169	1,404	0	0	0
Southwest MO State U.	9,320	8,740	128	184	0	268
Truman State U.	593	238	12	11	300	32
U. MO-Columbia	228,654	108,328	18,714	1,937	91,203	8,472
U. MO-Kansas City	26,870	16,542	37	365	8,912	1,014
U. MO-Rolla	30,395	18,256	19	1,349	8,945	1,826
U. MO-St. Louis	10,907	4,240	60	151	6,193	263
Private	629,133	472,291	15,205	14,289	82,202	45,146
A.T. Still U. of Health Sciences	826	120	0	3	439	264
Kansas City U. of Medicine and Biosciences	1,267	16	0	149	1,063	39
St. Louis U. all campuses	54,265	47,704	536	412	0	5,613
Washington U. St. Louis	572,775	424,451	14,669	13,725	80,700	39,230
Montana	179,137	114,759	23,348	6,417	32,230	2,383
Public	179,137	114,759	23,348	6,417	32,230	2,383
MT State U. Billings	846	694	46	26	80	0
MT State U. Bozeman	116,999	75,765	19,704	4,989	16,541	0
MT Tech of the U. MT	5,537	4,445	800	292	0	0
U. MT-Missoula, The	55,755	33,855	2,798	1,110	15,609	2,383
Nebraska	364,842	150,054	10,304	23,965	150,939	29,580
Public	336,468	138,338	7,392	14,093	147,556	29,089
U. NE Kearney	1,306	753	423	17	66	47
U. NE Omaha	7,379	3,700	149	537	2,801	192
U. NE Medical Ctr.	111,751	53,506	2,956	6,514	24,706	24,069
U. NE-Lincoln	216,032	80,379	3,864	7,025	119,983	4,781
Private	28,374	11,716	2,912	9,872	3,383	491
Creighton U.	28,374	11,716	2,912	9,872	3,383	491
Nevada	189,096	139,593	9,141	2,492	34,290	3,580

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Public	189,096	139,593	9,141	2,492	34,290	3,580
Desert Research Institute	40,238	30,752	3,396	544	2,548	2,998
U. NV, Las Vegas	53,049	46,128	2,435	461	4,025	0
U. NV, Reno	95,809	62,713	3,310	1,487	27,717	582
New Hampshire	307,074	209,191	8,716	12,138	59,419	17,610
Public	114,228	81,027	4,469	6,105	16,362	6,265
U. NH	114,228	81,027	4,469	6,105	16,362	6,265
Private	192,846	128,164	4,247	6,033	43,057	11,345
Dartmouth C.	192,846	128,164	4,247	6,033	43,057	11,345
New Jersey	864,443	453,313	56,268	35,163	237,086	82,613
Public	644,096	307,699	54,389	28,376	183,194	70,438
C. NJ, The	688	49	33	298	308	0
Montclair State U.	1,341	1,087	8	0	174	72
NJ Institute of Technology	88,699	41,330	5,289	965	29,458	11,657
Rowan U.	4,772	3,102	1,194	113	49	314
Rutgers, The State U. NJ all campuses	311,612	135,933	33,205	9,599	99,216	33,659
U. of Medicine and Dentistry NJ	236,834	126,101	14,640	17,395	53,969	24,729
William Paterson U. NJ	150 i	97 i	20 i	6 i	20 i	7 i
Private	220,347	145,614	1,879	6,787	53,892	12,175
Fairleigh Dickinson U. all campuses	150 i	0 i	12 i	31 i	63 i	44 i
Monmouth U.	1,766	1,762	4	0	0	0
Princeton U.	188,732	119,171	1,332	4,822	52,392	11,015
Rider U.	1,330	321	6	12	755	236
Seton Hall U.	2,685	1,551	0	254	0	880
Stevens Institute of Technology	25,684	22,809	525	1,668	682	0
New Mexico	410,375	293,644	21,896	11,328	78,412	5,095
Public	410,375	293,644	21,896	11,328	78,412	5,095
NM Highlands U.	1,083	782	0	0	0	301
NM Institute of Mining and Technology	83,742	69,050	3,737	5,066	5,839	50
NM State U. main campus	148,120	100,773	16,018	887	29,187	1,255
U. NM main campus	177,430	123,039	2,141	5,375	43,386	3,489
New York	3,964,823	2,445,828	257,080	183,746	779,035	299,134
Public	1,133,494	515,907	134,702	68,286	331,796	82,803
CUNY Baruch C.	1,030	40	615	210	165	0
CUNY Brooklyn C.	4,960	4,207	0	493	260	0
CUNY C. Staten Island	3,494	1,256	1,561	471	206	0
CUNY Graduate Ctr.	4,380	2,431	413	0	65	1,471
CUNY Herbert H. Lehman C.	4,852	3,980	1	420	451	0
CUNY Hunter C.	27,046	15,768	2,376	95	6,717	2,090
CUNY John Jay C. of Criminal Justice	2,259	1,509	61	0	65	624
CUNY Medgar Evers C.	512	495	0	0	17	0
CUNY Queens C.	9,186	7,238	365	1,237	346	0
CUNY The City C.	32,840	21,776	2,150	2,454	5,016	1,444
CUNY York C.	2,550	2,468	0	25	57	0
SUNY Albany	309,221	105,776	67,074	27,704	91,850	16,817
SUNY Binghamton	35,462	13,991	2,095	3,602	10,162	5,612
SUNY Buffalo all campuses	314,837	148,989	14,076	21,281	94,567	35,924
SUNY C. Brockport	1,025	819	89	0	78	39
SUNY C. Buffalo	1,292	810	9	0	329	144
SUNY C. Cortland	480	237	71	65	107	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
SUNY C. Geneseo	1,743	1,310	86	0	324	23
SUNY C. of Environmental Science and Forestry	23,854	7,842	1,982	1,147	12,363	520
SUNY C. of Optometry	2,231	2,164	0	26	11	30
SUNY C. Old Westbury	1,682	1,468	0	27	86	101
SUNY C. Oswego	1,093	903	0	41	115	34
SUNY C. Plattsburgh	1,190	973	4	6	179	28
SUNY Fredonia	318	8	64	0	75	171
SUNY Health Science Ctr. Brooklyn	29,809	23,232	0	1,222	2,974	2,381
SUNY Stony Brook all campuses	268,282	111,241	40,255	4,845	103,122	8,819
SUNY Upstate Medical U.	39,699	27,933	1,355	2,873	1,157	6,381
U.S. Military Academy	8,167	7,043	0	42	932	150
Private	2,831,329	1,929,921	122,378	115,460	447,239	216,331
Adelphi U.	594	594	0	0	0	0
Albany C. of Pharmacy	3,248	250	1,161	1,726	111	0
Albany Medical C.	15,029	9,521	270	755	2,917	1,566
Alfred U. all campuses	5,474	2,002	1,431	1,222	819	0
Bard C.	278 i	278 i	0 i	0 i	0 i	0 i
Barnard C.	2,764	2,511	0	0	46	207
Canisius C.	163	76	0	10	77	0
Clarkson U.	16,976	7,587	2,566	2,853	3,970	0
Colgate U.	2,217	1,283	0	0	752	182
Columbia U. in the City of NY	545,995	459,748	10,981	12,845	44,676	17,745
Cooper Union	171	0	0	78	0	93
Cornell U. all campuses	641,936	367,094	71,223	23,398	116,868	63,353
Daemen C.	529	481	0	48	0	0
Dowling C.	1,566	1,482	0	7	77	0
Fordham U.	5,908	2,268	273	0	2,073	1,294
Hamilton C. (Clinton, NY)	1,907	932	0	13	679	283
Hobart and William Smith Colleges	685	506	61	0	1	117
Hofstra U.	687	515	0	44	62	66
Ithaca C.	1,434	1,226	0	0	208	0
Long Island U. all campuses	2,969 i	2,102 i	200 i	343 i	221 i	103 i
Manhattan C.	527 i	311 i	56 i	160 i	0 i	0 i
Mercy C.	401	401	0	0	0	0
Mt. Sinai School of Medicine	269,451	221,397	4,075	12,331	7,370	24,278
New School, The	7,795	5,922	62	0	0	1,811
NY Institute of Technology all campuses	2,708	865	462	330	1,051	0
NY Medical C.	34,365	26,101	627	6,642	170	825
NY U.	297,867	194,303	4,949	9,340	37,988	51,287
Pace U. all campuses	718	443	0	0	12	263
Polytechnic U.	14,216	6,329	1,535	3,066	2,286	1,000
Rensselaer Polytechnic Institute	77,238	48,924	8,057	5,740	12,632	1,885
Rochester Institute of Technology	20,961	13,225	450	2,437	3,688	1,161
Rockefeller U.	233,917	86,728	205	2,574	133,502	10,908
Sarah Lawrence C.	566	385	0	0	0	181
Siena C.	447 i	415 i	0 i	0 i	0 i	32 i
Skidmore C.	726	369	0	233	124	0
St. John's U. (Jamaica, NY)	1,783	1,478	46	68	44	147
Syracuse U. all campuses	36,396	24,894	2,900	1,406	5,628	1,568
Teachers C. Columbia U.	12,585	7,655	0	0	0	4,930
Union C. (Schenectady, NY)	2,086	647	203	790	431	15
U. Rochester	373,247	280,132	10,585	25,408	37,935	19,187
Vassar C.	600	600	0	0	0	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Yeshiva U.	192,199	147,941	0	1,593	30,821	11,844
North Carolina	1,885,499	1,152,048	145,920	255,749	273,284	58,498
Public	915,369	548,977	115,870	59,884	187,492	3,146
Appalachian State U.	2,912	2,059	113	144	173	423
East Carolina U.	15,970	10,354	2,350	1,929	0	1,337
Elizabeth City State U.	1,892	1,792	100	0	0	0
Fayetteville State U.	1,743	1,527	17	51	0	148
NC Agricultural and Technical State U.	24,044	15,362	51	131	8,500	0
NC Central U.	4,337	4,337	0	0	0	0
NC State U.	331,662	131,056	88,606	41,585	70,022	393
U. NC Asheville	5,202	3,473	1,118	222	79	310
U. NC Chapel Hill	477,231	346,672	19,120	8,670	102,769	0
U. NC Charlotte	22,165	11,887	2,542	6,657	1,079	0
U. NC Greensboro	6,130	5,256	95	243	119	417
U. NC Pembroke	329	319	10	0	0	0
U. NC Wilmington	17,064	11,362	1,207	252	4,243	0
Western Carolina U.	2,602	1,435	541	0	508	118
Winston-Salem State U.	2,086 i	2,086 i	0 i	0 i	0 i	0 i
Private	970,130	603,071	30,050	195,865	85,792	55,352
Davidson C.	852	656	59	137	0	0
Duke U.	781,843	459,122	17,895	181,072	79,872	43,882
Shaw U.	1,826	1,826	0	0	0	0
Wake Forest U.	185,609	141,467	12,096	14,656	5,920	11,470
North Dakota	169,468	90,309	35,409	8,342	30,289	5,119
Public	169,468	90,309	35,409	8,342	30,289	5,119
Mayville State U.	224	224	0	0	0	0
ND State U. all campuses	106,208	45,475	32,791	862	23,183	3,897
U. ND all campuses	63,036	44,610	2,618	7,480	7,106	1,222
Ohio	1,807,038	1,061,089	178,154	172,659	295,365	99,771
Public	1,356,542	693,328	150,369	162,470	268,339	82,036
Air Force Institute of Technology	16,801	6,681	20	26	10,074	0
Bowling Green State U. all campuses	9,120	6,299	65	239	1,873	644
Central State U.	2,320	2,263	41	16	0	0
Cleveland State U.	15,948	5,097	4,269	392	4,739	1,451
Kent State U. all campuses	19,001	9,801	921	1,332	6,947	0
Miami U. all campuses	23,729	8,964	2,082	390	11,500	793
Northeastern OH Universities C. of Medicine	4,984	2,777	98	49	1,777	283
OH State U. all campuses	720,206	313,242	112,272	142,177	102,158	50,357
OH U. all campuses	38,671	18,605	3,075	2,853	11,795	2,343
U. Akron all campuses	27,138	11,210	672	3,239	8,298	3,719
U. Cincinnati all campuses	375,852	253,833	19,225	5,554	77,668	19,572
U. Toledo	52,448	31,863	3,045	2,157	13,569	1,814
Wright State U. all campuses	49,713	22,229	4,530	3,990	17,904	1,060
Youngstown State U.	611	464	54	56	37	0
Private	450,496	367,761	27,785	10,189	27,026	17,735
Case Western Reserve U.	372,374	304,742	21,104	5,772	24,517	16,239
C. Wooster	944	219	0	0	292	433
Denison U.	321	156	0	85	80	0
John Carroll U.	298	293	0	5	0	0
Oberlin C.	773	639	0	112	22	0
OH Wesleyan U.	376	263	0	0	113	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
U. Dayton	74,005	60,089	6,681	4,170	2,002	1,063
Wilberforce U.	1,405	1,360	0	45	0	0
Oklahoma	298,663	136,087	44,663	19,693	83,636	14,584
Public	283,928	128,236	43,681	14,221	83,206	14,584
Langston U.	4,405	3,582	823	0	0	0
Northeastern State U.	554	404	113	0	37	0
OK State U. all campuses	101,112	36,958	27,074	4,227	32,069	784
Southeastern OK State U.	360	332	15	4	9	0
Southwestern OK State U.	266	230	10	26	0	0
U. Central OK	406	308	98	0	0	0
U. OK all campuses	176,825	86,422	15,548	9,964	51,091	13,800
Private	14,735	7,851	982	5,472	430	0
U. Tulsa	14,735	7,851	982	5,472	430	0
Oregon	574,521	408,533	45,754	22,554	68,302	29,378
Public	570,196	406,687	45,549	22,034	67,612	28,314
Eastern OR U.	649	418	5	10	216	0
OR Health & Science U.	287,430	227,441	5,154	14,267	21,846	18,722
OR Institute of Technology	4,155	1,593	2	2,560	0	0
OR State U.	189,368	110,267	38,133	3,274	34,661	3,033
Portland State U.	26,025	17,054	1,788	833	3,300	3,050
Southern OR U.	875	447	31	325	63	9
U. OR	61,694	49,467	436	765	7,526	3,500
Private	4,325	1,846	205	520	690	1,064
Lewis and Clark C.	1,048	586	0	6	185	271
Pacific U.	793	142	44	514	0	93
Reed C.	1,220	658	0	0	188	374
U. Portland	887	373	161	0	27	326
Willamette U.	377	87	0	0	290	0
Pennsylvania	2,438,312	1,690,554	120,154	183,123	305,525	138,956
Public	1,298,753	868,827	86,495	109,497	199,746	34,188
Cheyney U. PA	274	166	108	0	0	0
Indiana U. PA all campuses	410	246	10	3	122	29
Lincoln U. (Lincoln University, PA)	450	450	0	0	0	0
Millersville U. PA	753	668	85	0	0	0
PA State U. all campuses	652,144	370,789	69,662	93,535	116,041	2,117
Temple U.	85,394	54,452	6,018	5,806	13,747	5,371
U. Pittsburgh all campuses	558,566	441,357	10,561	10,153	69,836	26,659
West Chester U. PA	762	699	51	0	0	12
Private	1,139,559	821,727	33,659	73,626	105,779	104,768
Allegheny C.	787	278	48	0	279	182
Arcadia U.	2,450	426	327	1,697	0	0
Bryn Mawr C.	3,881	1,222	13	7	2,639	0
Bucknell U.	1,744	958	42	431	310	3
Carnegie Mellon U.	197,143	168,486	4,088	12,980	5,371	6,218
Dickinson C.	1,076	312	146	445	173	0
Drexel U.	96,575	66,795	4,047	2,403	18,025	5,305
Duquesne U.	8,850	3,856	107	50	4,646	191
Franklin & Marshall C.	1,993	909	219	0	586	279
Gettysburg C.	427	315	0	39	73	0
Haverford C.	1,182	622	0	0	95	465
Juniata C.	332	181	8	143	0	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
La Salle U.	2,758	2,598	4	0	131	25
Lafayette C.	1,472	826	23	0	623	0
Lehigh U.	36,537	22,116	8,691	2,154	3,102	474
Mercyhurst C.	767	347	145	34	241	0
Muhlenberg C.	511	384	0	0	19	108
PA C. of Optometry	1,587	1,500	49	6	0	32
Philadelphia C. of Osteopathic Medicine	1,754	560	14	37	883	260
Philadelphia U.	848	776	72	0	0	0
St. Francis U. (Loretto, PA)	3,677	3,677	0	0	0	0
St. Joseph's U.	2,930	2,403	35	0	140	352
Swarthmore C.	1,449	741	0	0	474	234
Thomas Jefferson U.	107,288	81,545	6,684	9,153	4,564	5,342
U. PA	648,247	449,687	7,542	42,427	63,310	85,281
U. Scranton	600	272	204	29	95	0
U. of the Sciences Philadelphia	1,449	478	171	800	0	0
Ursinus C.	472	272	165	18	0	17
Villanova U.	10,473	9,077	661	735	0	0
Wilkes U.	300	108	154	38	0	0
Rhode Island	230,281	148,857	8,094	6,584	62,576	4,170
Public	76,237	52,561	7,703	3,383	12,590	0
U. RI	76,237	52,561	7,703	3,383	12,590	0
Private	154,044	96,296	391	3,201	49,986	4,170
Brown U.	152,619	95,023	391	3,108	49,938	4,159
Providence C.	558	483	0	16	48	11
Roger Williams U. Bristol	867	790	0	77	0	0
South Carolina	569,015	254,995	45,462	27,525	218,077	22,956
Public	565,440	251,783	45,437	27,525	218,077	22,618
Clemson U.	211,760	53,905	40,140	12,424	98,858	6,433
Coastal Carolina U.	1,095	818	88	0	135	54
C. Charleston	5,308	4,071	56	0	1,117	64
Medical U. SC	184,624	101,402	1,398	11,935	65,003	4,886
SC State U.	3,796	2,587	33	0	364	812
U. SC all campuses	158,857	89,000	3,722	3,166	52,600	10,369
Private	3,575	3,212	25	0	0	338
Benedict C.	1,604	1,573	25	0	0	6
Claffin U.	929 i	864 i	0 i	0 i	0 i	65 i
Furman U.	1,042	775	0	0	0	267
South Dakota	81,544	50,516	14,005	2,031	4,908	10,084
Public	79,824	48,888	14,005	2,031	4,825	10,075
Black Hills State U.	2,935	2,409	353	19	34	120
Oglala Lakota C.	1,903	1,835	0	0	0	68
SD School of Mines and Technology	14,480	11,232	874	233	1,280	861
SD State U.	39,033	16,729	10,595	1,779	2,331	7,599
U. SD	21,473	16,683	2,183	0	1,180	1,427
Private	1,720	1,628	0	0	83	9
Augustana C. (Sioux Falls, SD)	807	798	0	0	0	9
Sinte Gleska U.	913	830	0	0	83	0
Tennessee	761,388	515,064	53,248	24,387	128,108	40,581
Public	322,399	165,189	52,877	17,841	71,778	14,714
East TN State U.	8,020	4,864	1,514	0	174	1,468

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Middle TN State U.	2,135	1,011	102	86	813	123
TN State U.	12,475	8,475	30	85	3,885	0
TN Technological U.	12,226	6,076	4,266	249	1,524	111
U. Memphis, The	44,359	17,765	3,070	582	21,980	962
U. TN Chattanooga	5,532	1,690	732	369	2,219	522
U. TN Martin	1,164	60	5	40	1,056	3
U. TN system office	236,488	125,248	43,158	16,430	40,127	11,525
Private	438,989	349,875	371	6,546	56,330	25,867
Fisk U.	6,000	6,000	0	0	0	0
Meharry Medical C.	33,218	31,263	0	0	0	1,955
Rhodes C.	432	421	0	11	0	0
U. of the South	190	13	1	0	31	145
Vanderbilt U.	399,149	312,178	370	6,535	56,299	23,767
Texas	3,415,419	1,842,323	430,984	203,112	575,926	363,074
Public	2,878,570	1,507,000	426,082	179,036	497,332	269,120
Angelo State U.	678	45	109	0	450	74
Lamar U.	3,695	1,925	1,579	21	22	148
Prairie View A&M U.	12,019	9,217	1,815	108	879	0
Sam Houston State U.	2,500	1,923	367	22	159	29
Stephen F. Austin State U.	6,957	3,285	1,410	150	1,729	383
Sul Ross State U.	3,056	1,632	394	0	350	680
Tarleton State U.	9,151	4,852	3,475	172	652	0
TX A&M U.	543,888	228,363	121,498	36,465	146,757	10,805
TX A&M U. Commerce	1,616	305	345	723	73	170
TX A&M U. Corpus Christi	11,933	6,609	2,908	86	260	2,070
TX A&M U. Kingsville	13,794	5,067	1,066	199	6,767	695
TX A&M U. System Health Science Ctr.	77,957	35,004	1,378	4,551	23,939	13,085
TX Southern U.	3,688	3,651	0	20	0	17
TX State U. San Marcos	7,890	2,528	2,913	241	1,397	811
TX Tech U.	57,878	22,874	16,978	4,034	10,744	3,248
TX Tech U. Health Science Ctr.	21,006	8,765	836	1,710	7,720	1,975
TX Woman's U.	2,047	755	591	11	521	169
U. Houston	73,542	40,116	7,466	3,125	18,146	4,689
U. Houston-Clear Lake	851	159	581	0	12	99
U. Houston-Downtown	175	123	43	0	7	2
U. North TX	14,207	7,192	41	655	5,064	1,255
U. North TX Health Science Ctr. Ft. Worth	28,187	19,203	1,452	807	4,704	2,021
U. TX Arlington	32,734	19,774	1,916	4,625	6,419	0
U. TX Austin	446,765	289,331	22,120	35,593	76,412	23,309
U. TX Dallas	46,477	17,783	15,319	4,140	2,297	6,938
U. TX El Paso	39,965	21,018	12,274	4,061	2,612	0
U. TX Health Science Ctr. Houston	191,724	131,879	13,256	7,861	19,591	19,137
U. TX Health Science Ctr. San Antonio	160,282	95,610	5,846	8,622	36,102	14,102
U. TX M. D. Anderson Cancer Ctr.	496,539	190,508	131,884	34,308	78,752	61,087
U. TX Medical Branch	183,492	118,173	7,425	6,659	30,810	20,425
U. TX of the Permian Basin	995	147	145	6	649	48
U. TX San Antonio	30,542	20,545	7,858	636	1,503	0
U. TX Southwestern Medical Ctr. Dallas	341,090	191,687	37,687	19,036	11,678	81,002
U. TX Tyler	1,395	937	77	54	120	207
U. TX-Pan American	5,217	3,457	1,583	53	35	89
West TX A&M U.	4,638	2,558	1,447	282	0	351
Private	536,849	335,323	4,902	24,076	78,594	93,954
Abilene Christian U.	269	194	0	1	36	38

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Baylor C. of Medicine	438,280	263,146	2,801	18,383	66,790	87,160
Baylor U.	8,951	2,829	846	1,873	2,444	959
LeTourneau U.	405	189	0	96	12	108
Rice U.	69,772	54,301	967	2,260	7,288	4,956
Southern Methodist U.	13,381	10,304	126	300	1,918	733
St. Mary's U. (San Antonio, TX)	623	623	0	0	0	0
TX Christian U.	3,924	3,022	162	647	93	0
Trinity U.	1,244	715	0	516	13	0
Utah	412,512	281,785	25,553	18,419	68,860	17,895
Public	385,859	264,667	24,388	14,121	66,051	16,632
U. UT	247,794	174,719	2,085	10,802	47,613	12,575
UT State U.	138,065	89,948	22,303	3,319	18,438	4,057
Private	26,653	17,118	1,165	4,298	2,809	1,263
Brigham Young U. all campuses	26,653	17,118	1,165	4,298	2,809	1,263
Vermont	115,025	91,646	385	6,051	16,242	701
Public	113,195	90,049	381	6,000	16,102	663
U. VT	113,195	90,049	381	6,000	16,102	663
Private	1,830	1,597	4	51	140	38
Middlebury C.	1,830	1,597	4	51	140	38
Virginia	971,905	579,775	127,766	40,365	174,143	49,856
Public	913,318	533,568	127,428	36,637	172,829	42,856
Christopher Newport U.	709	596	61	52	0	0
C. of William and Mary all campuses	49,854	25,983	3,333	1,097	17,222	2,219
George Mason U.	58,252	46,588	563	1,610	4,628	4,863
James Madison U.	5,455	3,809	92	0	570	984
Norfolk State U.	6,491	5,998	11	0	0	482
Old Dominion U.	52,134	25,694	4,399	2,651	19,390	0
U. VA all campuses	230,181	198,274	477	3,891	16,986	10,553
VA Commonwealth U.	134,453	90,137	7,989	9,782	20,915	5,630
VA Military Institute	659	89	25	444	41	60
VA Polytechnic Institute and State U.	366,960	128,796	110,292	17,110	92,708	18,054
VA State U.	8,170	7,604	186	0	369	11
Private	58,587	46,207	338	3,728	1,314	7,000
Eastern VA Medical School	31,453	20,620	326	3,107	476	6,924
Hampton U.	24,017	23,836	0	0	181	0
Roanoke C.	402	26	12	0	364	0
Sweet Briar C.	428	151	0	0	208	69
U. Richmond	1,958	1,328	0	538	85	7
Washington and Lee U.	329	246	0	83	0	0
Washington	980,970	706,265	47,031	71,683	125,592	30,399
Public	978,474	704,631	47,015	71,461	125,261	30,106
Central WA U.	2,431	1,909	56	77	241	148
Eastern WA U.	2,136	384	1,391	0	125	236
Evergreen State C.	739	548	0	0	0	191
U. WA	756,787	620,375	10,692	63,560	41,650	20,510
WA State U.	210,010	78,505	34,476	7,768	80,457	8,804
Western WA U.	6,371	2,910	400	56	2,788	217
Private	2,496	1,634	16	222	331	293
Heritage U. (Toppenish, WA)	210	210	0	0	0	0
Pacific Lutheran U.	547	251	0	178	118	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Seattle Pacific U.	150 i	10 i	16 i	23 i	58 i	43 i
Seattle U.	837 i	505 i	0 i	21 i	148 i	163 i
U. Puget Sound	453	381	0	0	7	65
Whitman C.	299	277	0	0	0	22
West Virginia	167,208	92,586	7,393	5,552	59,648	2,029
Public	160,203	86,612	7,327	5,526	59,648	1,090
Bluefield State C.	401	396	0	0	0	5
Marshall U.	22,519	18,412	1,731	179	1,939	258
West Liberty State C.	579	310	219	0	50	0
WV School of Osteopathic Medicine	349	0	0	0	349	0
WV State U.	2,765	1,795	954	16	0	0
WV U.	133,590	65,699	4,423	5,331	57,310	827
Private	7,005	5,974	66	26	0	939
Wheeling Jesuit U.	7,005	5,974	66	26	0	939
Wisconsin	1,066,688	611,016	39,562	31,346	289,984	94,780
Public	894,732	495,587	38,777	26,860	254,489	79,019
U. WI Eau Claire	1,327	804	14	14	109	386
U. WI Green Bay	1,031	687	41	190	91	22
U. WI La Crosse	3,414	2,147	372	346	348	201
U. WI Madison	840,672	469,076	32,780	25,090	238,934	74,792
U. WI Milwaukee	40,023	18,368	5,054	1,076	13,540	1,985
U. WI Oshkosh	1,059	690	47	17	150	155
U. WI Parkside	218	84	15	19	53	47
U. WI Platteville	540	46	175	12	212	95
U. WI River Falls	287	150	29	9	64	35
U. WI Stevens Point	3,077	1,112	192	39	649	1,085
U. WI Stout	360	175	58	5	117	5
U. WI Superior	2,501	2,068	0	43	197	193
U. WI Whitewater	223	180	0	0	25	18
Private	171,956	115,429	785	4,486	35,495	15,761
Lawrence U.	301	254	0	0	47	0
Marquette U.	9,744	6,842	84	332	1,533	953
Medical C. WI	158,171	107,200	685	1,932	33,606	14,748
Milwaukee School of Engineering	3,740	1,133	16	2,222	309	60
Wyoming	79,700	25,537	6,131	2,326	42,839	2,867
Public	79,700	25,537	6,131	2,326	42,839	2,867
U. WY	79,700	25,537	6,131	2,326	42,839	2,867
Guam	7,059	6,867	54	138	0	0
Public	7,059	6,867	54	138	0	0
U. GU	7,059	6,867	54	138	0	0
Puerto Rico	106,852	81,399	6,577	3,862	12,190	2,824
Public	85,686	64,574	4,343	2,583	11,363	2,823
U. PR Cayey	411	411	0	0	0	0
U. PR Humacao	5,220	4,930	120	150	20	0
U. PR Mayaguez Campus	19,813	11,164	2,498	554	2,837	2,760
U. PR Medical Sciences Campus	38,863	31,955	1,724	1,872	3,271	41
U. PR Rio Piedras Campus	21,379	16,114	1	7	5,235	22
Private	21,166	16,825	2,234	1,279	827	1
Carlos Albizu U. (San Juan, PR)	418	202	0	0	216	0

TABLE 27. R&D expenditures at universities and colleges, by state, control, institution, and source of funds: FY 2007
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
Polytechnic U. PR	1,127	285	629	0	213	0
Ponce School of Medicine	9,103	6,594	1,230	1,279	0	0
Universidad Central del Caribe	9,446	8,672	375	0	398	1
Universidad del Este	407	407	0	0	0	0
Universidad del Turabo	417	417	0	0	0	0
Universidad Metropolitana	248	248	0	0	0	0
Virgin Islands	17,842	12,561	2,658	2,623	0	0
Public	17,842	12,561	2,658	2,623	0	0
U. of the VI	17,842	12,561	2,658	2,623	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
United States	49,430,767	2,725,120	29,763,889	1,988,431	3,842,391	863,358	1,781,410	949,278	7,516,890
Public	33,538,024	2,211,721	19,199,259	1,267,897	2,636,383	639,741	1,422,247	771,877	5,388,899
Private	15,892,743	513,399	10,564,630	720,534	1,206,008	223,617	359,163	177,401	2,127,991
Alabama	655,245	19,141	452,398	22,421	26,917	7,027	13,790	14,277	99,274
Public	640,719	19,141	442,647	22,385	26,477	7,027	10,924	14,277	97,841
AL A&M U.	13,672	0	7,900	0	2,600	0	1	2,389	782
AL State U.	1,900	0	1,612	215	0	0	73	0	0
Auburn U. all campuses	140,629	2,307	75,450	232	5,498	899	5,918	11,738	38,587
Jacksonville State U.	523	159	364	0	0	0	0	0	0
Troy U. main campus	246	0	61	23	158	0	4	0	0
U. AL, The	36,382	1,377	4,243	7,705	3,845	1,685	2,163	150	15,214
U. AL Birmingham, The	351,457	0	333,758	2,801	4,399	3,199	377	0	6,923
U. AL Huntsville, The	70,027	11,470	1,161	11,179	9,368	658	1,481	0	34,710
U. South AL	25,883	3,828	18,098	230	609	586	907	0	1,625
Private	14,526	0	9,751	36	440	0	2,866	0	1,433
Miles C.	197	0	8	36	153	0	0	0	0
Tuskegee U.	14,329	0	9,743	0	287	0	2,866	0	1,433
Alaska	159,991	81,215	36,708	6,176	166	327	2,789	12,752	19,858
Public	159,991	81,215	36,708	6,176	166	327	2,789	12,752	19,858
U. AK Anchorage all campuses	7,122	924	2,896	0	115	50	1,886	552	699
U. AK Fairbanks all campuses	151,782 e	80,102 i	33,230 i	6,176 i	1 i	277 i	877 i	11,960 i	19,159 i
U. AK Southeast all campuses	1,087	189	582	0	50	0	26	240	0
Arizona	782,671	31,467	346,791	25,104	170,229	16,979	41,273	5,806	145,022
Public	782,671	31,467	346,791	25,104	170,229	16,979	41,273	5,806	145,022
AZ State U.	224,352	13,553	53,252	18,129	16,249	11,263	20,536	5,712	85,658
Northern AZ U.	26,566	4,649	18,327	151	1,155	71	990	94	1,129
U. AZ	531,753	13,265	275,212	6,824	152,825	5,645	19,747	0	58,235
Arkansas	240,406	3,685	180,437	3,514	19,110	1,394	8,170	453	23,643
Public	240,031	3,678	180,352	3,514	18,903	1,394	8,170	453	23,567
AR State U. main campus	7,494	0	3,041	49	4,184	42	26	2	150
AR Tech U.	327 i	154 i	79 i	0 i	0 i	0 i	0 i	80 i	14 i
U. AR for Medical Sciences	108,551	0	108,551	0	0	0	0	0	0
U. AR Little Rock	9,683 i	250 i	1,114 i	2,354 i	470 i	722 i	3,974 i	0 i	799 i
U. AR main campus	101,109	2,116	59,797	502	13,241	435	3,630	0	21,388
U. AR Pine Bluff	5,831	0	5,646	0	170	0	4	11	0
U. Central AR	7,036	1,158 i	2,124 i	609 i	838 i	195 i	536 i	360 i	1,216 i

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	375	7	85	0	207	0	0	0	76
Hendrix C.	375	7	85	0	207	0	0	0	76
California	6,732,672	390,044	4,134,680	289,978	667,796	96,636	192,200	134,413	826,925
Public	4,785,044	329,959	2,908,428	161,082	422,675	77,703	168,926	132,228	584,043
CA State Polytechnic U. Pomona	2,466	8	2,402	0	0	0	0	11	45
CA State Polytechnic U. San Luis Obispo	14,517	3,939	4,032	1,400	404	8	65	2,632	2,037
CA State U. Bakersfield	1,833	358	563	203	610	0	99	0	0
CA State U. Chico	2,814 i	402 i	1,134 i	149 i	149 i	9 i	198 i	0 i	773 i
CA State U. Dominguez Hills	6,016	5	806	4,070	330	107	698	0	0
CA State U. East Bay	3,509	520	1,738	369	310	94	332	128	18
CA State U. Fresno	5,297	52 i	4,572 i	5 i	230 i	377 i	40 i	0 i	21 i
CA State U. Fullerton	4,311	435	2,109	0	134	24	1,430	105	74
CA State U. Long Beach	13,867	233	3,028	169	1,274	1,193	54	537	7,379
CA State U. Los Angeles	10,053	740	4,456	232	2,820	171	152	0	1,482
CA State U. Monterey Bay	7,032	6,482	545	5	0	0	0	0	0
CA State U. Northridge	12,412	1,046	1,075	1,074	2,090	3,814	197	1,986	1,130
CA State U. Sacramento	183	0	0	0	0	0	0	0	183
CA State U. San Bernardino	8,323	230	528	546	548	4,454	215	1,467	335
Humboldt State U.	7,087	363	4,223	437	4	0	964	0	1,096
Naval Postgraduate School	63,392	16,684	0	12,560	5,478	0	4,835	11,981	11,854
San Diego State U.	65,810	3,775	23,791	1,923	3,940	11,055	5,913	3,849	11,564
San Francisco State U.	20,069	6,892	5,944	162	2,935	1,658	2,236	0	242
San Jose State U.	34,241	16,678	591	1,833	2,831	7,910	332	1,322	2,744
Sonoma State U.	408	5	303	0	14	17	57	1	11
U. CA Office of the President	118,910	16,990	52,342	2,294	19,775	0	175	27,048	286
U. CA, Berkeley	552,365	10,574	174,792	7,876	96,153	10,268	54,474	45,476	152,752
U. CA, Davis	600,508	28,464	441,417	10,557	23,445	2,849	22,074	6,068	65,634
U. CA, Irvine	309,554	5,492	207,120	13,874	33,047	4,279	10,551	1,238	33,953
U. CA, Los Angeles	823,083	10,083	612,248	21,444	64,325	11,718	36,093	14,572	52,600
U. CA, Merced	10,945	1,083	2,891	362	1,774	0	912	0	3,923
U. CA, Riverside	128,243	15,074	68,274	3,355	8,390	2,517	2,332	1,585	26,716
U. CA, San Diego	798,896	132,814	446,301	59,555	51,646	7,799	11,522	1,382	87,877
U. CA, San Francisco	842,840	0	820,239	0	22,601	0	0	0	0
U. CA, Santa Barbara	191,204	28,111	6,338	12,966	35,468	5,692	8,266	10,585	83,778
U. CA, Santa Cruz	124,856	22,427	14,626	3,662	41,950	1,690	4,710	255	35,536
Private	1,947,628	60,085	1,226,252	128,896	245,121	18,933	23,274	2,185	242,882
CA Institute of Technology	285,488	16,044	47,522	12,519	162,934	0	0	135	46,334
Chapman U.	706	23	266	42	96	0	202	77	0

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Charles R. Drew U. of Medicine and Science	52,118	0	52,118	0	0	0	0	0	0
Claremont Graduate U.	3,121	0	0	697	0	1,660	764	0	0
Claremont McKenna C.	678 i	39 i	253 i	46 i	115 i	47 i	50 i	16 i	112 i
Fuller Theological Seminary CA	780	0	0	0	0	780	0	0	0
Harvey Mudd C.	2,739	0	251	610	687	0	0	651	540
Loma Linda U.	28,020	0	27,887	0	0	0	133	0	0
Loyola Marymount U.	1,597	106	245	204	158	401	53	0	430
Mills C.	575 i	44 i	140 i	62 i	217 i	21 i	21 i	27 i	43 i
Mt. St. Mary's C. (Los Angeles, CA)	515	0	454	0	61	0	0	0	0
Occidental C.	1,652	181	360	38	549	31	296	197	0
Pitzer C.	268	0	4	62	0	72	130	0	0
Point Loma Nazarene C.	358	10	268	0	80	0	0	0	0
Pomona C.	3,108	50	1,011	229	651	824	343	0	0
Santa Clara U.	1,736 i	47 i	1,203 i	79 i	151 i	25 i	25 i	11 i	195 i
Scripps Research Institute, The	360,511	0	360,511	0	0	0	0	0	0
Stanford U.	687,511	23,208	407,985	27,490	64,642	7,983	13,407	0	142,796
U. Redlands	1,206	1,120	29	0	57	0	0	0	0
U. San Diego	667	163	284	0	217	0	0	0	3
U. San Francisco	1,096	272	158	57	243	265	100	1	0
U. Southern CA	508,138	18,778	321,959	86,719	13,972	6,824	7,716	1,070	51,100
U. of the Pacific	4,131	0	2,435	42	291	0	34	0	1,329
Western U. of Health Sciences	909	0	909	0	0	0	0	0	0
Colorado	872,576	187,262	415,996	16,949	89,022	20,808	12,075	34,008	96,456
Public	862,743	187,262	413,634	16,651	86,879	18,307	11,958	34,008	94,044
CO School of Mines	29,939	1,935	0	277	6,514	0	37	4,983	16,193
CO State U.	288,497	94,391	117,891	4,621	11,710	2,723	3,922	25,957	27,282
CO State U. Pueblo	151	0	86	0	62	0	3	0	0
Ft. Lewis C.	243	4	141	0	87	0	11	0	0
U.S. Air Force Academy	14,504	0	330	713	2,760	354	700	1,836	7,811
U. CO Boulder	259,624	90,720	35,125	8,945	62,563	13,742	6,516	974	41,039
U. CO Colorado Springs	6,383	26	479	1,338	2,418	849	52	0	1,221
U. CO at Denver and Health Sciences Ctr.	261,580	143	258,970	510	248	638	573	0	498
U. Northern CO	1,822	43	612	247	517	1	144	258	0
Private	9,833	0	2,362	298	2,143	2,501	117	0	2,412
U. Denver	9,833	0	2,362	298	2,143	2,501	117	0	2,412
Connecticut	691,408	13,404	563,875	8,778	34,067	23,661	10,058	5,148	32,417
Public	228,464	8,538	162,125	3,396	8,850	16,398	6,635	4,822	17,700

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Central CT State U.	523	0	201	0	170	0	152	0	0
Southern CT State U.	1,918	0	0	0	436	550	732	200	0
U.S. Coast Guard Academy	1,020	52	0	0	40	0	12	0	916
U. CT all campuses	224,679	8,486	161,722	3,395	8,085	15,848	5,737	4,622	16,784
Western CT State U.	324	0	202	1	119	0	2	0	0
Private	462,944	4,866	401,750	5,382	25,217	7,263	3,423	326	14,717
CT C.	1,020	0	284	17	570	120	29	0	0
Fairfield U.	2,148	6	734	108	476	202	499	0	123
Trinity C. (Hartford, CT)	951	1	283	62	403	0	17	103	82
U. Hartford	1,923	0	27	204	17	0	328	0	1,347
U. New Haven	353	52	0	0	44	0	0	223	34
Wesleyan U.	7,878	342	3,358	163	2,740	1,006	269	0	0
Yale U.	448,671	4,465	397,064	4,828	20,967	5,935	2,281	0	13,131
Delaware	125,663	12,688	33,415	4,250	16,767	3,381	6,490	5,491	43,181
Public	125,663	12,688	33,415	4,250	16,767	3,381	6,490	5,491	43,181
DE State U.	7,418	300	4,250	611	1,610	15	0	489	143
U. DE	118,245	12,388	29,165	3,639	15,157	3,366	6,490	5,002	43,038
District of Columbia	327,232	154	202,355	53,732	27,272	7,000	17,862	1,954	16,903
Public	5,165	151	2,224	0	477	0	1,228	6	1,079
U. DC	5,165	151	2,224	0	477	0	1,228	6	1,079
Private	322,067	3	200,131	53,732	26,795	7,000	16,634	1,948	15,824
American U.	2,713	0	128	80	569	330	1,578	28	0
Catholic U. America, The	19,919	0	1,616	0	16,309	332	234	0	1,428
Gallaudet U.	3,520	0	411	0	46	3,003	60	0	0
George Washington U.	126,110	3	49,146	53,164	3,690	2,153	7,390	815	9,749
Georgetown U.	131,785	0	120,423	267	2,541	1,182	7,372	0	0
Howard U.	38,020	0	28,407	221	3,640	0	0	1,105	4,647
Florida	1,545,825	144,880	836,823	34,061	149,288	47,733	54,959	45,952	232,129
Public	1,313,063	89,457	687,382	32,943	144,372	39,213	53,339	40,918	225,439
FL A&M U.	16,541	2,751	8,733	254	1,646	62	0	176	2,919
FL Atlantic U.	26,769	1,158	6,310	2,615	1,594	943	991	2,879	10,279
FL Gulf Coast U.	3,479	2,055	1,017	7	288	0	0	112	0
FL International U.	90,903	5,032	25,765	5,913	6,537	1,943	6,313	18,904	20,496
FL State U.	189,565	22,816	30,293	11,111	58,626	16,759	17,037	219	32,704
U. Central FL	111,595	16,494	5,597	768	38,035	1,480	1,948	18,202	29,071
U. FL	592,835	10,113	418,136	9,768	30,751	13,071	16,701	0	94,295
U. North FL	3,875	6	1,068	128	1,281	84	351	0	957

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. South FL	272,661	29,032	188,046	861	5,585	4,816	9,544	426	34,351
U. West FL	4,840	0	2,417	1,518	29	55	454	0	367
Private	232,762	55,423	149,441	1,118	4,916	8,520	1,620	5,034	6,690
Edward Waters C.	150 i	10 i	56 i	8 i	27 i	9 i	12 i	8 i	20 i
Embry-Riddle Aeronautical U.	7,930	567	0	0	476	0	15	4,936	1,936
FL Institute of Technology	6,985	1,380	1,209	644	2,048	69	0	0	1,635
Jacksonville U.	466	0	317	0	0	0	50	0	99
Nova Southeastern U.	6,697	4,120	1,796	0	0	691	0	90	0
U. Miami	210,534	49,346	146,063	466	2,365	7,751	1,543	0	3,000
Georgia	1,388,976	31,656	740,963	74,317	83,302	28,148	76,877	7,744	345,969
Public	926,642	31,629	338,900	71,762	61,248	25,177	71,438	7,000	319,488
Albany State U.	1,331	261	0	118	0	0	0	0	952
Ft. Valley State U.	2,610	0	2,610	0	0	0	0	0	0
GA Institute of Technology all campuses	472,591	15,847	19,675	60,826	36,562	5,447	18,880	5,368	309,986
GA Southern U.	1,789	349	1,032	146	262	0	0	0	0
GA State U.	51,387	294	22,473	1,386	8,418	4,772	12,571	1,473	0
Kennesaw State U.	548	0	433	104	11	0	0	0	0
Medical C. GA	60,001	0	60,001	0	0	0	0	0	0
Savannah State U.	2,301	907	396	407	0	0	0	0	591
Southern Polytechnic State U.	300	0	0	56	6	0	0	159	79
U. GA	332,612	13,491	231,955	8,686	15,685	14,958	39,957	0	7,880
U. West GA	1,172	480	325	33	304	0	30	0	0
Private	462,334	27	402,063	2,555	22,054	2,971	5,439	744	26,481
Berry C.	240 i	27 i	86 i	43 i	14 i	70 i	0 i	0 i	0 i
Clark Atlanta U.	8,543	0	3,903	999	3,126	49	37	50	379
Emory U.	398,383	0	362,271	1,075	17,198	2,377	3,101	694	11,667
Mercer U. all campuses	18,096	0	3,590	0	70	0	1	0	14,435
Morehouse C.	5,445	0	1,686	61	953	466	2,279	0	0
Morehouse School of Medicine	27,886	0	27,886	0	0	0	0	0	0
Spelman C.	3,741	0	2,641	377	693	9	21	0	0
Hawaii	274,373	67,828	95,274	34,181	40,402	997	6,391	20,040	9,260
Public	274,373	67,828	95,274	34,181	40,402	997	6,391	20,040	9,260
U. HI Hilo	7,926	2,151	4,756	0	278	134	37	570	0
U. HI Manoa	266,447	65,677	90,518	34,181	40,124	863	6,354	19,470	9,260
Idaho	114,224	7,466	63,352	2,366	10,616	32	4,729	4,365	21,298
Public	114,224	7,466	63,352	2,366	10,616	32	4,729	4,365	21,298
Boise State U.	10,947	1,083	3,715	59	544	6	558	0	4,982

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
ID State U.	19,887	1,781	6,948	614	6,724	8	733	1,519	1,560
U. ID	83,390	4,602	52,689	1,693	3,348	18	3,438	2,846	14,756
Illinois	1,867,003	54,310	1,164,804	129,565	160,067	38,019	51,915	31,631	236,692
Public	937,615	45,690	474,840	95,724	80,332	22,134	37,428	19,613	161,854
Chicago State U.	2,124	0	0	0	0	0	0	2,124	0
Eastern IL U.	885	210	452	13	117	71	12	8	2
Governors State U.	1,336	0	1,232	104	0	0	0	0	0
IL State U.	4,831	97	3,212	57	978	50	300	137	0
Northeastern IL U.	1,005	19	30	56	160	146	405	189	0
Northern IL U.	16,710	2,092	3,380	598	4,949	2,029	559	0	3,103
Southern IL U. Carbondale	64,703	1,322	41,002	795	3,535	1,189	2,943	2,981	10,936
Southern IL U. Edwardsville	26,904	1,961	17,982	765	1,376	0	299	1,908	2,613
U. IL Chicago	342,421	1,252	268,553	15,432	12,008	5,926	10,471	8,533	20,246
U. IL Springfield	1,321	2	22	104	35	0	1,142	16	0
U. IL Urbana-Champaign	473,890	38,715	138,193	77,798	56,747	12,723	21,043	3,717	124,954
Western IL U.	1,485	20	782	2	427	0	254	0	0
Private	929,388	8,620	689,964	33,841	79,735	15,885	14,487	12,018	74,838
Augustana C. (Rock Island, IL)	212 i	56 i	52 i	0 i	0 i	0 i	0 i	104 i	0 i
Bradley U.	1,860	0	175	119	267	1	17	0	1,281
DePaul U.	2,839	97	79	990	132	1,448	59	34	0
IL Institute of Technology	22,955	0	9,462	2,296	3,561	920	0	0	6,716
IL Wesleyan U.	856	0	77	0	399	307	73	0	0
Lake Forest C.	386	0	130	42	90	32	92	0	0
Loyola U. Chicago	34,940	0	33,473	0	336	714	417	0	0
Midwestern U. (Chicago, IL)	2,358	0	2,358	0	0	0	0	0	0
National U. of Health Sciences	580	0	580	0	0	0	0	0	0
Northwestern U.	443,345	2,053	316,703	4,170	28,268	3,820	9,610	11,880	66,841
Rosalind Franklin U. of Medicine and Science	12,199	0	11,468	0	0	731	0	0	0
Rush U.	84,370	0	82,539	0	0	1,831	0	0	0
U. Chicago	322,488	6,414	232,868	26,224	46,682	6,081	4,219	0	0
Indiana	801,930	9,980	407,211	34,335	83,203	19,937	49,409	21,437	176,418
Public	719,763	9,960	390,139	29,468	61,633	16,058	44,405	9,658	158,442
Ball State U.	7,913	443	4,055	1,081	312	31	1,206	510	275
IN State U. all campuses	1,697	304	487	0	171	488	247	0	0
IN U. all campuses	294,981	3,666	202,703	12,918	32,124	11,803	23,789	3,314	4,664
Purdue U. all campuses	415,172	5,547	182,894	15,469	29,026	3,736	19,163	5,834	153,503
Private	82,167	20	17,072	4,867	21,570	3,879	5,004	11,779	17,976

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
DePauw U.	221 i	20 i	52 i	14 i	66 i	11 i	4 i	20 i	34 i
Rose-Hulman Institute of Technology	3,271	0	0	906	705	0	0	0	1,660
U. of Notre Dame	77,467	0	16,863	3,797	19,978	3,854	4,999	11,737	16,239
Valparaiso U.	763	0	58	68	583	11	0	0	43
Wabash C.	445	0	99	82	238	3	1	22	0
Iowa	586,786	9,229	398,787	16,688	32,788	9,074	25,642	5,401	89,177
Public	583,856	9,198	397,392	16,336	32,162	8,957	25,533	5,101	89,177
IA State U.	217,158	7,051	111,538	13,558	11,026	855	17,234	3,542	52,354
U. IA	363,243	1,723	284,969	2,610	20,462	8,102	7,932	622	36,823
U. Northern IA	3,455	424	885	168	674	0	367	937	0
Private	2,930	31	1,395	352	626	117	109	300	0
Coe C.	445	0	52	0	285	0	0	108	0
Des Moines U.	796	0	796	0	0	0	0	0	0
Drake U.	622	31	130	11	222	17	19	192	0
Grinnell C.	787	0	137	341	119	100	90	0	0
Maharishi U. of Management	280	0	280	0	0	0	0	0	0
Kansas	375,960	14,734	233,676	4,584	19,764	4,171	16,280	7,395	75,356
Public	375,960	14,734	233,676	4,584	19,764	4,171	16,280	7,395	75,356
KS State U.	123,900	442	81,631	2,614	8,495	907	4,704	5,657	19,450
Pittsburg State U.	2,533	0	173	0	73	0	0	0	2,287
U. KS all campuses	202,129	14,235	146,357	1,034	9,131	729	10,504	1,738	18,401
Wichita State U.	47,398	57	5,515	936	2,065	2,535	1,072	0	35,218
Kentucky	503,293	4,879	369,408	10,963	21,972	13,639	9,680	8,956	63,796
Public	503,293	4,879	369,408	10,963	21,972	13,639	9,680	8,956	63,796
Eastern KY U.	614	155	195	28	211	0	25	0	0
KY State U.	3,548	0	3,511	0	0	0	0	0	37
Morehead State U.	1,758	39	429	39	62	388	606	0	195
Murray State U.	2,555	513	1,567	167	196	2	34	0	76
Northern KY U.	1,584	0	579	40	503	220	242	0	0
U. KY all campuses	331,606	2,862	240,818	9,194	8,449	8,026	7,244	8,101	46,912
U. Louisville	151,226	306	120,424	1,408	5,525	4,729	1,528	855	16,451
Western KY U.	10,402	1,004	1,885	87	7,026	274	1	0	125
Louisiana	597,522	37,541	405,308	20,497	33,866	5,368	16,622	18,111	60,209
Public	452,767	36,510	278,788	18,727	29,275	4,915	11,536	18,111	54,905
Grambling State U.	428	114	2	0	312	0	0	0	0
LA State U. and A&M C.	260,924	30,962	148,880	4,796	18,474	953	6,094	13,639	37,126

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
LA State U. Health Sciences Ctr.-New Orleans	91,498	0	91,498	0	0	0	0	0	0
LA State U. Shreveport	859	0	262	573	4	1	19	0	0
LA Tech U.	14,166	225	2,610	1,687	1,782	304	482	0	7,076
McNeese State U.	316	135	29	26	40	72	2	0	12
Nicholls State U.	922	0	389	8	12	250	0	135	128
Northwestern State U.	371	0	232	0	0	0	139	0	0
Southeastern LA U.	1,650	0	1,124	7	516	0	3	0	0
Southern U. and A&M C. all campuses	5,590	2,141	586	109	898	0	724	0	1,132
Southern U. New Orleans	154	0	0	0	0	0	0	154	0
U. LA Lafayette	52,075	137	28,555	10,486	982	2,681	1,080	4,034	4,120
U. LA Monroe	4,674	26	2,330	33	46	0	2,239	0	0
U. New Orleans	19,140	2,770	2,291	1,002	6,209	654	754	149	5,311
Private	144,755	1,031	126,520	1,770	4,591	453	5,086	0	5,304
Dillard U.	2,846	357	925	0	171	0	1,393	0	0
Loyola U. New Orleans	408	4	167	17	216	0	4	0	0
Tulane U.	137,107	670	122,855	1,560	2,619	441	3,689	0	5,273
Xavier U. LA	4,394	0	2,573	193	1,585	12	0	0	31
Maine	137,425	23,420	56,453	3,927	5,001	1,703	21,425	7,726	17,770
Public	130,934	22,270	52,684	3,591	4,154	1,602	21,140	7,723	17,770
U. ME	96,135	20,872	35,016	2,972	4,131	1,521	7,243	6,724	17,656
U. Southern ME	34,799	1,398	17,668	619	23	81	13,897	999	114
Private	6,491	1,150	3,769	336	847	101	285	3	0
Bates C.	1,020	108	602	17	290	3	0	0	0
Bowdoin C.	2,186	487	1,065	77	310	86	161	0	0
Colby C.	1,131	97	406	242	247	12	124	3	0
U. New England	2,154	458	1,696	0	0	0	0	0	0
Maryland	2,542,336	139,937	1,241,771	156,054	205,914	19,230	95,174	41,732	642,524
Public	986,643	97,515	549,188	50,120	76,402	13,034	90,327	2,755	107,302
Bowie State U.	1,960	0	56	1,904	0	0	0	0	0
Morgan State U.	11,257	0	2,632	1,341	346	0	1,088	0	5,850
St. Mary's C. MD	415	0	201	29	23	42	120	0	0
Towson U.	1,098	0	222	352	393	26	105	0	0
Uniformed Services U. of the Health Sciences	71,307	0	64,988	0	0	6,319	0	0	0
U.S. Naval Academy	7,973	118	0	766	1,793	0	374	0	4,922
U. Baltimore	1,169	0	0	0	0	0	1,169	0	0
U. MD Baltimore	358,851	0	358,851	0	0	0	0	0	0
U. MD Baltimore County	66,968	27,373	5,455	5,382	8,211	2,248	6,924	2,755	8,620

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. MD Biotechnology Institute	61,757	14,058	47,699	0	0	0	0	0	0
U. MD Ctr. for Environmental Science	40,720	40,720	0	0	0	0	0	0	0
U. MD College Park	359,760	14,422	66,733	40,346	65,454	4,399	80,537	0	87,869
U. MD Eastern Shore	3,408	824	2,351	0	182	0	10	0	41
Private	1,555,693	42,422	692,583	105,934	129,512	6,196	4,847	38,977	535,222
Goucher C.	217	0	203	0	14	0	0	0	0
Johns Hopkins U., The ^a	1,554,103	42,422	692,380	105,521	129,480	6,196	3,905	38,977	535,222
Loyola C.	1,373	0	0	413	18	0	942	0	0
Massachusetts	2,171,596	202,704	1,048,906	100,564	245,466	41,937	84,961	48,946	398,112
Public	379,791	20,701	219,855	25,327	24,291	10,144	15,016	3,466	60,991
Bridgewater State C.	657	99 i	31 i	7 i	471 i	14 i	35 i	0 i	0 i
U. MA Amherst	141,351	3,956	50,796	20,529	12,809	5,560	4,421	550	42,730
U. MA Boston	25,952	2,839	5,517	1,971	524	4,132	7,956	2,916	97
U. MA Dartmouth	19,538	10,116	1,228	1,411	1,822	52	301	0	4,608
U. MA Lowell	34,824	3,691	4,814	1,409	8,665	386	2,303	0	13,556
U. MA Worcester	157,469	0	157,469	0	0	0	0	0	0
Private	1,791,805	182,003	829,051	75,237	221,175	31,793	69,945	45,480	337,121
Amherst C.	2,926	307	917	71	1,042	234	355	0	0
Boston C.	39,261	8,114	5,611	5,853	8,943	1,711	9,029	0	0
Boston U.	249,279	4,774	158,473	3,204	26,115	9,058	1,188	20,013	26,454
Brandeis U.	56,831	0	27,422	1,808	6,900	3,345	17,356	0	0
Clark U.	4,899	1,879	859	0	763	906	415	77	0
C. of the Holy Cross	987	0	90	128	391	344	34	0	0
Hampshire C.	1,118	94	252	13	65	165	21	81	427
Harvard U.	451,276	27,733	314,166	4,420	52,487	7,329	23,554	0	21,587
MA C. of Pharmacy and Health Sciences	580	0	285	0	295	0	0	0	0
MA Institute of Technology	614,352	26,227	191,916	50,660	99,257	968	6,405	22,444	216,475
Mt. Holyoke C.	3,127	566	402	899	980	87	193	0	0
New England C. of Optometry	1,356	0	1,356	0	0	0	0	0	0
Northeastern U.	71,502	375	19,596	3,197	15,576	2,135	4,790	0	25,833
Simmons C.	551	0	73	0	72	0	202	204	0
Smith C.	3,498	64	1,061	518	469	610	155	2	619
Tufts U.	130,826	843	104,040	1,378	5,176	4,839	5,764	0	8,786
Wellesley C.	4,634	34	746	232	919	0	195	2,508	0
Williams C.	3,983	94 i	865 i	322 i	685 i	62 i	271 i	151 i	1,533 i
Woods Hole Oceanographic Institution	137,410	110,899	0	0	0	0	0	0	26,511
Worcester Polytechnic Institute	13,409	0	921	2,534	1,040	0	18	0	8,896

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Michigan	1,509,953	29,009	898,874	33,131	126,810	21,633	134,146	6,389	259,961
Public	1,499,250	28,893	897,009	32,447	124,915	21,431	133,054	6,193	255,308
Central MI U.	4,512	176	1,207	463	885	635	186	818	142
Eastern MI U.	3,027	15	270	103	628	98	218	0	1,695
Grand Valley State U.	4,414	1,898	1,498	0	140	24	17	0	837
MI State U.	360,852	1,020	219,429	9,390	60,293	5,114	31,722	1,068	32,816
MI Technological U.	55,294	12,428	923	3,002	3,312	0	1,034	1,446	33,149
Northern MI U.	500	56	123	0	0	34	32	255	0
Oakland U.	8,872	0	2,742	897	2,169	81	0	0	2,983
Saginaw Valley State U.	680	0	67	69	25	2	14	94	409
U. MI all campuses	808,731	11,897	480,044	12,320	38,241	10,301	93,719	471	161,738
Wayne State U.	235,186	149	187,060	2,877	15,975	4,880	5,584	2,041	16,620
Western MI U.	17,182	1,254	3,646	3,326	3,247	262	528	0	4,919
Private	10,703	116	1,865	684	1,895	202	1,092	196	4,653
Andrews U.	1,108	0	32	119	54	0	900	0	3
Calvin C.	2,063	66	431	269	652	168	158	196	123
Hope C.	2,603	50	1,201	269	768	24	4	0	287
Kalamazoo C.	239	0	109	27	88	10	5	0	0
Kettering U.	2,209	0	0	0	105	0	0	0	2,104
Lawrence Technological U.	2,001	0	0	0	0	0	0	0	2,001
U. Detroit Mercy	480 i	0 i	92 i	0 i	228 i	0 i	25 i	0 i	135 i
Minnesota	636,920	15,105	460,976	25,610	27,184	13,943	29,753	128	64,221
Public	628,985	14,039	458,035	24,930	25,226	13,559	28,954	48	64,194
MN State U. Mankato	964	0	416	37	66	18	9	48	370
St. Cloud State U.	2,656	49	1,121	85	105	0	1,054	0	242
U. MN all campuses	624,149	13,953	455,889	24,528	24,961	13,508	27,786	0	63,524
Winona State U.	1,216	37	609	280	94	33	105	0	58
Private	7,935	1,066	2,941	680	1,958	384	799	80	27
Augsburg C.	676	0	0	99	577	0	0	0	0
Carleton C.	1,852	807	342	149	398	75	81	0	0
Gustavus Adolphus C.	173	43	41	1	87	1	0	0	0
Macalester C.	2,349	199	459	248	508	235	700	0	0
Northwestern Health Sciences U.	1,289	0	1,289	0	0	0	0	0	0
St. Olaf C.	1,060	0	721	16	250	73	0	0	0
U. of St. Thomas (St. Paul, MN)	536	17	89	167	138	0	18	80	27
Mississippi	410,637	35,372	211,085	16,740	43,780	5,321	8,620	22,677	67,042
Public	408,374	35,372	208,996	16,740	43,658	5,321	8,573	22,672	67,042

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Alcorn State U.	9,056	0	9,056	0	0	0	0	0	0
Jackson State U.	36,888	3,946	9,602	5,551	5,782	492	244	7,872	3,399
MS State U.	206,207	9,150	105,564	10,384	7,833	4,478	7,100	5,270	56,428
MS Valley State U.	844	0	0	313	17	0	0	0	514
U. MS all campuses	108,244	7,129	77,154	172	16,873	44	723	0	6,149
U. Southern MS	47,135	15,147	7,620	320	13,153	307	506	9,530	552
Private	2,263	0	2,089	0	122	0	47	5	0
Millsaps C.	588	0	529	0	12	0	47	0	0
Tougaloo C.	1,675	0	1,560	0	110	0	0	5	0
Missouri	941,445	12,110	769,568	12,288	39,321	14,256	24,677	696	68,529
Public	312,312	5,838	200,878	4,452	23,872	8,654	17,106	646	50,866
Lincoln U. (Jefferson City, MO)	5,573	1,243	3,159	0	0	0	525	646	0
Southwest MO State U.	9,320	228	1,440	115	7,463	19	55	0	0
Truman State U.	593	0	462	0	131	0	0	0	0
U. MO-Columbia	228,654	1,977	169,206	3,615	8,452	6,832	12,635	0	25,937
U. MO-Kansas City	26,870	0	22,225	74	2,237	1,122	503	0	709
U. MO-Rolla	30,395	2,390	610	356	2,734	67	18	0	24,220
U. MO-St. Louis	10,907	0	3,776	292	2,855	614	3,370	0	0
Private	629,133	6,272	568,690	7,836	15,449	5,602	7,571	50	17,663
A.T. Still U. of Health Sciences	826	0	826	0	0	0	0	0	0
Kansas City U. of Medicine and Biosciences	1,267	0	1,267	0	0	0	0	0	0
St. Louis U. all campuses	54,265	746	51,432	40	909	235	355	4	544
Washington U. St. Louis	572,775	5,526	515,165	7,796	14,540	5,367	7,216	46	17,119
Montana	179,137	6,236	108,740	2,238	19,731	518	4,908	18,057	18,709
Public	179,137	6,236	108,740	2,238	19,731	518	4,908	18,057	18,709
MT State U. Billings	846	49	492	3	237	0	65	0	0
MT State U. Bozeman	116,999	1,918	69,880	1,053	14,810	48	2,826	10,178	16,286
MT Tech of the U. MT	5,537	2,105	561	0	448	0	0	0	2,423
U. MT-Missoula, The	55,755	2,164	37,807	1,182	4,236	470	2,017	7,879	0
Nebraska	364,842	5,081	247,926	13,123	15,814	12,753	15,582	19,778	34,785
Public	336,468	5,002	220,180	13,123	15,332	12,718	15,582	19,746	34,785
U. NE Kearney	1,306	7	426	20	824	26	3	0	0
U. NE Omaha	7,379	258	1,035	2,637	404	607	1,423	15	1,000
U. NE Medical Ctr.	111,751	0	111,751	0	0	0	0	0	0
U. NE-Lincoln	216,032	4,737	106,968	10,466	14,104	12,085	14,156	19,731	33,785
Private	28,374	79	27,746	0	482	35	0	32	0

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Creighton U.	28,374	79	27,746	0	482	35	0	32	0
Nevada	189,096	68,008	52,794	2,868	20,442	1,314	1,826	12,382	29,462
Public	189,096	68,008	52,794	2,868	20,442	1,314	1,826	12,382	29,462
Desert Research Institute	40,238	38,402	1,490	0	0	0	346	0	0
U. NV, Las Vegas	53,049	18,846	5,912	1,806	8,802	171	879	0	16,633
U. NV, Reno	95,809	10,760	45,392	1,062	11,640	1,143	601	12,382	12,829
New Hampshire	307,074	56,779	163,648	6,988	10,930	4,346	6,676	15,495	42,212
Public	114,228	55,684	23,542	1,092	3,605	208	5,903	1,411	22,783
U. NH	114,228	55,684	23,542	1,092	3,605	208	5,903	1,411	22,783
Private	192,846	1,095	140,106	5,896	7,325	4,138	773	14,084	19,429
Dartmouth C.	192,846	1,095	140,106	5,896	7,325	4,138	773	14,084	19,429
New Jersey	864,443	52,456	437,796	47,977	91,269	23,235	45,971	16,298	149,441
Public	644,096	29,501	395,493	30,162	52,111	13,941	26,785	14,085	82,018
C. NJ, The	688	0	121	17	116	36	193	0	205
Montclair State U.	1,341	686 i	382 i	234 i	15 i	24 i	0 i	0 i	0 i
NJ Institute of Technology	88,699	0	0	10,051	13,941	0	1,308	12,413	50,986
Rowan U.	4,772	0	131	1,208	286	1,297	48	0	1,802
Rutgers, The State U. NJ all campuses	311,612	28,785	157,977	18,642	37,734	12,573	25,226	1,664	29,011
U. of Medicine and Dentistry NJ	236,834	0	236,834	0	0	0	0	0	0
William Paterson U. NJ	150 i	30 i	48 i	10 i	19 i	11 i	10 i	8 i	14 i
Private	220,347	22,955	42,303	17,815	39,158	9,294	19,186	2,213	67,423
Fairleigh Dickinson U. all campuses	150 i	5 i	105 i	7 i	11 i	2 i	4 i	0 i	16 i
Monmouth U.	1,766	298	0	1,402	66	0	0	0	0
Princeton U.	188,732	18,373	38,002	15,095	36,754	9,292	19,139	0	52,077
Rider U.	1,330	0	339	0	58	0	22	911	0
Seton Hall U.	2,685	0	1,615	0	1,049	0	21	0	0
Stevens Institute of Technology	25,684	4,279	2,242	1,311	1,220	0	0	1,302	15,330
New Mexico	410,375	6,537	141,949	7,963	52,947	12,366	9,671	25,709	153,233
Public	410,375	6,537	141,949	7,963	52,947	12,366	9,671	25,709	153,233
NM Highlands U.	1,083	106	328	0	649	0	0	0	0
NM Institute of Mining and Technology	83,742	240	290	749	21,482	89	0	6,382	54,510
NM State U. main campus	148,120	780	37,046	2,378	15,265	3,495	2,698	4,753	81,705
U. NM main campus	177,430	5,411	104,285	4,836	15,551	8,782	6,973	14,574	17,018
New York	3,964,823	112,046	2,570,809	127,523	329,942	95,897	112,649	50,524	565,433
Public	1,133,494	40,544	542,380	35,518	142,516	39,027	36,257	41,924	255,328

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
CUNY Baruch C.	1,030	1	606	71	33	68	251	0	0
CUNY Brooklyn C.	4,960	17	1,479	1,219	717	1,452	76	0	0
CUNY C. Staten Island	3,494	26	127	220	2,925	19	142	0	35
CUNY Graduate Ctr.	4,380	41	16	436	259	501	2,266	861	0
CUNY Herbert H. Lehman C.	4,852	132	1,914	464	215	1,944	43	140	0
CUNY Hunter C.	27,046	1,659	10,258	550	5,835	6,066	2,560	118	0
CUNY John Jay C. of Criminal Justice	2,259	0	5	49	42	1,159	943	61	0
CUNY Medgar Evers C.	512	214	96	3	198	1	0	0	0
CUNY Queens C.	9,186	343	6,230	167	1,120	1,110	216	0	0
CUNY The City C.	32,840	346	7,511	773	9,701	301	52	0	14,156
CUNY York C.	2,550	31	2,476	6	36	0	1	0	0
SUNY Albany	309,221	4,465	102,740	2,054	64,005	2,137	8,755	0	125,065
SUNY Binghamton	35,462	1,077	2,500	3,056	2,677	4,401	5,925	32	15,794
SUNY Buffalo all campuses	314,837	2,756	213,681	11,217	16,134	9,216	5,945	340	55,548
SUNY C. Brockport	1,025	203	495	30	273	0	0	24	0
SUNY C. Buffalo	1,292	107	36	0	122	300	727	0	0
SUNY C. Cortland	480	71	100	2	57	0	250	0	0
SUNY C. Geneseo	1,743	55	109	607	902	50	20	0	0
SUNY C. of Environmental Science and Forestry	23,854	4,367	11,257	0	2,262	0	17	0	5,951
SUNY C. of Optometry	2,231	0	2,231	0	0	0	0	0	0
SUNY C. Old Westbury	1,682	0	1,166	5	448	0	45	18	0
SUNY C. Oswego	1,093	52	0	68	232	618	3	120	0
SUNY C. Plattsburgh	1,190	339	20	0	821	0	0	10	0
SUNY Fredonia	318	74	81	0	152	0	11	0	0
SUNY Health Science Ctr. Brooklyn	29,809	0	29,809	0	0	0	0	0	0
SUNY Stony Brook all campuses	268,282	24,042	107,738	12,787	33,050	8,664	5,190	40,200	36,611
SUNY Upstate Medical U.	39,699	0	39,699	0	0	0	0	0	0
U.S. Military Academy	8,167	126	0	1,734	300	1,020	2,819	0	2,168
Private	2,831,329	71,502	2,028,429	92,005	187,426	56,870	76,392	8,600	310,105
Adelphi U.	594	0	594	0	0	0	0	0	0
Albany C. of Pharmacy	3,248	0	3,248	0	0	0	0	0	0
Albany Medical C.	15,029	0	15,029	0	0	0	0	0	0
Alfred U. all campuses	5,474	43	0	0	87	658	0	0	4,686
Bard C.	278 i	16 i	104 i	19 i	47 i	19 i	20 i	7 i	46 i
Barnard C.	2,764	446	152	146	360	1,635	25	0	0
Canisius C.	163	0	87	35	41	0	0	0	0
Clarkson U.	16,976	0	684	417	3,853	5	2	0	12,015
Colgate U.	2,217	507	425	223	578	96	377	11	0
Columbia U. in the City of NY	545,995	55,503	380,740	11,049	30,645	3,973	17,554	5,462	41,069

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Cooper Union	171	0	0	0	0	0	0	0	171
Cornell U. all campuses	641,936	6,457	409,577	26,978	86,822	4,994	29,431	0	77,677
Daemen C.	529	0	529	0	0	0	0	0	0
Dowling C.	1,566	0	80	143	0	0	0	0	1,343
Fordham U.	5,908	56	2,669	118	66	579	2,301	119	0
Hamilton C. (Clinton, NY)	1,907	316	373	21	917	181	99	0	0
Hobart and William Smith Colleges	685	331	0	0	207	19	128	0	0
Hofstra U.	687	1	234	4	142	118	63	0	125
Ithaca C.	1,434	0	498	716	195	17	8	0	0
Long Island U. all campuses	2,969 i	233 i	2,325 i	0 i	159 i	92 i	160 i	0 i	0 i
Manhattan C.	527 i	0 i	0 i	0 i	9 i	0 i	0 i	0 i	518 i
Mercy C.	401	0	381	5	0	15	0	0	0
Mt. Sinai School of Medicine	269,451	0	269,451	0	0	0	0	0	0
New School, The	7,795	1	0	5,692	0	178	1,924	0	0
NY Institute of Technology all campuses	2,708	0	1,414	771	0	0	22	0	501
NY Medical C.	34,365	0	34,365	0	0	0	0	0	0
NY U.	297,867	0	237,400	15,233	11,625	17,450	13,881	2,278	0
Pace U. all campuses	718	49	539	37	4	0	0	89	0
Polytechnic U.	14,216	0	0	3,163	3,172	0	329	0	7,552
Rensselaer Polytechnic Institute	77,238	1,692	4,352	6,623	12,568	1,711	231	0	50,061
Rochester Institute of Technology	20,961	1,261	1,933	357	8,379	154	234	0	8,643
Rockefeller U.	233,917	0	216,284	8,754	8,875	0	4	0	0
Sarah Lawrence C.	566	115	120	6	275	0	0	50	0
Siena C.	447 i	27 i	201 i	14 i	67 i	5 i	38 i	24 i	71 i
Skidmore C.	726	44	233	30	254	95	70	0	0
St. John's U. (Jamaica, NY)	1,783	0	575	0	242	965	0	1	0
Syracuse U. all campuses	36,396	3,194	2,600	8,510	6,159	5,403	2,613	1	7,916
Teachers C. Columbia U.	12,585	0	1,981	29	0	4,352	6,223	0	0
Union C. (Schenectady, NY)	2,086	125	415	95	279	41	371	238	522
U. Rochester	373,247	1,004	246,393	2,699	11,315	14,115	218	320	97,183
Vassar C.	600	81	245	118	84	0	66	0	6
Yeshiva U.	192,199	0	192,199	0	0	0	0	0	0
North Carolina	1,885,499	66,522	1,438,701	56,863	76,204	13,086	81,123	4,022	148,978
Public	915,369	51,541	585,843	45,525	54,061	9,956	55,346	4,022	109,075
Appalachian State U.	2,912	300	1,020	94	1,174	136	188	0	0
East Carolina U.	15,970	1,058	11,852	155	964	173	1,326	127	315
Elizabeth City State U.	1,892	161	894	79	0	0	757	0	1
Fayetteville State U.	1,743	0	578	356	132	25	652	0	0

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
NC Agricultural and Technical State U.	24,044	0	12,420	495	1,623	0	93	12	9,401
NC Central U.	4,337	0	3,883	0	454	0	0	0	0
NC State U.	331,662	14,700	168,872	21,805	18,833	63	12,644	3,631	91,114
U. NC Asheville	5,202	1,212	146	1,330	1,980	0	293	169	72
U. NC Chapel Hill	477,231	22,030	371,745	14,080	25,471	6,813	37,092	0	0
U. NC Charlotte	22,165	1,231	3,472	6,441	1,253	503	1,260	0	8,005
U. NC Greensboro	6,130	51	3,443	194	744	1,188	510	0	0
U. NC Pembroke	329	61	21	0	247	0	0	0	0
U. NC Wilmington	17,064	10,052	4,866	90	767	1,055	151	83	0
Western Carolina U.	2,602	685	1,166	196	8	0	380	0	167
Winston-Salem State U.	2,086 i	0 i	1,465 i	210 i	411 i	0 i	0 i	0 i	0 i
Private	970,130	14,981	852,858	11,338	22,143	3,130	25,777	0	39,903
Davidson C.	852	0	573	129	99	35	16	0	0
Duke U.	781,843	14,772	669,354	10,655	18,842	2,847	25,470	0	39,903
Shaw U.	1,826	209	1,289	0	328	0	0	0	0
Wake Forest U.	185,609	0	181,642	554	2,874	248	291	0	0
North Dakota	169,468	11,353	76,112	832	16,381	2,510	12,706	6,553	43,021
Public	169,468	11,353	76,112	832	16,381	2,510	12,706	6,553	43,021
Mayville State U.	224	0	224	0	0	0	0	0	0
ND State U. all campuses	106,208	225	58,444	713	14,989	2,383	12,324	5,183	11,947
U. ND all campuses	63,036	11,128	17,444	119	1,392	127	382	1,370	31,074
Ohio	1,807,038	19,297	1,128,353	59,933	102,120	17,772	77,641	38,229	363,693
Public	1,356,542	17,725	808,948	56,891	91,785	16,228	71,752	37,550	255,663
Air Force Institute of Technology	16,801	40	0	3,377	5,421	0	0	0	7,963
Bowling Green State U. all campuses	9,120	556	1,572	522	3,148	1,302	1,525	105	390
Central State U.	2,320	116	232	116	116	0	116	0	1,624
Cleveland State U.	15,948	260	2,433	5	564	47	8,092	0	4,547
Kent State U. all campuses	19,001	381	3,828	1,025	9,826	2,822	1,118	0	1
Miami U. all campuses	23,729	676 i	5,537 i	0 i	6,260 i	1,613 i	3,976 i	4,979 i	688 i
Northeastern OH Universities C. of Medicine	4,984	0	4,984	0	0	0	0	0	0
OH State U. all campuses	720,206	9,896	397,652	41,802	27,428	5,835	46,746	30,494	160,353
OH U. all campuses	38,671	1,246	9,701	1,160	5,560	1,373	1,606	0	18,025
U. Akron all campuses	27,138	201	2,311	442	13,464	92	3,558	0	7,070
U. Cincinnati all campuses	375,852	879	322,426	1,000	8,779	1,716	4,606	973	35,473
U. Toledo	52,448	2,685	28,700	115	7,605	343	269	405	12,326
Wright State U. all campuses	49,713	780	29,416	7,320	3,239	1,084	140	590	7,144
Youngstown State U.	611	9	156	7	375	1	0	4	59

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	450,496	1,572	319,405	3,042	10,335	1,544	5,889	679	108,030
Case Western Reserve U.	372,374	1,177	316,777	981	8,727	1,249	5,778	0	37,685
C. Wooster	944	73	268	22	430	99	52	0	0
Denison U.	321	30	68	7	203	0	13	0	0
John Carroll U.	298	0	59	234	5	0	0	0	0
Oberlin C.	773	235	155	0	330	26	27	0	0
OH Wesleyan U.	376	0	125	24	82	145	0	0	0
U. Dayton	74,005	57	1,873	494	549	25	19	679	70,309
Wilberforce U.	1,405	0	80	1,280	9	0	0	0	36
Oklahoma	298,663	35,205	169,200	5,790	19,710	3,916	12,862	6,216	45,764
Public	283,928	34,989	168,406	2,834	18,342	3,287	11,968	6,216	37,886
Langston U.	4,405	0	4,405	0	0	0	0	0	0
Northeastern State U.	554	0	543	0	8	0	3	0	0
OK State U. all campuses	101,112	1,931	62,334	1,075	6,075	597	5,475	6,216	17,409
Southeastern OK State U.	360	0	73	0	287	0	0	0	0
Southwestern OK State U.	266	0	0	0	230	0	0	0	36
U. Central OK	406	0	106	0	0	0	0	0	300
U. OK all campuses	176,825	33,058	100,945	1,759	11,742	2,690	6,490	0	20,141
Private	14,735	216	794	2,956	1,368	629	894	0	7,878
U. Tulsa	14,735	216	794	2,956	1,368	629	894	0	7,878
Oregon	574,521	45,296	389,548	32,979	20,424	9,475	16,674	27,916	32,209
Public	570,196	45,229	387,059	32,779	19,466	9,224	16,569	27,871	31,999
Eastern OR U.	649	0	386	0	258	0	5	0	0
OR Health & Science U.	287,430	0	244,734	20,850	0	0	0	21,846	0
OR Institute of Technology	4,155	0	341	93	0	0	0	0	3,721
OR State U.	189,368	39,634	108,754	5,659	3,833	391	3,017	5,278	22,802
Portland State U.	26,025	2,827	5,833	2,711	2,253	937	6,201	747	4,516
Southern OR U.	875	106	317	14	33	0	405	0	0
U. OR	61,694	2,662	26,694	3,452	13,089	7,896	6,941	0	960
Private	4,325	67	2,489	200	958	251	105	45	210
Lewis and Clark C.	1,048	30	752	67	137	30	32	0	0
Pacific U.	793	0	727	0	40	26	0	0	0
Reed C.	1,220	0	662	0	361	195	2	0	0
U. Portland	887	12	215	59	320	0	71	0	210
Willamette U.	377	25	133	74	100	0	0	45	0
Pennsylvania	2,438,312	62,019	1,463,447	189,277	139,473	55,662	77,236	34,746	416,452
Public	1,298,753	57,410	756,696	61,227	80,371	38,374	31,765	13,412	259,498

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Cheyney U. PA	274	0	274	0	0	0	0	0	0
Indiana U. PA all campuses	410	32	201	5	51	19	102	0	0
Lincoln U. (Lincoln University, PA)	450	0	238	0	50	0	0	162	0
Millersville U. PA	753	460	121	146	26	0	0	0	0
PA State U. all campuses	652,144	55,506	202,986	52,812	56,783	22,594	25,606	516	235,341
Temple U.	85,394	61	63,124	1,443	5,619	9,223	2,373	0	3,551
U. Pittsburgh all campuses	558,566	1,351	489,305	6,798	17,550	6,538	3,684	12,734	20,606
West Chester U. PA	762	0	447	23	292	0	0	0	0
Private	1,139,559	4,609	706,751	128,050	59,102	17,288	45,471	21,334	156,954
Allegheny C.	787	125	70	9	351	18	46	168	0
Arcadia U.	2,450	0	355	204	16	0	1,387	488	0
Bryn Mawr C.	3,881	349	313	384	1,074	603	1,158	0	0
Bucknell U.	1,744	71	504	0	312	27	2	0	828
Carnegie Mellon U.	197,143	1,445	6,865	102,933	10,367	7,501	8,051	3,052	56,929
Dickinson C.	1,076	202	467	54	258	71	24	0	0
Drexel U.	96,575	0	46,819	8,312	3,086	1,698	0	0	36,660
Duquesne U.	8,850	0	5,317	262	3,220	0	51	0	0
Franklin & Marshall C.	1,993	420	456	76	750	117	174	0	0
Gettysburg C.	427	22	62	7	184	6	146	0	0
Haverford C.	1,182	0 i	485 i	29 i	576 i	67 i	25 i	0 i	0 i
Juniata C.	332	11	175	0	146	0	0	0	0
La Salle U.	2,758	3	110	18	0	2	45	2,580	0
Lafayette C.	1,472	154	53	146	287	6	4	472	350
Lehigh U.	36,537	837	1,535	1,594	6,139	275	223	0	25,934
Mercyhurst C.	767	13	43	5	64	6	445	191	0
Muhlenberg C.	511	0	387	0	114	0	10	0	0
PA C. of Optometry	1,587	0	1,587	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	1,754	0	1,739	0	0	15	0	0	0
Philadelphia U.	848	0	0	0	0	0	0	848	0
St. Francis U. (Loretto, PA)	3,677	135	3,542	0	0	0	0	0	0
St. Joseph's U.	2,930	0	479	589	35	338	234	1,255	0
Swarthmore C.	1,449	0	136	44	544	292	117	155	161
Thomas Jefferson U.	107,288	0	107,288	0	0	0	0	0	0
U. PA	648,247	750	525,729	9,919	29,279	6,173	33,059	12,125	31,213
U. Scranton	600	0	372	5	214	5	4	0	0
U. of the Sciences Philadelphia	1,449	0	837	0	432	0	180	0	0
Ursinus C.	472	16	234	0	222	0	0	0	0
Villanova U.	10,473	0	673	3,460	1,413	68	86	0	4,773
Wilkes U.	300	56	119	0	19	0	0	0	106

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Rhode Island	230,281	34,267	105,889	19,722	15,309	2,422	11,385	14,624	26,663
Public	76,237	26,520	25,456	634	852	746	19	14,624	7,386
U. RI	76,237	26,520	25,456	634	852	746	19	14,624	7,386
Private	154,044	7,747	80,433	19,088	14,457	1,676	11,366	0	19,277
Brown U.	152,619	7,535	79,473	19,088	14,204	1,676	11,366	0	19,277
Providence C.	558	0	526	0	32	0	0	0	0
Roger Williams U. Bristol	867	212	434	0	221	0	0	0	0
South Carolina	569,015	37,370	287,097	12,190	33,514	12,583	23,275	25,430	137,556
Public	565,440	37,255	284,959	12,094	32,880	12,418	23,275	25,428	137,131
Clemson U.	211,760	0	57,090	6,944	11,975	1,437	12,422	10,064	111,828
Coastal Carolina U.	1,095	951	40	0	96	1	7	0	0
C. Charleston	5,308	2,552	1,221	373	672	58	196	236	0
Medical U. SC	184,624	0	184,470	0	0	0	0	0	154
SC State U.	3,796	0	834	0	1,821	0	1,076	0	65
U. SC all campuses	158,857	33,752	41,304	4,777	18,316	10,922	9,574	15,128	25,084
Private	3,575	115	2,138	96	634	165	0	2	425
Benedict C.	1,604	39	1,038	68	34	0	0	0	425
Claffin U.	929 i	0 i	927 i	0 i	0 i	0 i	0 i	2 i	0 i
Furman U.	1,042	76	173	28	600	165	0	0	0
South Dakota	81,544	4,623	53,568	355	4,447	262	2,268	284	15,737
Public	79,824	4,369	52,800	282	4,103	262	2,268	284	15,456
Black Hills State U.	2,935	236	2,311	0	0	146	208	34	0
Oglala Lakota C.	1,903	748	734	0	112	0	0	250	59
SD School of Mines and Technology	14,480	2,062	0	10	304	0	0	0	12,104
SD State U.	39,033	1,321	31,401	27	1,847	0	1,144	0	3,293
U. SD	21,473	2	18,354	245	1,840	116	916	0	0
Private	1,720	254	768	73	344	0	0	0	281
Augustana C. (Sioux Falls, SD)	807	0	595	73	139	0	0	0	0
Sinte Gleska U.	913	254	173	0	205	0	0	0	281
Tennessee	761,388	9,829	517,222	16,083	44,569	20,676	24,708	21,406	106,895
Public	322,399	9,172	163,162	14,670	21,032	9,913	19,425	15,254	69,771
East TN State U.	8,020	44	6,489	129	361	164	638	74	121
Middle TN State U.	2,135	71	590	242	567	20	594	0	51
TN State U.	12,475	0	8,459	230	1,243	7	0	0	2,536
TN Technological U.	12,226	15	747	505	871	187	7	0	9,894
U. Memphis, The	44,359	4,835	6,859	4,080	2,148	8,491	8,999	1,879	7,068

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. TN Chattanooga	5,532	0	613	371	62	0	612	701	3,173
U. TN Martin	1,164	65	2	0	0	0	0	1,085	12
U. TN system office	236,488	4,142	139,403	9,113	15,780	1,044	8,575	11,515	46,916
Private	438,989	657	354,060	1,413	23,537	10,763	5,283	6,152	37,124
Fisk U.	6,000	0	0	0	6,000	0	0	0	0
Meharry Medical C.	33,218	0	33,218	0	0	0	0	0	0
Rhodes C.	432	0	138	0	178	116	0	0	0
U. of the South	190	39	72	12	29	0	35	3	0
Vanderbilt U.	399,149	618	320,632	1,401	17,330	10,647	5,248	6,149	37,124
Texas	3,415,419	197,621	2,247,705	145,539	208,457	58,566	70,535	30,379	456,617
Public	2,878,570	190,574	1,793,965	133,082	184,054	54,133	67,945	29,373	425,444
Angelo State U.	678	0	615	6	43	14	0	0	0
Lamar U.	3,695	472	15	251	208	0	10	0	2,739
Prairie View A&M U.	12,019	0	7,440	135	1,701	3	1	0	2,739
Sam Houston State U.	2,500	1,249	84	478	189	0	84	416	0
Stephen F. Austin State U.	6,957	259	3,576	18	70	5	26	3,003	0
Sul Ross State U.	3,056	983	863	0	0	0	1,210	0	0
Tarleton State U.	9,151	1,648	4,526	232	47	0	16	2,647	35
TX A&M U.	543,888	112,571	188,462	15,257	39,200	2,931	11,729	9,304	164,434
TX A&M U. Commerce	1,616	0	181	523	398	63	0	414	37
TX A&M U. Corpus Christi	11,933	5,996	3,544	1,485	297	0	62	396	153
TX A&M U. Kingsville	13,794	978	9,074	225	249	0	0	88	3,180
TX A&M U. System Health Science Ctr.	77,957	436	76,983	15	0	31	15	0	477
TX Southern U.	3,688	0	3,160	0	512	0	16	0	0
TX State U. San Marcos	7,890	3,691	1,635	430	1,323	22	136	478	175
TX Tech U.	57,878	6,331	18,880	1,566	6,227	572	6,802	750	16,750
TX Tech U. Health Science Ctr.	21,006	0	21,006	0	0	0	0	0	0
TX Woman's U.	2,047	0	1,475	20	169	17	48	318	0
U. Houston	73,542	3,633	15,991	7,983	8,998	15,948	4,693	0	16,296
U. Houston-Clear Lake	851	296	142	169	125	55	23	0	41
U. Houston-Downtown	175	0	81	93	1	0	0	0	0
U. North TX	14,207	1,154	3,348	1,065	3,502	342	1,070	0	3,726
U. North TX Health Science Ctr. Ft. Worth	28,187	0	28,187	0	0	0	0	0	0
U. TX Arlington	32,734	370	1,648	2,186	7,170	1,434	297	0	19,629
U. TX Austin	446,765	43,269	50,210	64,487	87,693	9,108	26,486	9,544	155,968
U. TX Dallas	46,477	497	5,782	7,196	7,100	2,833	1,841	1,879	19,349
U. TX El Paso	39,965	5,370	16,766	2,761	5,012	751	1,443	32	7,830
U. TX Health Science Ctr. Houston	191,724	0	191,724	0	0	0	0	0	0

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. TX Health Science Ctr. San Antonio	160,282	0	160,282	0	0	0	0	0	0
U. TX M. D. Anderson Cancer Ctr.	496,539	0	434,713	22,426	10,149	19,741	6,436	0	3,074
U. TX Medical Branch	183,492	0	181,249	0	0	0	0	0	2,243
U. TX of the Permian Basin	995	49	60	0	641	9	132	104	0
U. TX San Antonio	30,542	776	15,963	3,630	2,484	110	4,698	0	2,881
U. TX Southwestern Medical Ctr. Dallas	341,090	0	341,090	0	0	0	0	0	0
U. TX Tyler	1,395	14	507	259	35	32	7	0	541
U. TX-Pan American	5,217	202	1,866	129	473	22	626	0	1,899
West TX A&M U.	4,638	330	2,837	57	38	90	38	0	1,248
Private	536,849	7,047	453,740	12,457	24,403	4,433	2,590	1,006	31,173
Abilene Christian U.	269	0	14	0	248	7	0	0	0
Baylor C. of Medicine	438,280	0	438,280	0	0	0	0	0	0
Baylor U.	8,951	1,658	2,408	448	2,205	261	1,323	0	648
LeTourneau U.	405	0	0	0	36	0	0	0	369
Rice U.	69,772	2,167	10,474	10,885	16,908	643	641	0	28,054
Southern Methodist U.	13,381	2,966	1,997	1,011	3,286	1,127	580	457	1,957
St. Mary's U. (San Antonio, TX)	623	0	40	0	0	0	0	549	34
TX Christian U.	3,924	188	141	7	1,116	2,352	24	0	96
Trinity U.	1,244	68	386	106	604	43	22	0	15
Utah	412,512	18,432	217,350	21,891	25,999	6,003	6,836	12,030	103,971
Public	385,859	18,084	209,690	20,343	22,859	5,312	4,831	12,030	92,710
U. UT	247,794	7,912	164,893	18,589	19,963	2,155	1,392	0	32,890
UT State U.	138,065	10,172	44,797	1,754	2,896	3,157	3,439	12,030	59,820
Private	26,653	348	7,660	1,548	3,140	691	2,005	0	11,261
Brigham Young U. all campuses	26,653	348	7,660	1,548	3,140	691	2,005	0	11,261
Vermont	115,025	832	98,742	1,426	1,293	2,038	309	7,662	2,723
Public	113,195	527	98,031	1,328	799	2,010	165	7,612	2,723
U. VT	113,195	527	98,031	1,328	799	2,010	165	7,612	2,723
Private	1,830	305	711	98	494	28	144	50	0
Middlebury C.	1,830	305	711	98	494	28	144	50	0
Virginia	971,905	78,727	496,587	40,449	62,630	18,843	45,890	10,538	218,241
Public	913,318	62,735	463,094	39,908	58,854	18,507	45,695	7,582	216,943
Christopher Newport U.	709	0	230	0	453	26	0	0	0
C. of William and Mary all campuses	49,854	34,262	2,283	696	4,747	564	1,863	5,439	0
George Mason U.	58,252	9,522	6,461	10,038	2,695	2,825	22,201	0	4,510
James Madison U.	5,455	787	1,302	1,589	772	171	173	429	232

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Norfolk State U.	6,491	0	272	1,142	4,290	0	80	0	707
Old Dominion U.	52,134	5,094	6,250	3,695	6,481	1,913	4,358	0	24,343
U. VA all campuses	230,181	4,418	159,765	7,097	15,795	5,949	772	1,096	35,289
VA Commonwealth U.	134,453	742	111,746	1,792	4,876	3,209	7,761	0	4,327
VA Military Institute	659	0	18	0	91	1	0	0	549
VA Polytechnic Institute and State U.	366,960	7,910	167,765	13,411	18,638	3,840	8,376	618	146,402
VA State U.	8,170	0	7,002	448	16	9	111	0	584
Private	58,587	15,992	33,493	541	3,776	336	195	2,956	1,298
Eastern VA Medical School	31,453	0	31,453	0	0	0	0	0	0
Hampton U.	24,017	15,945	1,203	350	2,320	0	0	2,956	1,243
Roanoke C.	402	0	184	9	66	1	142	0	0
Sweet Briar C.	428	39	220	0	50	38	26	0	55
U. Richmond	1,958	8	396	131	1,099	297	27	0	0
Washington and Lee U.	329	0	37	51	241	0	0	0	0
Washington	980,970	98,812	647,187	8,688	52,744	12,466	42,395	14,398	104,280
Public	978,474	98,618	646,352	8,680	51,955	12,441	42,151	14,375	103,902
Central WA U.	2,431	1,922	185	37	184	18	85	0	0
Eastern WA U.	2,136	60	334	10	98	10	1,584	20	20
Evergreen State C.	739	430	65	47	0	0	0	197	0
U. WA	756,787	91,765	513,821	6,900	34,067	9,933	19,216	0	81,085
WA State U.	210,010	2,887	129,984	1,565	16,592	2,295	20,259	13,671	22,757
Western WA U.	6,371	1,554	1,963	121	1,014	185	1,007	487	40
Private	2,496	194	835	8	789	25	244	23	378
Heritage U. (Toppenish, WA)	210	0	210	0	0	0	0	0	0
Pacific Lutheran U.	547	36	121	0	303	2	85	0	0
Seattle Pacific U.	150 i	10 i	56 i	8 i	27 i	9 i	12 i	8 i	20 i
Seattle U.	837 i	29 i	63 i	0 i	387 i	0 i	0 i	0 i	358 i
U. Puget Sound	453	28	251	0	10	2	147	15	0
Whitman C.	299	91	134	0	62	12	0	0	0
West Virginia	167,208	7,257	102,940	1,167	5,582	756	2,908	5,338	41,260
Public	160,203	7,257	102,868	1,167	5,582	756	2,878	4,307	35,388
Bluefield State C.	401	0	401	0	0	0	0	0	0
Marshall U.	22,519	105	13,939	25	743	0	0	447	7,260
West Liberty State C.	579	164	415	0	0	0	0	0	0
WV School of Osteopathic Medicine	349	0	349	0	0	0	0	0	0
WV State U.	2,765	94	2,632	0	39	0	0	0	0
WV U.	133,590	6,894	85,132	1,142	4,800	756	2,878	3,860	28,128

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	7,005	0	72	0	0	0	30	1,031	5,872
Wheeling Jesuit U.	7,005	0	72	0	0	0	30	1,031	5,872
Wisconsin	1,066,688	90,789	717,048	23,003	67,743	11,188	47,818	3,230	105,869
Public	894,732	90,728	554,117	22,647	66,005	11,085	47,644	3,161	99,345
U. WI Eau Claire	1,327	345	189	40	701	32	20	0	0
U. WI Green Bay	1,031	912	1	9	0	0	3	106	0
U. WI La Crosse	3,414	634	1,178	134	603	5	145	86	629
U. WI Madison	840,672	77,397	541,332	20,881	56,304	9,769	41,626	77	93,286
U. WI Milwaukee	40,023	8,209	8,515	1,382	7,932	1,221	4,814	2,704	5,246
U. WI Oshkosh	1,059	51	801	26	83	0	4	94	0
U. WI Parkside	218	65	61	9	53	0	30	0	0
U. WI Platteville	540	23	372	0	18	0	0	2	125
U. WI River Falls	287	0	107	0	155	5	20	0	0
U. WI Stevens Point	3,077	1,551	1,285	0	133	2	47	0	59
U. WI Stout	360	0	87	130	0	51	0	92	0
U. WI Superior	2,501	1,541	7	36	2	0	915	0	0
U. WI Whitewater	223	0	182	0	21	0	20	0	0
Private	171,956	61	162,931	356	1,738	103	174	69	6,524
Lawrence U.	301	61	84	0	156	0	0	0	0
Marquette U.	9,744	0	3,928	356	1,542	103	174	69	3,572
Medical C. WI	158,171	0	158,171	0	0	0	0	0	0
Milwaukee School of Engineering	3,740	0	748	0	40	0	0	0	2,952
Wyoming	79,700	11,411	38,911	1,274	5,707	793	2,413	8,873	10,318
Public	79,700	11,411	38,911	1,274	5,707	793	2,413	8,873	10,318
U. WY	79,700	11,411	38,911	1,274	5,707	793	2,413	8,873	10,318
Guam	7,059	925	6,110	0	0	0	24	0	0
Public	7,059	925	6,110	0	0	0	24	0	0
U. GU	7,059	925	6,110	0	0	0	24	0	0
Puerto Rico	106,852	8,170	62,333	1,517	18,920	1,558	2,876	252	11,226
Public	85,686	7,709	43,199	1,517	18,894	1,140	2,876	252	10,099
U. PR Cayey	411	0	253	0	20	2	0	136	0
U. PR Humacao	5,220	0	672	670	3,878	0	0	0	0
U. PR Mayaguez Campus	19,813	5,199	601	481	3,560	0	210	0	9,762
U. PR Medical Sciences Campus	38,863	0	38,863	0	0	0	0	0	0
U. PR Rio Piedras Campus	21,379	2,510	2,810	366	11,436	1,138	2,666	116	337

TABLE 28. R&D expenditures at universities and colleges, by state, control, institution, and science and engineering field: FY 2007

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	21,166	461	19,134	0	26	418	0	0	1,127
Carlos Albizu U. (San Juan, PR)	418	0	0	0	0	418	0	0	0
Polytechnic U. PR	1,127	0	0	0	0	0	0	0	1,127
Ponce School of Medicine	9,103	0	9,103	0	0	0	0	0	0
Universidad Central del Caribe	9,446	0	9,446	0	0	0	0	0	0
Universidad del Este	407	1	406	0	0	0	0	0	0
Universidad del Turabo	417	417	0	0	0	0	0	0	0
Universidad Metropolitana	248	43	179	0	26	0	0	0	0
Virgin Islands	17,842	0	6,283	0	0	0	6,278	5,281	0
Public	17,842	0	6,283	0	0	0	6,278	5,281	0
U. of the VI	17,842	0	6,283	0	0	0	6,278	5,281	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
	All institutions	30,084,148	32,823,937	36,405,220	40,100,324	43,257,731	45,792,673	47,742,832	49,430,767
1	Johns Hopkins U., The ^a	901,156	999,246	1,140,235	1,244,132	1,375,014	1,443,792	1,499,977	1,554,103
2	U. CA, San Francisco	443,013	524,975	596,965	671,443	728,321	754,444	796,149	842,840
3	U. WI Madison	554,361	604,143	662,101	717,044	763,875	798,099	831,895	840,672
4	U. CA, Los Angeles	530,826	693,801	787,598	849,357	772,569	785,625	811,493	823,083
5	U. MI all campuses	551,556	600,523	673,724	780,054	769,126	808,887	800,488	808,731
6	U. CA, San Diego	518,559	556,533	585,008	646,508	708,690	721,035	754,766	798,896
7	Duke U.	356,625	375,133	441,533	520,191	520,871	630,752	657,080	781,843
8	U. WA	529,342	589,626	627,273	684,814	713,976	707,519	778,148	756,787
9	OH State U. all campuses	361,399	390,652	432,387	496,438	518,088	608,923	652,329	720,206
10	Stanford U.	457,822	482,906	538,474	603,227	671,046	714,897	679,196	687,511
11	PA State U. all campuses	427,575	458,066	492,739	533,427	600,139	625,764	644,182	652,144
12	U. PA	430,389	469,852	522,269	564,635	596,756	654,982	676,052	648,247
13	Cornell U. all campuses	410,393	443,828	496,123	554,760	575,554	606,804	648,802	641,936
14	U. MN all campuses	411,380	462,011	494,265	508,557	526,270	548,873	594,877	624,149
15	MA Institute of Technology	426,299	435,495	446,786	485,764	543,448	580,742	600,748	614,352
16	U. CA, Davis	364,789	432,396	456,653	482,145	511,757	546,978	573,002	600,508
17	U. FL	313,692	347,892	386,316	429,734	447,146	530,734	565,491	592,835
18	Washington U. St. Louis	362,216	406,642	416,960	474,328	489,565	531,846	547,674	572,775
19	U. Pittsburgh all campuses	294,809	348,792	400,200	409,684	461,693	522,448	530,162	558,566
20	U. CA, Berkeley	518,514	446,273	474,746	507,186	525,598	554,551	546,035	552,365
21	Columbia U. in the City of NY	319,693	354,497	405,403	437,669	468,484	535,424	529,945	545,995
22	TX A&M U.	397,268	407,041	436,681	456,235	456,809	479,735	492,955	543,888
23	U. AZ	345,090	367,128	390,827	454,941	478,680	530,233	535,847	531,753
24	U. CO all campuses	353,908	365,472	399,818	436,761	482,992	517,067	512,794	527,587
25	U. Southern CA	300,445	340,597	372,397	414,099	426,665	445,036	450,173	508,138
26	U. TX M. D. Anderson Cancer Ctr.	182,196	212,746	262,145	315,169	353,034	383,780	457,696	496,539
27	U. NC Chapel Hill	269,072	303,576	370,806	390,542	416,727	441,033	443,790	477,231
28	U. IL Urbana-Champaign	373,024	390,863	427,174	493,581	506,041	499,711	476,198	473,890
29	GA Institute of Technology all campuses	304,511	306,533	340,347	364,190	410,799	425,386	440,898	472,591
30	Harvard U.	341,810	372,107	401,367	408,707	454,495	447,196	453,156	451,276
31	Yale U.	296,706	321,514	354,243	387,644	422,828	431,618	460,075	448,671
32	U. TX Austin	272,811	295,104	320,966	343,854	343,886	410,981	431,398	446,765
33	Northwestern U.	245,774	257,933	282,154	319,722	358,947	387,242	419,985	443,345
34	Baylor C. of Medicine	334,175	381,461	411,924	461,763	476,075	458,694	462,375	438,280
35	Purdue U. all campuses	234,536	254,917	285,778	309,476	365,779	364,986	372,958	415,172
36	Vanderbilt U.	171,926	186,504	208,305	276,074	318,335	350,433	376,893	399,149
37	Emory U.	206,070	236,997	271,238	323,224	311,685	333,665	345,989	398,383
38	U. Cincinnati all campuses	171,906	192,895	216,652	254,101	276,326	286,036	294,150	375,852

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
39	U. Rochester	197,335	234,261	261,601	285,768	312,303	345,337	366,658	373,247
40	LA State U. all campuses	251,233	268,911	287,363	314,446	341,634	356,828	348,797	372,421
41	Case Western Reserve U.	193,057	198,253	219,042	250,674	231,800	323,618	369,264	372,374
42	VA Polytechnic Institute and State U.	192,672	216,323	232,560	247,807	268,752	289,994	321,722	366,960
43	U. IA	236,944	255,348	288,808	292,035	312,914	334,144	346,357	363,243
44	MI State U.	238,436	265,946	289,787	321,410	325,438	333,735	358,097	360,852
45	Scripps Research Institute, The	NA	NA	NA	NA	307,910	330,170	367,375	360,511
46	U. MD College Park	252,429	267,383	324,980	321,899	325,648	338,648	354,244	359,760
47	U. MD Baltimore	224,346	239,007	266,822	297,271	317,293	304,396	405,260	358,851
48	U. AL Birmingham, The	233,461	231,702	255,053	284,497	310,950	318,536	331,436	351,457
49	U. IL Chicago	195,839	233,098	259,852	291,507	312,768	318,279	332,176	342,421
50	U. TX Southwestern Medical Ctr. Dallas	189,216	222,376	263,958	276,692	314,403	320,800	333,237	341,090
51	U. NE all campuses	192,639	223,964	247,948	276,424	299,550	333,126	333,243	336,468
52	U. GA	258,476	272,298	284,660	299,748	313,160	316,806	323,843	332,612
53	NC State U.	277,946	299,259	290,018	286,025	292,720	302,596	330,936	331,662
54	U. KY all campuses	202,392	211,721	236,275	272,062	297,610	306,653	323,958	331,606
55	U. Chicago	170,678	194,125	225,264	247,322	272,390	293,970	305,301	322,488
56	SUNY Buffalo all campuses	187,692	186,829	226,959	240,180	258,952	267,271	297,909	314,837
57	Rutgers, The State U. NJ all campuses	225,268	236,793	258,829	278,763	296,534	309,531	308,204	311,612
58	U. CA, Irvine	158,437	179,866	209,469	234,656	257,024	276,763	300,229	309,554
59	SUNY Albany	82,792	70,119	67,493	120,655	203,977	259,708	274,354	309,221
60	NY U.	182,205	190,722	222,978	241,593	259,333	276,198	284,164	297,867
61	IN U. all campuses	227,737	259,899	299,080	337,669	384,168	307,137	355,004	294,981
62	CO State U.	152,279	161,144	178,845	187,054	214,886	236,211	253,992	288,497
63	OR Health & Science U.	131,486	136,785	158,729	197,178	254,447	266,687	272,174	287,430
64	CA Institute of Technology	222,666	215,085	220,004	240,664	261,098	265,364	270,269	285,488
65	U. South FL	145,397	171,550	197,894	213,249	240,021	259,218	285,941	272,661
66	Mt. Sinai School of Medicine	149,846	176,946	185,335	203,853	212,786	225,293	273,216	269,451
67	SUNY Stony Brook all campuses	163,307	168,487	184,045	200,330	213,547	212,289	234,635	268,282
68	U. HI Manoa	161,300	156,976	161,823	179,285	236,368	230,651	249,635	266,447
69	Boston U.	154,029	172,031	192,612	224,841	240,867	246,520	255,615	249,279
70	U. UT	187,661	197,597	216,707	223,739	230,146	244,691	248,168	247,794
71	U. TN all campuses	163,690	161,898	188,261	217,389	228,760	255,699	249,072	243,184
72	U. of Medicine and Dentistry NJ	140,951	162,417	178,156	190,763	209,134	239,778	245,771	236,834
73	Wayne State U.	156,814	175,984	199,007	214,642	225,475	226,331	220,731	235,186
74	Rockefeller U.	124,138	145,571	166,603	192,143	192,222	198,719	215,417	233,917
75	U. VA all campuses	140,416	149,547	182,340	206,199	228,532	235,058	238,754	230,181
76	U. MO-Columbia	158,861	174,782	177,011	205,212	217,550	220,718	215,240	228,654
77	U. CT all campuses	161,084	164,366	172,003	190,341	211,236	219,982	215,184	224,679

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
78	AZ State U.	108,117	118,763	123,016	145,591	152,164	166,923	201,955	224,352
79	IA State U.	175,558	179,196	188,664	199,566	211,996	209,545	221,998	217,158
80	Clemson U.	114,903	123,885	134,840	152,986	158,585	175,127	179,840	211,760
81	U. Miami	145,795	153,772	171,319	177,709	194,446	209,572	213,516	210,534
82	WA State U.	104,796	107,937	146,862	175,181	171,735	182,677	196,391	210,010
83	MS State U.	132,503	146,939	158,652	165,922	191,352	179,825	189,917	206,207
84	U. KS all campuses	148,670	156,467	172,131	173,024	181,192	190,105	195,947	202,129
85	Carnegie Mellon U.	137,980	144,882	188,191	186,351	205,149	200,297	212,506	197,143
86	Dartmouth C.	78,874	109,096	126,839	155,795	173,266	179,094	200,277	192,846
87	Yeshiva U.	139,618	148,230	157,124	177,236	183,253	193,104	189,416	192,199
88	U. TX Health Science Ctr. Houston	119,587	125,439	138,380	149,294	147,328	152,631	175,154	191,724
89	U. CA, Santa Barbara	118,154	116,372	131,795	149,130	151,325	165,014	174,429	191,204
90	FL State U.	105,095	113,817	134,351	152,277	168,132	172,858	185,633	189,565
91	OR State U.	140,751	153,925	161,735	167,631	170,286	180,309	189,606	189,368
92	Princeton U.	134,875	149,411	164,408	179,951	188,373	202,380	188,165	188,732
93	Wake Forest U.	86,840	98,343	111,634	130,405	133,753	185,152	183,129	185,609
94	Medical U. SC	65,243	116,687	132,030	150,551	163,179	178,086	176,055	184,624
95	U. TX Medical Branch	97,896	102,722	129,534	153,122	166,798	174,254	179,915	183,492
96	U. NM main campus	133,980	156,619	150,598	158,239	170,085	178,703	181,223	177,430
97	U. OK all campuses	150,902	148,695	169,373	174,466	158,578	173,663	178,719	176,825
98	U. TX Health Science Ctr. San Antonio	103,824	115,154	129,616	133,304	137,039	142,375	150,040	160,282
99	U. SC all campuses	104,398	109,973	123,108	121,410	121,671	122,212	153,737	158,857
100	Medical C. WI	70,581	83,857	96,700	108,608	139,235	143,540	147,140	158,171
101	U. MA Worcester	97,587	111,221	132,729	148,823	169,090	176,349	156,452	157,469
102	Brown U.	81,476	91,636	109,482	125,090	130,741	138,262	157,926	152,619
103	U. AK Fairbanks all campuses	102,500	110,195	116,279	128,916	132,212	139,488	153,470	151,782 e
104	U. Louisville	64,062	72,857	80,974	88,522	110,653	128,347	135,873	151,226
105	NM State U. main campus	79,695	86,963	103,078	108,613	93,329	125,427	164,994	148,120
106	U. MA Amherst	96,907	97,976	109,332	113,512	120,788	127,487	135,272	141,351
107	Auburn U. all campuses	92,612	106,347	108,775	117,000	125,705	132,203	126,522	140,629
108	UT State U.	103,161	121,359	121,621	138,862	153,616	131,624	138,670	138,065
109	Woods Hole Oceanographic Institution	81,547	91,029	99,964	104,223	114,087	117,517	121,888	137,410
110	Tulane U.	89,785	99,761	102,998	117,709	123,677	138,959	114,397	137,107
111	VA Commonwealth U.	88,220	99,180	109,619	126,451	132,839	146,105	149,256	134,453
112	WV U.	66,130	71,311	84,985	104,748	108,002	115,398	122,134	133,590
113	Georgetown U.	133,211	99,228	105,668	117,713	126,320	123,938	118,558	131,785
114	Tufts U.	105,783	105,806	109,291	112,609	126,432	131,028	128,965	130,826
115	U. CA, Riverside	83,580	94,455	111,936	112,468	110,627	122,221	124,820	128,243
116	George Washington U.	69,300	73,805	86,288	92,454	103,473	107,715	113,982	126,110

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
117	U. CA, Santa Cruz	56,212	64,253	70,967	78,448	94,297	105,617	114,126	124,856
118	KS State U.	91,790	94,030	106,804	112,733	119,306	123,398	123,746	123,900
119	U. CA Office of the President	NA	NA	NA	NA	90,233	97,245	128,770	118,910
120	U. DE	74,711	77,491	85,157	100,706	109,985	110,339	114,985	118,245
121	MT State U. Bozeman	65,324	69,593	78,211	91,503	97,696	109,465	112,428	116,999
122	U. NH	72,108	87,879	93,222	96,415	103,935	108,378	115,117	114,228
123	U. VT	63,391	75,597	88,602	104,994	114,120	115,693	121,841	113,195
124	U. Central FL	47,646	79,287	66,351	89,880	103,261	102,702	107,996	111,595
125	U. AR for Medical Sciences	49,074	51,921	45,046	63,677	74,063	91,516	107,871	108,551
126	U. MS all campuses	44,927	58,410 i	71,893 i	85,378	79,867	91,913	93,471	108,244
127	Thomas Jefferson U.	89,626	88,936	102,974	109,083	112,078	107,388	106,986	107,288
128	ND State U. all campuses	50,063	64,882	72,105	91,812	102,115	103,011	103,778	106,208
129	OK State U. all campuses	88,285	90,311	94,987	103,079	103,915	99,436	100,323	101,112
130	U. AR main campus	70,817	78,303	83,063	82,277	88,918	98,138	99,271	101,109
131	Drexel U.	24,876	27,698	44,465	69,548	76,120	88,049	96,687	96,575
132	U. ME	54,821	64,070	62,149	68,923	81,216	75,066	93,153	96,135
133	U. NV, Reno	56,248	59,229	66,721	80,553	83,552	95,579	98,917	95,809
134	FL International U.	34,649	44,291	47,654	52,175	63,545	76,678	63,567	90,903
135	NJ Institute of Technology	47,895	62,747	69,138	73,664	74,998	76,920	77,583	88,699
136	Temple U.	52,466	60,182	63,850	71,327	76,055	83,062	79,736	85,394
137	Rush U.	68,189	70,219	79,394	89,196	89,254	83,693	83,194	84,370
138	NM Institute of Mining and Technology	23,636	28,392	36,309	37,186	38,476	56,134 i	73,792	83,742
139	U. ID	61,347	67,496	76,758	85,213	93,246	91,009	86,863	83,390
140	U. WY	43,094	41,632	41,632 e	60,054	60,054 e	83,449	89,414	79,700
141	TX A&M U. System Health Science Ctr.	25,736	40,859	49,636	55,031	64,170	73,162	76,109	77,957
142	U. of Notre Dame	34,524	46,096	52,371	59,803	74,255	71,266	78,553	77,467
143	Rensselaer Polytechnic Institute	40,762	45,010	45,955	50,777	56,907	65,571	70,576	77,238
144	U. RI	48,135	50,835	53,347	61,818	60,947	60,252	70,696	76,237
145	U. Dayton	39,345	41,343	46,554	52,943	63,734	67,445	69,080	74,005
146	U. Houston	48,902	51,567	59,707	63,455	60,962	80,731	75,662	73,542
147	Northeastern U.	35,340	34,467	38,540	42,931	47,283	63,514	66,495	71,502
148	Uniformed Services U. of the Health Sciences	23,987	23,247	28,630	30,604	89,999	78,694	67,716	71,307
149	U. AL Huntsville, The	41,274	43,731	48,353	46,595	49,259	54,601	59,231	70,027
150	Rice U.	41,840	42,675	48,169	52,367	60,872	63,102	66,564	69,772
151	U. MD Baltimore County	26,044	29,641	36,323	42,906	49,403	58,467	65,718	66,968
152	San Diego State U.	55,002	58,332	64,302	67,053	66,710	73,887	73,777	65,810
153	Southern IL U. Carbondale	36,354	43,207	53,604	53,018	53,953	57,434	74,520	64,703
154	Naval Postgraduate School	40,827 i	47,559 i	54,291 i	61,025	56,184 i	51,343	56,780	63,392
155	U. ND all campuses	17,343	19,692	33,973	41,803	49,595	46,798	56,074	63,036

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
156	U. MD Biotechnology Institute	29,946	41,627	43,673	45,140	47,725	56,135	59,297	61,757
157	U. OR	35,934	36,881	43,723	44,604	51,956	52,657	57,153	61,694
158	Medical C. GA	45,596	52,191	51,705	56,398	58,808	67,278	61,174	60,001
159	George Mason U.	26,793	32,881	38,849	44,980	46,210	42,630	50,381	58,252
160	TX Tech U.	66,263	69,918	82,785	92,515	57,592	56,623	58,591	57,878
161	Brandeis U.	47,658	52,818	47,122	50,841	51,498	54,136	57,017	56,831
162	U. MT-Missoula, The	29,590	33,535	39,367	43,562	51,078	54,685	52,903	55,755
163	MI Technological U.	27,204	29,613	30,005	30,264	35,670	40,188	43,081	55,294
164	St. Louis U. all campuses	31,002	32,442	35,444	41,189	41,189 e	47,356	48,133	54,265
165	U. NV, Las Vegas	24,215	27,008	30,527	42,205	45,429	48,343	57,031	53,049
166	U. Toledo	13,694	16,278	24,825	24,123	27,708	32,351	30,493	52,448
167	Old Dominion U.	25,058	24,659	29,223	30,324	34,819	47,006	49,966	52,134
168	Charles R. Drew U. of Medicine and Science	31,045	36,717	48,839	49,888	51,994	43,231	47,188	52,118
169	U. LA Lafayette	32,692	32,073	47,796	43,769	55,218	44,620	47,308	52,075
170	GA State U.	36,600	38,960	44,564	45,653	45,415	50,262	52,690	51,387
171	C. of William and Mary all campuses	33,299	35,829	39,858	43,974	49,420	50,146	52,025	49,854
172	Wright State U. all campuses	29,092	32,033	30,962	34,860	38,052	40,328	47,711	49,713
173	Wichita State U.	16,213	16,142	18,842	22,401	29,948	32,726	31,873	47,398
174	U. Southern MS	17,706	20,286	25,685	35,049	35,908	37,881	39,163	47,135
175	U. TX Dallas	15,684	15,684 e	26,198	30,748	31,274	43,111	44,198	46,477
176	U. Memphis, The	27,381	29,445	33,625	38,728	44,120	49,961	43,715	44,359
177	U. MD Ctr. for Environmental Science	31,605	36,635	38,501	38,344	39,631	41,022	40,146	40,720
178	Desert Research Institute	25,691	29,697	29,465	31,757	34,783	34,570	38,511	40,238
179	U. WI Milwaukee	20,010	23,492	24,933	27,259	28,268	32,748	34,033	40,023
180	U. TX El Paso	20,877	21,889	23,684	27,185	25,440	26,825	32,161	39,965
181	SUNY Upstate Medical U.	17,095	17,294	22,326	25,931	32,090	34,931	37,181	39,699
182	Boston C.	27,767	30,768	31,754	32,158	32,158 e	31,588	35,659	39,261
183	SD State U.	16,784	19,717	20,085	27,652	30,962	32,042	33,275	39,033
184	U. PR Medical Sciences Campus	21,373	23,913	29,089	31,124	34,092	35,809	38,424	38,863
185	OH U. all campuses	23,767	27,146	36,601	37,527	38,704	43,229	38,000	38,671
186	Howard U.	27,254	30,148	35,387	37,577	41,404	41,609	36,465	38,020
187	Jackson State U.	12,027	25,663	25,445	28,843	31,641	35,876	38,273	36,888
188	Lehigh U.	25,506	29,058	22,687	29,211	32,048	36,709	33,469	36,537
189	Syracuse U. all campuses	40,063	42,476	45,870	48,846	58,276	62,020	36,100	36,396
190	U. AL, The	31,847	33,133	37,130	34,187	35,132	34,531	35,129	36,382
191	SUNY Binghamton	18,661	18,992	21,343	23,090	25,405	25,769	29,635	35,462
192	Loyola U. Chicago	30,034	37,156	37,607	37,581	36,134	40,551	37,669	34,940
193	U. MA Lowell	19,334	20,656	22,827	22,783	22,163	23,852	27,635	34,824
194	U. Southern ME	1,366 e	4,479 i	7,592 i	10,705 i	13,818 i	16,931 i	20,045	34,799

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
195	NY Medical C.	23,348	24,283	25,222	30,492	33,521	32,460	34,397	34,365
196	San Jose State U.	21,005 e	22,709	25,003	28,323	29,268	32,886	34,687	34,241
197	Meharry Medical C.	9,460 e	14,984 i	20,508	25,427	27,507	29,105	32,878	33,218
198	CUNY The City C.	17,059	17,099	17,103	17,712	25,947	28,992	30,316	32,840
199	U. TX Arlington	10,723	17,486	15,097	15,102	19,003	28,971	29,267	32,734
200	Eastern VA Medical School	23,299	26,250	28,572	32,801	33,798	33,721	33,013	31,453
201	U. TX San Antonio	10,292	11,331	11,115	13,654	15,738	22,429	30,259	30,542
202	U. MO-Rolla	25,968	28,799	32,222	35,999	41,242	38,337	37,384	30,395
203	CO School of Mines	21,795	23,654	26,515	29,162	27,087	26,499	28,729	29,939
204	SUNY Health Science Ctr. Brooklyn	31,626	31,626 e	31,153 i	30,680 i	30,207 i	29,732	31,064	29,809
205	Creighton U.	15,841	17,674	18,982	24,116	25,451	27,022	25,615	28,374
206	U. North TX Health Science Ctr. Ft. Worth	10,131	11,035	12,893	15,388	18,520	22,325	25,124	28,187
207	Loma Linda U.	24,369	24,183 i	23,996	26,296	29,651	29,898	32,451	28,020
208	Morehouse School of Medicine	16,889	19,670	23,956	27,154	33,317	30,652	28,378	27,886
209	U. Akron all campuses	19,495	22,266	28,080	27,953	27,488	26,888	28,440	27,138
210	CUNY Hunter C.	15,047	19,964	25,905	32,704	34,931	33,024	31,308	27,046
211	Southern IL U. Edwardsville	1,344	1,270	14,043	17,100	18,973	20,883	23,737	26,904
212	U. MO-Kansas City	19,647	18,795	24,060	31,104	31,968	30,780	26,016	26,870
213	FL Atlantic U.	19,535	25,111	23,995	25,946	23,767	27,388	28,896	26,769
214	Brigham Young U. all campuses	17,237	19,171	21,228	22,557	23,565	23,961	25,973	26,653
215	Northern AZ U.	12,570	14,657	17,263	17,446	19,967	22,870	27,632	26,566
216	Portland State U.	16,494	16,838	17,683	21,433	21,433 e	28,940	28,763	26,025
217	U. MA Boston	12,058	11,672	13,121	15,793	15,460	18,148	21,056	25,952
218	U. South AL	9,865	9,865 e	17,692	19,371	20,096	19,431	19,308	25,883
219	Stevens Institute of Technology	15,879	13,855	13,855 e	18,334 i	22,814	22,997	25,848	25,684
220	NC Agricultural and Technical State U.	13,400	15,629	15,353	17,304	19,534	22,936	23,698	24,044
221	Hampton U.	9,323	9,158	11,067	18,673	31,645	42,969	28,705	24,017
222	SUNY C. of Environmental Science and Forestry	26,663	27,854	26,337	26,783	19,419 i	12,054	17,954 i	23,854
223	Miami U. all campuses	10,674	12,804	13,279	13,727	15,377	18,026	19,229	23,729
224	IL Institute of Technology	13,734	14,722	19,909	25,744	22,948	25,498	22,646	22,955
225	Marshall U.	6,231	7,218	11,285	15,070	20,221	22,321	18,385	22,519
226	U. NC Charlotte	7,790	7,905	8,773	12,599	17,425	16,042	18,463	22,165
227	U. SD	4,742	5,546	8,368	11,148	15,523	18,681	22,613	21,473
228	U. PR Rio Piedras Campus	9,308	10,341	9,736	11,473	12,417	20,546	21,609	21,379
229	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	19,827	18,697	22,013	21,006
230	Rochester Institute of Technology	4,755	11,416	13,500	17,197	19,423	21,068	22,107	20,961
231	San Francisco State U.	5,223 e	5,223 e	14	12,500	42,903	23,655	27,333	20,069
232	Catholic U. America, The	9,329	17,539	22,883	24,475	23,610	21,489	17,662	19,919
233	ID State U.	8,899	8,847	10,119	12,243	14,385	19,700	16,754	19,887

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
234	U. PR Mayaguez Campus	34,683	18,627	19,939	20,029	16,686	20,492	21,080	19,813
235	U. MA Dartmouth	6,905	9,488	15,030	16,476	18,074	19,452	19,171	19,538
236	Kent State U. all campuses	10,817	11,316	12,868	14,549	12,712	11,045	11,076	19,001
237	Mercer U. all campuses	18,138	15,337	12,998	14,996	18,437	20,042	19,529	18,096
238	U. of the VI	3,310 e	8,645 i	13,981	15,762	17,874	16,735	17,495	17,842
239	Western MI U.	14,230	14,976	19,023	21,571	13,912	17,518	18,005	17,182
240	U. NC Wilmington	7,859	10,307	14,568	12,762	14,381	20,617	13,609	17,064
241	Clarkson U.	7,751	8,322	8,322 e	7,466	14,703	13,826	16,143	16,976
242	Air Force Institute of Technology	7,771	8,311	9,243	12,454	13,001	14,666	18,783	16,801
243	Northern IL U.	7,431	9,028	10,366	12,368	11,687	11,239	16,627	16,710
244	FL A&M U.	21,612	23,865	31,147	23,503	31,408	26,400	34,293	16,541
245	East Carolina U.	8,461	10,535	11,513	12,520	13,296	14,240	14,061	15,970
246	Cleveland State U.	10,214	12,986	13,855	14,112	16,888	15,884	14,496	15,948
247	Albany Medical C.	11,522	12,836	13,104	13,394	15,562	15,465	16,227	15,029
248	U. Tulsa	10,054	12,553	11,603	11,527	15,375	12,740	12,358	14,735
249	CA State Polytechnic U. San Luis Obispo	12,133	12,193	14,002	13,598	9,417	11,235	12,529	14,517
250	U.S. Air Force Academy	4,551	5,323	25,589	27,198	29,998	29,438	10,547	14,504
251	SD School of Mines and Technology	5,743	6,922	9,692	10,853	10,626	13,347	12,589	14,480
252	Tuskegee U.	8,893	9,539	9,965	10,067	11,519	10,966	11,651	14,329
253	Polytechnic U.	15,500	8,277	10,915	11,271 i	11,627	15,295	14,479	14,216
254	U. North TX	9,108	14,224	13,227	13,990	11,958	12,617	14,819	14,207
255	LA Tech U.	10,228	9,986	12,110	15,055	16,118	15,832	15,276	14,166
256	CA State U. Long Beach	32,551	3,995	8,026	13,732	9,877	9,594	10,322	13,867
257	TX A&M U. Kingsville	7,404	6,919	8,208	10,203	11,102	13,389	13,343	13,794
258	AL A&M U.	8,238	11,977 i	15,717	36,856	17,429	16,075	14,431	13,672
259	Worcester Polytechnic Institute	10,315	9,348	10,493	12,357	14,045	14,679	14,483	13,409
260	Southern Methodist U.	9,713	8,948	9,774	9,890	10,432	11,839	12,475	13,381
261	Teachers C. Columbia U.	8,561	9,676	10,409	9,603	9,684	10,669	11,411	12,585
262	TN State U.	11,285	12,791	15,262	14,306	15,255	14,669	14,096	12,475
263	CA State U. Northridge	6,190	6,190 e	10,619	11,638	10,305	8,767	7,490	12,412
264	TN Technological U.	8,878	9,347	9,823	9,609	8,779	9,312	9,575	12,226
265	Rosalind Franklin U. of Medicine and Science	7,587	8,037	8,645	9,923	10,614	11,920	10,981	12,199
266	Prairie View A&M U.	9,464	11,297	10,444	11,193	10,989	11,810	11,444	12,019
267	TX A&M U. Corpus Christi	5,999	5,606	9,124	10,281	12,266	8,845	12,654	11,933
268	Morgan State U.	4,371	2,390	1,674	7,493	8,580	9,544	13,523	11,257
269	Boise State U.	3,480	6,153	6,446	7,583	9,126	9,162	7,848	10,947
270	U. CA, Merced	na	na	na	na	na	4,468	7,527	10,945
271	U. MO-St. Louis	9,898	10,084	11,519	12,819	12,429	12,056	11,713	10,907
272	Villanova U.	5,280	5,380 i	5,481 e	6,479 i	7,477 i	8,475 i	9,473 i	10,473

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
273	Western KY U.	3,770	4,165	5,281	4,263	5,729	6,607	8,701	10,402
274	CA State U. Los Angeles	9,062	5,557	7,933	7,073	8,728	10,130	8,956	10,053
275	U. Denver	8,383	12,944	10,539	9,949	12,500	11,716	10,581	9,833
276	Marquette U.	7,653	7,236	9,807	11,385	9,652	10,338	10,445	9,744
277	U. AR Little Rock	3,400 e	2,088	2,088 e	24,284	4,127	4,345	9,331	9,683 i
278	Universidad Central del Caribe	5,677	6,943	7,103	8,274	9,797	9,181	8,790	9,446
279	Southwest MO State U.	1,324 e	1,550	1,888	1,423	2,935	6,367	5,188	9,320
280	CUNY Queens C.	3,827	4,595	6,718	6,430	6,819	6,876	7,432	9,186
281	Tarleton State U.	3,872	6,607	7,871	8,534	7,194	8,512	8,069	9,151
282	Bowling Green State U. all campuses	3,454 e	5,028	5,327	7,336	8,271	9,746	9,912	9,120
283	Ponce School of Medicine	3,403	3,842	4,365	7,491	10,140	7,840	7,654	9,103
284	Alcorn State U.	8,034	7,370	5,809	7,619	7,622	6,256	6,593	9,056
285	Baylor U.	3,307	2,698	3,868	4,203	5,242	6,364	6,133	8,951
286	Oakland U.	6,422 e	7,397	6,869	6,175	6,616	6,505	9,169	8,872
287	Duquesne U.	2,662	5,003	5,955	6,848	8,082	8,096	8,345	8,850
288	Clark Atlanta U.	16,891	17,173	17,194	12,760	13,576	12,790	11,155	8,543
289	CA State U. San Bernardino	1,797	1,906	3,740	7,576	8,755	8,905	11,120	8,323
290	VA State U.	4,422	5,066	7,144	7,209	5,953	5,048	8,189	8,170
291	U.S. Military Academy	5,148 i	5,577 i	6,006 i	6,435 i	6,864 i	7,293 i	7,722 i	8,167
292	East TN State U.	6,494	8,222	11,701	12,971	7,788	8,098	7,943	8,020
293	U.S. Naval Academy	2,786	3,140	2,324	3,451	5,985	6,623	6,850	7,973
294	Embry-Riddle Aeronautical U.	2,700 e	7,711	5,102	6,641	8,558	13,325	10,628 i	7,930
295	U. HI Hilo	NA	NA	10,841	5,317	4,978	9,596	7,843	7,926
296	Ball State U.	2,429	3,071	4,008	3,878	7,483	8,490	8,625	7,913
297	TX State U. San Marcos	4,507	8,884	8,109	7,621	9,130	7,261	7,034	7,890
298	Wesleyan U.	5,673	5,846	5,614	6,682	7,741	8,036	8,170	7,878
299	New School, The	5,209	5,791	5,791 e	3,435	5,642	5,889	6,950	7,795
300	AR State U. main campus	1,203	1,347	1,278	2,634	4,572	4,035	6,007	7,494
301	DE State U.	3,415	2,494	3,162	3,944	4,678 i	5,412	7,016	7,418
302	U. AK Anchorage all campuses	4,782 e	8,233 i	11,685 e	12,326	13,285	13,594	8,844	7,122
303	Humboldt State U.	5,557 e	5,714 i	5,871 i	6,028 i	6,185 i	6,342 i	6,500	7,087
304	U. GU	4,130	3,752	4,571	6,989	9,458	8,531 i	7,604	7,059
305	U. Central AR	1,758	2,405	2,306	3,229	3,559	3,950	7,002	7,036
306	CA State U. Monterey Bay	ne	1,911	1,911 e	2,644	3,002	4,045	4,107	7,032
307	Wheeling Jesuit U.	2,104 i	2,804 i	3,504 i	4,204 i	4,904 i	5,604 i	6,304 i	7,005
308	FL Institute of Technology	6,058	6,195	6,669	8,004	7,801	7,539	7,684	6,985
309	Stephen F. Austin State U.	5,289	4,994	5,582	4,954	3,663	4,144	8,171	6,957
310	Nova Southeastern U.	2,919	2,594	3,327	4,752	5,139	5,789	6,445	6,697
311	Norfolk State U.	3,408	3,984	4,967	4,532	6,200	6,758	5,144	6,491

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
312	Western WA U.	3,433	3,560	4,019	4,716	4,519	4,711	6,453	6,371
313	U. NC Greensboro	2,368 e	3,881	4,454	3,454	3,762	4,843	6,059	6,130
314	CA State U. Dominguez Hills	998	4,311	3,970	4,503	5,320	3,088	3,190	6,016
315	Fisk U.	3,401	2,722	3,030	3,000	5,000	6,000	6,000	6,000
316	Fordham U.	3,584	3,639	3,793	3,814	3,391	3,413	6,033	5,908
317	U. AR Pine Bluff	4,695 i	5,240	5,976	6,543	6,246	6,685	6,774	5,831
318	Southern U. and A&M C. all campuses	8,302	7,306 i	6,310 i	5,314 i	4,317	4,333 i	4,350	5,590
319	Lincoln U. (Jefferson City, MO)	2,502	2,236	3,291	2,601	2,181	2,656	5,395	5,573
320	MT Tech of the U. MT	4,155	4,616	4,797	6,155	5,952	5,947	6,372	5,537
321	Alfred U. all campuses	6,442	6,678	6,916	6,360	6,395	8,239	6,347	5,474
322	James Madison U.	1,121	1,449	2,867	4,484	5,442	5,009	4,799	5,455
323	Morehouse C.	2,853 e	2,994 i	3,135 i	3,276 i	3,417 i	3,559	6,008	5,445
324	C. Charleston	3,047	3,069	3,295	3,716	4,875	4,433	5,719	5,308
325	CA State U. Fresno	11,598	4,531	9,398	13,558	15,211	13,498	9,749	5,297
326	U. PR Humacao	ne	ne	ne	ne	3,382	3,540	4,429	5,220
327	U. TX-Pan American	1,688	2,279	2,336	2,920	3,747	4,038	5,006	5,217
328	U. NC Asheville	861	1,269	1,232	1,108	1,644	3,021	3,192	5,202
329	U. DC	2,737	3,001	4,223	4,125	4,693	4,426	5,065	5,165
330	Northeastern OH Universities C. of Medicine	4,011	4,532	4,525	4,364	5,601	5,703	5,294	4,984
331	CUNY Brooklyn C.	6,342	6,442	6,217	5,575	3,917	3,731	4,621	4,960
332	Clark U.	2,908	3,039	3,418	5,638	5,638 e	4,480	5,304	4,899
333	CUNY Herbert H. Lehman C.	1,632	2,255	2,955	3,981	3,291	4,019	4,476	4,852
334	U. West FL	6,248	7,395	8,652	15,354	7,805	9,712	4,429	4,840
335	IL State U.	4,434	3,902	3,848	3,963	4,498	5,203	4,874	4,831
336	Rowan U.	ne	ne	ne	6,011	6,177	4,944	4,581	4,772
337	U. LA Monroe	8,135 e	7,373 i	6,611 i	5,849 i	5,086	5,524	4,376	4,674
338	West TX A&M U.	1,751	4,515	5,261	4,734	3,879	3,463	4,523	4,638
339	Wellesley C.	5,313 i	5,498	5,498 e	5,733	5,714	4,252	4,032	4,634
340	Central MI U.	755 e	2,032	2,252	2,339	5,681	4,938	4,033	4,512
341	Grand Valley State U.	1,138	1,161	2,374	2,237	4,408	3,354	3,375	4,414
342	Langston U.	2,553	2,863	3,975	4,332	3,578	4,371	4,416	4,405
343	Xavier U. LA	3,425	5,113	6,413	5,515	5,585	4,784 i	3,982	4,394
344	CUNY Graduate Ctr.	739	2,906	2,391	3,068	5,106	5,943	3,913	4,380
345	NC Central U.	1,649 i	2,473 i	3,297 i	4,121 i	4,945 i	5,769 i	6,597	4,337
346	CA State U. Fullerton	5,515 i	7,398 i	9,282	5,318	4,432	4,167	4,522	4,311
347	OR Institute of Technology	ne	ne	1,025	1,752	2,378	3,018	4,047	4,155
348	U. of the Pacific	1,020	1,241	1,891	1,877	2,961	3,750	4,161	4,131
349	Williams C.	1,853 e	2,407 i	2,961	3,295	3,130	3,459	4,074	3,983
350	TX Christian U.	3,050	3,678	3,300	3,693	3,960	4,216	4,090	3,924

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
351	Bryn Mawr C.	2,791	3,066	3,502	4,705	5,664	4,400	4,254	3,881
352	U. North FL	ne	1,222	2,061	4,421	3,029	3,448	4,110	3,875
353	SC State U.	2,915	2,915 e	2,931	3,225	3,548	3,796	3,796	3,796
354	Spelman C.	2,082	3,406	3,082	2,298	2,481	2,759	3,084	3,741
355	Milwaukee School of Engineering	2,020	2,117	2,499	2,448	3,146	2,628	2,933	3,740
356	Lamar U.	3,204	3,441	4,030	4,029	3,365	3,375	3,277	3,695
357	TX Southern U.	2,182	2,468	4,189	3,088	4,088	4,641	4,299	3,688
358	St. Francis U. (Loretto, PA)	ne	ne	ne	ne	ne	4,981	4,114	3,677
359	KY State U.	2,354 i	3,996	6,188	6,395	3,298	3,044	3,340	3,548
360	Gallaudet U.	1,752	1,824	1,950	2,013	1,804	2,202	2,013	3,520
361	CA State U. East Bay	1,904 i	2,176 i	2,455	1,559	2,160	3,259	2,833	3,509
362	Smith C.	2,582	2,578	1,827	2,194	2,631	2,749	3,884	3,498
363	CUNY C. Staten Island	1,208	1,635	1,944	2,540	2,730	2,577	2,282	3,494
364	FL Gulf Coast U.	ne	ne	ne	ne	1,407	2,678	3,133	3,479
365	U. Northern IA	1,744	1,961	2,254	1,821	1,424	1,353	1,205	3,455
366	U. WI La Crosse	1,404	1,563	1,939	1,483	1,963	3,246	2,838	3,414
367	U. MD Eastern Shore	3,895	5,626	5,905	5,124	5,272	5,568	4,454	3,408
368	Rose-Hulman Institute of Technology	4,994	18,540	7,912	13,201	6,388	4,914	4,700	3,271
369	Albany C. of Pharmacy	1,360	1,208	906	894	855	2,565	2,307	3,248
370	Mt. Holyoke C.	1,835	1,734	2,644	3,174	2,877	3,179	2,563	3,127
371	Claremont Graduate U.	2,416	2,369	1,949	1,652	2,295	2,677	3,100	3,121
372	Pomona C.	1,791	1,298	2,063	1,962	1,996	2,153	2,584	3,108
373	U. WI Stevens Point	1,227	1,827	1,849	1,980	2,042	1,926	2,335	3,077
374	Sul Ross State U.	796	779	767	838	1,058	2,375	2,676	3,056
375	Eastern MI U.	4,118	2,992	3,164	4,051	3,266	5,910	3,580	3,027
376	Long Island U. all campuses	1,267	1,201	1,477	1,769	1,377	1,684	2,880	2,969 i
377	Black Hills State U.	ne	ne	ne	ne	1,184	1,566	2,628	2,935
378	St. Joseph's U.	975	1,628	2,703	2,660	3,250	3,195	3,037	2,930
379	Amherst C.	1,859	1,802	2,115	2,115 e	2,604	2,725	3,388	2,926
380	Appalachian State U.	694	752	781	986	555	1,076	2,158	2,912
381	Dillard U.	264	349	528	668	679	1,401 i	2,123 i	2,846
382	DePaul U.	863	1,628	2,389	3,086	3,748	4,321	3,957	2,839
383	CA State U. Chico	2,390	3,904	5,486	4,427	4,500 e	2,620	2,767 i	2,814 i
384	WV State U.	55 e	63 e	519 i	975 i	1,433	2,537	2,467	2,765
385	Barnard C.	1,347	1,376	1,064	1,516	1,516 e	3,068	2,742	2,764
386	La Salle U.	126	294	20	104	260	ne	243	2,758
387	Harvey Mudd C.	5,699 e	4,820 i	3,941 i	3,062 i	2,180 e	1,738	2,301	2,739
388	American U.	2,245	2,565	4,420	2,517	1,745	1,542	2,410	2,713
389	NY Institute of Technology all campuses	390	571	380	1,928 i	3,476	3,505	3,613	2,708

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
390	Seton Hall U.	996	826	1,200	1,779	1,941	3,418	2,395	2,685
391	St. Cloud State U.	1,935 e	2,066 i	2,197 i	2,329	2,005	2,657	2,224	2,656
392	Ft. Valley State U.	2,768	2,768 e	2,985	2,892	2,596	2,497	2,570	2,610
393	Hope C.	922	1,417	1,514	1,457	2,213	2,060	2,926	2,603
394	Western Carolina U.	580	763	653	577	2,414	1,516	1,905	2,602
395	Murray State U.	2,084	2,331	2,112	2,778	4,059	3,506	3,364	2,555
396	CUNY York C.	1,341	1,117	1,664	1,829	1,710	1,513	1,525	2,550
397	Pittsburg State U.	1,663	2,161	1,951	1,894	2,101	2,522	2,810	2,533
398	U. WI Superior	380	404	889	1,057	1,136	1,140	1,844	2,501
399	Sam Houston State U.	3,053	2,441	2,976	2,404 i	1,832 i	1,258	1,958	2,500
400	CA State Polytechnic U. Pomona	1,703	2,498	2,806	3,922	4,059	2,765	2,502	2,466
401	Arcadia U.	ne	ne	ne	ne	ne	324 i	334 i	2,450
402	Central WA U.	2,006	1,880	1,738	2,698	3,134	1,893	2,183	2,431
403	Midwestern U. (Chicago, IL)	2,470	2,421	2,562	2,725	2,816	3,204	2,786	2,358
404	Macalester C.	1,695 i	1,923	3,024	2,091	2,371	2,081	2,351	2,349
405	Central State U.	560 e	763 i	966 i	1,169 i	1,372 i	1,579	2,320	2,320
406	Savannah State U.	905	2,181	2,206	2,150 i	2,094	2,421	2,342	2,301
407	CUNY John Jay C. of Criminal Justice	1,274	1,070	844	930	900	932	779	2,259
408	SUNY C. of Optometry	1,001	1,435	1,750	3,187	2,435	2,481	1,913	2,231
409	Colgate U.	1,664	1,694	1,544	1,425	1,927	1,308	1,837	2,217
410	Kettering U.	625	1,161	1,311	1,295	661	1,758	3,473	2,209
411	Bowdoin C.	576	512	1,176	1,673	2,073	2,254	2,281	2,186
412	U. New England	ne	ne	ne	ne	ne	ne	1,528	2,154
413	Fairfield U.	1,061	1,648	810	1,024	1,926	1,897	1,806	2,148
414	Eastern WA U.	2,108	2,620	2,275	1,156	1,339	1,711	1,999	2,136
415	Middle TN State U.	733	799	479	2,219	2,421	2,166	2,015	2,135
416	Chicago State U.	1,263	1,415	1,297	1,155	1,493 i	1,832	2,119	2,124
417	Union C. (Schenectady, NY)	1,002	1,045	2,316	2,086	4,068	2,571	1,992	2,086
418	Winston-Salem State U.	3,447	6,057	2,022	2,022 e	2,073 e	2,176 i	1,864 i	2,086 i
419	Calvin C.	1,191	1,300	1,509	1,714	1,907	1,857	1,540	2,063
420	TX Woman's U.	3,005	2,898	2,822	2,932	2,120	1,871	1,975	2,047
421	Lawrence Technological U.	821	681	539	471	655	917	2,137	2,001
422	Franklin & Marshall C.	1,188	698	989	1,028	1,300	2,225	1,645	1,993
423	Bowie State U.	2,675 e	2,207	2,330	2,206	1,883	2,033	1,951	1,960
424	U. Richmond	1,178	1,271	1,786	1,470	1,625	2,097	1,923	1,958
425	U. Hartford	1,061	1,068	1,130	1,336	1,136	1,360	1,633	1,923
426	Southern CT State U.	596	596 e	361	2,911	424	2,671	2,295 i	1,918
427	Hamilton C. (Clinton, NY)	1,027	931	1,821	1,459	1,393	1,742	1,504	1,907
428	Oglala Lakota C.	ne	ne	ne	ne	ne	ne	ne	1,903

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
429	AL State U.	1,365 e	1,433 e	1,433	1,633	1,688	1,900	1,900	1,900
430	Elizabeth City State U.	1,558	1,248	1,058	1,103	1,044	929	703	1,892
431	Bradley U.	1,371	1,197	1,928	1,755	1,638	1,606	1,905	1,860
432	Carleton C.	1,245	1,176	1,688	1,965	1,897	2,039	1,785	1,852
433	CA State U. Bakersfield	3,703	3,703 e	4,344 i	4,985 i	5,626 i	6,268	6,379	1,833
434	Middlebury C.	1,371	1,285	1,587	1,587 e	1,647 i	1,707 i	1,767 i	1,830
435	Shaw U.	100 e	487 i	874 i	1,261	1,270	1,864	1,815	1,826
436	U. Northern CO	1,128	1,265	1,376	2,240	1,966	2,269	2,566	1,822
437	GA Southern U.	944	841	1,127	2,488	2,042	2,078	1,812	1,789
438	St. John's U. (Jamaica, NY)	1,184	1,184 e	1,313 i	1,442 i	1,571 i	1,702	1,538	1,783
439	Monmouth U.	357 e	118	85	316 i	547 i	779	1,693	1,766
440	Morehead State U.	1,107 i	1,231 i	1,355 i	1,487	1,443	2,254	1,332	1,758
441	Philadelphia C. of Osteopathic Medicine	930	935	891	836	961	973	1,034	1,754
442	Bucknell U.	1,835	1,791	1,900	2,123	1,817	1,820	2,841	1,744
443	Fayetteville State U.	507	589	311	586	166	821	632	1,743
444	SUNY C. Geneseo	686	644	682	1,366	862	951	1,036	1,743
445	Santa Clara U.	2,509 i	2,723 i	3,024 i	3,364 i	ne	1,632 i	1,684 i	1,736 i
446	IN State U. all campuses	4,196	1,504	1,220	1,369	1,680	1,473	2,271	1,697
447	SUNY C. Old Westbury	1,310	1,310 e	1,214	1,295	1,326	1,565	1,765	1,682
448	Tougaloo C.	895	1,007	898 i	789 i	680 i	571 i	461	1,675
449	Occidental C.	826	1,543	2,503	2,633	2,371 i	2,109	1,449	1,652
450	Southeastern LA U.	1,057	645	836	900	1,681	1,714	2,150	1,650
451	TX A&M U. Commerce	327	262	263	303	267	608	858	1,616
452	Benedict C.	1,143	1,044	1,061	1,071	1,035	1,494	1,314	1,604
453	Loyola Marymount U.	ne	ne	ne	674	736	621	1,599	1,597
454	PA C. of Optometry	581	800	992	1,226	1,509	1,149	1,642	1,587
455	Northern KY U.	115	142 i	169	434	876	1,368	1,820	1,584
456	Dowling C.	ne	ne	ne	ne	ne	ne	ne	1,566
457	Western IL U.	8,489	7,759	7,042	1,350	1,404	1,190	1,154	1,485
458	Lafayette C.	665	1,008	1,344	2,065	1,806	1,610	1,612	1,472
459	Swarthmore C.	996 e	966	1,574	1,717	2,200	1,992	2,385	1,449
460	U. of the Sciences Philadelphia	532	573	833	453	544	704	1,260	1,449
461	Ithaca C.	2,565	2,034	2,513	2,187	2,152	1,814	1,657	1,434
462	Wilberforce U.	200 i	160 i	120 i	80	411 i	742 i	1,073 i	1,405
463	U. TX Tyler	ne	ne	ne	ne	ne	440	795	1,395
464	Loyola C.	1,724	954	1,140	454	935	1,729	1,551 i	1,373
465	New England C. of Optometry	1,228	1,608	2,154	2,166	2,297	1,870	1,711	1,356
466	Montclair State U.	396	766	889	1,008 i	1,128	1,511	1,693	1,341
467	Governors State U.	162 i	175 i	188 i	201 i	214 i	237	877	1,336

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
468	Albany State U.	1,393	1,972	1,987	2,178	2,619	2,091	1,455	1,331
469	Rider U.	891	884	939	912	1,276	1,096	1,287	1,330
470	U. WI Eau Claire	684	514	839	1,131	1,056	1,146	1,154	1,327
471	U. IL Springfield	910	2,025	2,324	1,324	1,491	1,208	1,083	1,321
472	SUNY C. Buffalo	1,683	1,552	1,969	2,610	2,375	1,977	1,699	1,292
473	Northwestern Health Sciences U.	ne	ne	ne	ne	ne	ne	820	1,289
474	Kansas City U. of Medicine and Biosciences	677	1,166	1,436	1,020	1,098	944	1,183	1,267
475	Trinity U.	1,241	1,241 e	474	935	1,428	1,386	1,206	1,244
476	Reed C.	716	814	1,145	1,129	1,295	1,237	1,118	1,220
477	Winona State U.	ne	ne	ne	ne	ne	ne	ne	1,216
478	U. Redlands	2,328 i	2,522 i	2,728	1,848	2,038	1,413	1,172	1,206
479	SUNY C. Plattsburgh	996	1,118	1,061	1,494	1,224	1,823	1,985	1,190
480	Haverford C.	1,191	1,178	1,215	1,428	1,679	1,259	967	1,182
481	U. West GA	1,655	1,360	1,029	1,034	1,027	1,327	1,042	1,172
482	U. Baltimore	ne	ne	ne	ne	ne	7,754	7,856	1,169
483	Colby C.	392	968	2,929	1,294	995	1,241	1,482	1,131
484	Polytechnic U. PR	ne	ne	ne	ne	ne	ne	ne	1,127
485	Hampshire C.	2,658	3,152	3,224	2,754	3,051	2,723	1,145	1,118
486	Andrews U.	444	712	597	469	584	533	819	1,108
487	Towson U.	2,138	2,282	2,449	1,265	614	2,041	1,038	1,098
488	U. San Francisco	700	700 e	695 i	690	1,163	1,082	798	1,096
489	Coastal Carolina U.	1,277	1,038	1,100	940	1,260	656	1,210	1,095
490	SUNY C. Oswego	744	783	1,112	1,207	2,055	1,010	1,024	1,093
491	U. AK Southeast all campuses	682 i	771 i	868 e	1,171	968	639	720	1,087
492	NM Highlands U.	6,511	2,235	2,706	2,598	2,032	1,202	1,419	1,083
493	Dickinson C.	739	1,528	1,475	1,550	1,608	1,163	847	1,076
494	St. Olaf C.	544	453	847	710	516	643	854	1,060
495	U. WI Oshkosh	585	670	662	942	1,252	1,067	1,115	1,059
496	Lewis and Clark C.	529	420	593	622	399	479	854	1,048
497	Furman U.	793	719	1,414	1,136	1,556	1,477	1,433	1,042
498	U. WI Green Bay	543	602	900	1,122	1,739	1,416	1,328	1,031
499	CUNY Baruch C.	375	375 e	762	507	687	896	1,118	1,030
500	SUNY C. Brockport	722	722 e	739 i	757	755	659	839	1,025
501	Bates C.	598	940	1,217	1,340	1,006	1,077	1,549	1,020
502	CT C.	696 i	828 i	960 i	1,092 i	1,224 i	1,358	1,127	1,020
503	U.S. Coast Guard Academy	405	468	1,128	1,166	866	660	542	1,020
504	Northeastern IL U.	184	274	216	168	206	227	239	1,005
505	U. TX of the Permian Basin	ne	ne	ne	ne	ne	ne	ne	995
506	C. of the Holy Cross	371	664	532	490	683	505	1,254	987

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
507	MN State U. Mankato	607	751	1,054	768	929	549	880	964
508	Trinity C. (Hartford, CT)	1,010	1,010 e	464	856	768	1,215	593	951
509	C. Wooster	593	286	362	413	281 e	570	966	944
510	Clafin U.	555 e	2,074	203	293	255	222	930	929 i
511	Nicholls State U.	504	687	820	690	1,075	1,475	1,121	922
512	Sinte Gleska U.	ne	ne	ne	ne	ne	732	793	913
513	Western U. of Health Sciences	332 i	369	1,132	1,005	1,330	946	1,575	909
514	U. Portland	552	719	639	543	634	477	801	887
515	Eastern IL U.	0 e	126 i	252 i	378 i	504 i	630 i	756 i	885
516	Southern OR U.	301	200	585	741	836	1,015	760	875
517	Roger Williams U. Bristol	ne	ne	ne	ne	352	849	1,050	867
518	IL Wesleyan U.	ne	ne	ne	ne	ne	322	339	856
519	Davidson C.	290 i	291 i	292 i	293 i	294 i	295 i	296	852
520	U. Houston-Clear Lake	7,091	11,519	8,362	1,224	754	743	789	851
521	Philadelphia U.	ne	ne	ne	ne	ne	227 i	858	848
522	MT State U. Billings	ne	ne	ne	ne	ne	694 i	919	846
523	MS Valley State U.	834	1,316	1,030	636	493	606	794	844
524	Seattle U.	504 i	563 i	622 i	681 i	744	764	800 i	837 i
525	A.T. Still U. of Health Sciences	816	907	1,134	691	839	1,206	1,439	826
526	Augustana C. (Sioux Falls, SD)	320 i	313 i	304	324	288	644	892	807
527	Des Moines U.	417	767	767 e	676	676 e	787 i	899	796
528	Pacific U.	264	299	157	823	622 i	421	402	793
529	Allegheny C.	318	1,023	1,306	974	1,007	751	638	787
530	Grinnell C.	1,500	560	1,098	977	964	1,079	699	787
531	Fuller Theological Seminary CA	80 e	298 i	516 i	734 i	952 i	1,174	729	780
532	Oberlin C.	691	325	439	471	381	1,059	810	773
533	Mercyhurst C.	ne	ne	ne	ne	ne	ne	819	767
534	Valparaiso U.	725	391	349	356	551	488	699	763
535	West Chester U. PA	794	794 e	1,115	883	1,956	457	244	762
536	Millersville U. PA	496 i	531 i	566 i	601 i	636 i	671 i	706 i	753
537	Evergreen State C.	766	487	441	511	354	647	548	739
538	Skidmore C.	314	250	519	632	785	1,138	772	726
539	Pace U. all campuses	289	378	425	425 e	1,099	1,053	566	718
540	Christopher Newport U.	ne	ne	ne	2,055	2,029	1,941	789	709
541	Chapman U.	373	460	1,068	1,016	965	839	833	706
542	C. NJ, The	ne	ne	2,686	2,313 i	1,940 i	1,567 i	1,193	688
543	Hofstra U.	787	661	661 e	678 i	695 i	712 i	730	687
544	Hobart and William Smith Colleges	ne	ne	ne	ne	ne	ne	ne	685
545	Saginaw Valley State U.	767 i	679 i	591	442	332	350	443	680

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
546	Angelo State U.	ne	ne	ne	ne	ne	ne	677	678
547	Claremont McKenna C.	ne	ne	ne	ne	ne	ne	ne	678 i
548	Augsburg C.	337	497	655	734	493	606	579	676
549	U. San Diego	545	240	2,686	1,046	895	1,683	499	667
550	VA Military Institute	470	613	695	904	543	662	815	659
551	Bridgewater State C.	585	371	473	419	258	230	495	657
552	Eastern OR U.	ne	ne	398	226	288	834	1,352	649
553	St. Mary's U. (San Antonio, TX)	287	362	293	300	512	405	183	623
554	Drake U.	468	366	1,053	1,053 e	1,255	901	966	622
555	Eastern KY U.	640	770	666	506	345	486	894	614
556	Youngstown State U.	532	849	1,259	1,398	1,831	1,382	1,308	611
557	U. Scranton	3,367 i	3,620 i	3,873	2,599	1,528	1,369	999	600
558	Vassar C.	1,716	1,716 e	1,554 i	1,392 i	1,230 i	1,068 i	902	600
559	Adelphi U.	169	137	121 i	105 i	ne	256 i	425 i	594
560	Truman State U.	665 i	576 i	487	521	588	524	672	593
561	Millsaps C.	ne	ne	ne	ne	ne	150 i	471	588
562	MA C. of Pharmacy and Health Sciences	253 i	417	392	1,043	457	574 i	691	580
563	National U. of Health Sciences	ne	ne	577	620	401	165	597	580
564	West Liberty State C.	ne	ne	ne	ne	ne	ne	508	579
565	Mills C.	ne	ne	ne	ne	ne	ne	550 i	575 i
566	Sarah Lawrence C.	ne	ne	ne	ne	ne	ne	568	566
567	Providence C.	86 e	154 i	223	223 e	286	346	432	558
568	Northeastern State U.	ne	ne	1,314	1,283	1,035 i	786	1,031	554
569	Simmons C.	912	710	872	978	892	433	442	551
570	Kennesaw State U.	249	298	221	300	374	477	361	548
571	Pacific Lutheran U.	241 i	284 i	327 i	370 i	413 i	456 i	499 i	547
572	U. WI Platteville	171 i	226 i	281 i	336 i	391 i	447	605	540
573	U. of St. Thomas (St. Paul, MN)	143 i	209	243	192	281	324	368	536
574	Daemen C.	ne	ne	ne	ne	ne	ne	ne	529
575	Manhattan C.	509	509 e	257	257 e	381 i	505	504	527 i
576	Central CT State U.	218	259	283	355	388	812	573	523
577	Jacksonville State U.	ne	ne	ne	ne	ne	1,089	1,470	523
578	Mt. St. Mary's C. (Los Angeles, CA)	ne	ne	ne	ne	492	570	581	515
579	CUNY Medgar Evers C.	291	756	992	670	568	707	636	512
580	Muhlenberg C.	ne	ne	ne	ne	ne	230	326	511
581	Northern MI U.	328 i	352 i	376 i	400 i	424 i	448 i	472 i	500
582	SUNY C. Cortland	362	378	353	446	392	563	487	480
583	U. Detroit Mercy	1,767	1,236	746	548	548 e	507 i	466	480 i
584	Ursinus C.	ne	ne	ne	ne	ne	ne	562	472

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
585	Jacksonville U.	ne	ne	ne	ne	ne	ne	337	466
586	U. Puget Sound	319 i	335 i	351 i	367 i	398	319	431	453
587	Lincoln U. (Lincoln University, PA)	709	620	718	704	526	526	606	450
588	Siena C.	ne	ne	ne	ne	ne	ne	447 i	447 i
589	Coe C.	0 i	ne	ne	ne	ne	ne	ne	445
590	Wabash C.	ne	ne	ne	ne	454	464	265	445
591	Rhodes C.	278 i	279 i	280 i	281 i	282 i	286	400	432
592	Grambling State U.	2,264	2,264 e	2,452	2,218	1,934	1,784	567	428
593	Sweet Briar C.	ne	ne	ne	ne	ne	ne	ne	428
594	Gettysburg C.	ne	ne	ne	ne	ne	688	454	427
595	Carlos Albizu U. (San Juan, PR)	ne	ne	ne	ne	ne	ne	497	418
596	Universidad del Turabo	ne	ne	ne	ne	ne	150 i	864	417
597	St. Mary's C. MD	447	251	274	335	322	459	417	415
598	U. PR Cayey	ne	ne	ne	ne	ne	ne	ne	411
599	Indiana U. PA all campuses	731	756	794	841	2,368	684	368	410
600	Loyola U. New Orleans	432 i	459 i	486 i	513 i	540 i	567	372	408
601	Sonoma State U.	150	736	341	493	260	650	637	408
602	Universidad del Este	ne	ne	ne	ne	ne	ne	432	407
603	U. Central OK	509	795	810	180	157	216	841	406
604	LeTourneau U.	ne	ne	ne	ne	ne	ne	ne	405
605	Roanoke C.	ne	ne	ne	476	554	518	741	402
606	Bluefield State C.	0	0	0	54	156	359	356	401
607	Mercy C.	ne	ne	ne	ne	ne	339 i	618	401
608	Lake Forest C.	399	375	283	271	561	242	291	386
609	Willamette U.	266	344	254	276	228	154	375	377
610	OH Wesleyan U.	255 e	269 i	284	284 e	371 i	459	396	376
611	Hendrix C.	430 i	480 i	530 i	580 i	631	550	685	375
612	Northwestern State U.	394 i	405 i	416 i	427 i	438 i	449 i	460	371
613	Southeastern OK State U.	ne	ne	ne	231	383	485	487	360
614	U. WI Stout	1,236	1,070	1,358	1,437	1,144	415	332	360
615	Point Loma Nazarene C.	165	186	102	155 i	208 i	261	376	358
616	U. New Haven	198 e	1,492	1,492 e	1,100 i	708 i	314	ne	353
617	WV School of Osteopathic Medicine	132	129	182	188	245	270	266	349
618	Juniata C.	168	171 e	283	530	898	721	289	332
619	U. NC Pembroke	ne	ne	ne	ne	ne	ne	258	329
620	Washington and Lee U.	446 i	455 i	464 i	473 i	482 i	501	402	329
621	AR Tech U.	419	526	526 e	684 i	842	299	292	327 i
622	Western CT State U.	ne	ne	ne	ne	ne	ne	ne	324
623	Denison U.	328	384	373	546	415	395 i	375	321

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
624	SUNY Fredonia	194	224	235	271	193	175	262	318
625	McNeese State U.	639	471	709	743	834	614	392	316
626	Lawrence U.	439 i	444 i	449 i	454 i	459 i	464 i	474	301
627	Southern Polytechnic State U.	ne	ne	ne	ne	ne	ne	ne	300
628	Wilkes U.	ne	ne	95	427	300	ne	231	300
629	Whitman C.	483	469	278	619	714	595	416	299
630	John Carroll U.	1,072 e	515	823	442	478	506	474	298
631	U. WI River Falls	152	288	332	331	345	345	434	287
632	Maharishi U. of Management	1,632	1,612	3,112	2,541	2,541 e	492	499	280
633	Bard C.	ne	ne	ne	ne	ne	173 i	ne	278 i
634	Cheyney U. PA	152 i	171 i	190 i	209 i	228 i	247 i	278	274
635	Abilene Christian U.	252	319	254	231	229	233	241	269
636	Pitzer C.	383	322	287	343	320	205	269	268
637	Southwestern OK State U.	ne	ne	ne	ne	ne	ne	ne	266
638	Universidad Metropolitana	ne	ne	ne	ne	ne	2,677 i	298	248
639	Troy U. main campus	ne	ne	ne	ne	ne	ne	246	246
640	Ft. Lewis C.	191	314	286	231	227	519	770	243
641	Berry C.	ne	ne	ne	ne	ne	ne	240	240 i
642	Kalamazoo C.	357 i	396 i	435 i	474 i	519	422	364	239
643	Mayville State U.	ne	ne	ne	ne	ne	185	243	224
644	U. WI Whitewater	272	260	236	224	341	305	247	223
645	DePauw U.	ne	ne	ne	ne	199 i	201 i	211 i	221 i
646	U. WI Parkside	362	575	769	559	608	577	378	218
647	Goucher C.	120 i	121 i	122 i	123 i	ne	ne	ne	217
648	Augustana C. (Rock Island, IL)	118 i	148 i	178 i	212	599	300	212	212 i
649	Heritage U. (Toppenish, WA)	ne	ne	ne	ne	ne	266	254	210
650	Miles C.	ne	ne	8,785	0	ne	ne	ne	197
651	U. of the South	ne	ne	ne	ne	ne	349	186	190
652	CA State U. Sacramento	362 i	337 i	312 i	287 i	262 i	237 i	212 i	183
653	U. Houston-Downtown	837	837 e	1,054	661	627	329	509	175
654	Gustavus Adolphus C.	143	284 i	425 i	566 i	707	487	463	173
655	Cooper Union	284	501	427	502	150	173	ne	171
656	Canisius C.	212 i	248 i	284 i	320 i	356 i	392 i	434	163
657	Southern U. New Orleans	183	680	937	587	556	592	592	154
658	CO State U. Pueblo	724	753	597	628	786	663	586	151
659	Edward Waters C.	ne	ne	ne	ne	ne	ne	ne	150 i
660	Fairleigh Dickinson U. all campuses	158	223	190	286	ne	ne	ne	150 i

TABLE 29. R&D expenditures at universities and colleges, ranked by FY 2007 R&D expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
661	Seattle Pacific U.	ne	ne	ne	ne	ne	ne	ne	150 i
662	William Paterson U. NJ	ne	ne	ne	ne	ne	ne	ne	150 i
	All other surveyed institutions	105,961	96,370	80,702	44,856	26,406	26,075	24,676	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
	All institutions	17,547,632	19,244,082	21,873,227	24,770,506	27,643,985	29,203,273	30,123,700	30,440,745
1	Johns Hopkins U., The ^a	793,266	879,741	1,022,510	1,106,971	1,229,426	1,277,292	1,307,453	1,362,836
2	U. WA	389,622	435,103	487,059	565,602	625,218	606,317	650,394	620,375
3	U. MI all campuses	364,033	396,117	444,255	516,818	521,339	554,516	565,739	577,201
4	Stanford U.	367,083	384,468	426,620	483,540	541,667	574,675	540,069	534,787
5	U. CA, Los Angeles	274,162	312,858	366,762	421,174	461,145	469,889	483,873	488,846
6	MA Institute of Technology	306,668	304,319	330,409	356,206	427,552	457,235	476,362	476,318
7	U. CA, San Diego	326,037	343,276	359,383	400,100	465,629	463,946	463,807	475,708
8	U. WI Madison	278,629	304,009	345,003	396,231	434,423	477,582	491,810	469,076
9	U. CA, San Francisco	248,878	277,489	327,393	371,697	418,944	438,988	464,660	467,402
10	Columbia U. in the City of NY	283,163	317,928	356,749	385,529	406,576	453,188	451,187	459,748
11	Duke U.	204,180	218,109	261,356	306,864	347,896	376,568	414,419	459,122
12	U. PA	312,434	351,996	397,587	415,631	435,343	465,284	478,773	449,687
13	U. CO all campuses	300,667	308,643	340,466	377,941	414,986	449,366	448,350	442,303
14	U. Pittsburgh all campuses	228,155	268,571	306,913	345,625	394,444	420,305	422,316	441,357
15	Washington U. St. Louis	254,148	284,928	303,441	357,364	371,043	400,699	408,402	424,451
16	Harvard U.	281,699	300,414	336,607	348,620	399,764	395,906	403,458	392,103
17	PA State U. all campuses	226,074	245,951	284,706	301,094	347,996	358,569	367,215	370,789
18	Cornell U. all campuses	229,872	240,466	270,578	320,868	339,107	365,694	390,043	367,094
19	U. Southern CA	210,872	246,207	266,645	300,195	312,589	330,126	333,378	355,084
20	Yale U.	232,019	250,702	274,304	296,713	330,837	332,702	348,500	349,027
21	U. NC Chapel Hill	194,794	221,615	254,571	280,678	304,204	320,294	329,215	346,672
22	U. MN all campuses	229,958	264,289	295,301	293,266	307,677	319,771	326,170	337,966
23	OH State U. all campuses	132,219	161,092	177,883	198,488	284,675	294,053	315,914	313,242
24	Vanderbilt U.	129,986	146,230	172,858	221,979	261,484	281,694	300,423	312,178
25	Case Western Reserve U.	150,586	158,852	181,888	205,452	195,525	212,485	306,980	304,742
26	U. TX Austin	178,889	195,184	219,158	231,996	235,281	254,529	273,147	289,331
27	U. Rochester	150,593	166,945	195,298	208,148	231,193	257,497	278,399	280,132
28	Emory U.	144,914	170,317	186,083	228,255	243,248	266,868	267,894	271,445
29	U. AZ	187,161	199,484	211,772	259,074	283,956	292,811	301,619	269,941
30	U. AL Birmingham, The	175,309	194,625	216,221	245,217	261,664	288,434	292,962	269,006
31	Scripps Research Institute, The	NA	NA	NA	NA	236,989	272,969	268,533	267,073
32	Baylor C. of Medicine	193,249	234,394	259,475	302,764	312,669	300,638	287,679	263,146
33	U. Chicago	140,872	155,566	183,830	201,129	229,102	245,679	253,471	261,870
34	GA Institute of Technology all campuses	126,164	143,836	165,680	203,582	237,483	245,130	257,751	260,230
35	U. CA, Davis	141,740	154,937	176,644	208,327	221,937	240,003	248,190	256,994
36	U. Cincinnati all campuses	110,296	128,049	150,166	185,261	194,965	202,654	201,742	253,833
37	CA Institute of Technology	196,877	193,554	199,944	219,097	244,187	249,371	248,591	253,657
38	U. IL Urbana-Champaign	193,490	195,316	214,323	266,487	275,896	289,985	264,645	253,612

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
39	U. CA, Berkeley	208,338	208,080	217,297	238,206	268,830	290,960	261,718	251,043
40	Northwestern U.	150,238	158,129	178,607	200,316	230,593	244,113	249,980	249,411
41	U. FL	120,374	135,421	167,108	194,958	221,898	231,699	248,322	240,819
42	Boston U.	133,730	150,771	171,438	203,947	219,054	228,842	238,560	232,115
43	TX A&M U.	149,639	149,382	163,488	177,119	173,705	212,923	206,242	228,363
44	OR Health & Science U.	109,165	111,671	130,231	164,221	206,219	217,145	223,204	227,441
45	U. IA	140,764	155,249	180,743	197,260	209,865	216,354	216,521	222,944
46	Mt. Sinai School of Medicine	98,188	109,344	125,979	152,719	185,249	191,326	224,911	221,397
47	U. MD College Park	136,605	145,515	194,095	183,206	180,943	196,008	209,764	218,973
48	CO State U.	101,429	101,308	112,650	117,151	162,074	154,245	182,648	210,746
49	U. IL Chicago	101,943	125,109	143,183	168,063	192,825	198,163	203,875	208,881
50	U. HI Manoa	95,419	97,716	110,882	143,580	187,035	190,137	202,419	208,196
51	U. VA all campuses	115,684	122,868	152,358	173,442	188,121	198,606	203,778	198,274
52	NY U.	117,163	129,897	149,995	166,033	181,441	191,782	189,276	194,303
53	U. TX Southwestern Medical Ctr. Dallas	109,165	131,820	155,258	177,196	200,888	202,057	196,621	191,687
54	U. TX M. D. Anderson Cancer Ctr.	81,872	94,053	117,633	122,869	150,529	160,953	182,028	190,508
55	U. UT	124,344	127,253	142,625	152,112	161,119	168,652	174,888	174,719
56	MI State U.	97,112	112,359	122,595	133,820	143,473	156,461	169,116	170,350
57	U. CA, Irvine	88,274	101,735	115,548	133,873	150,995	161,524	169,983	169,912
58	Carnegie Mellon U.	91,191	97,463	137,967	157,583	172,858	173,902	185,389	168,486
59	IN U. all campuses	107,577	116,781	132,759	153,625	166,913	171,528	170,635	165,934
60	Purdue U. all campuses	92,010	98,151	107,477	129,199	144,090	150,351	157,438	165,637
61	U. MD Baltimore	91,212	99,091	117,017	126,156	141,221	129,270	186,160	164,211
62	U. South FL	50,557	58,826	84,108	106,102	126,906	142,580	153,737	158,442
63	U. KY all campuses	73,858	86,239	100,426	120,003	129,887	142,794	151,238	154,688
64	SUNY Buffalo all campuses	96,410	96,595	121,376	129,794	143,865	151,890	153,152	148,989
65	Yeshiva U.	101,631	107,800	114,268	128,894	151,520	160,894	153,785	147,941
66	U. Miami	106,633	111,803	121,171	130,863	141,943	156,059	150,408	147,535
67	LA State U. all campuses	89,007	94,625	97,928	99,143	112,169	128,324	141,426	145,650
68	Wake Forest U.	65,585	78,021	91,738	108,467	120,075	141,685	139,549	141,467
69	U. NE all campuses	60,161	69,232	82,728	96,627	115,833	129,216	139,113	138,338
70	Rutgers, The State U. NJ all campuses	79,711	77,156	91,205	110,041	128,655	137,609	129,456	135,933
71	U. TX Health Science Ctr. Houston	79,665	88,545	98,676	107,481	106,737	112,509	122,870	131,879
72	U. MA Worcester	64,212	79,453	93,992	109,082	126,162	130,680	136,141	131,226
73	NC State U.	90,725	95,875	91,981	96,157	103,586	109,128	131,262	131,056
74	VA Polytechnic Institute and State U.	71,127	77,384	82,976	98,143	95,669	109,842	119,994	128,796
75	Dartmouth C.	56,369	69,844	87,255	106,034	123,109	122,329	140,430	128,164
76	U. TN all campuses	72,059	78,611	88,344	100,486	109,357	121,004	133,334	126,998
77	U. of Medicine and Dentistry NJ	75,318	86,054	90,235	105,495	121,812	143,239	140,923	126,101

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
78	U. CT all campuses	66,144	70,013	93,326	111,654	127,609	134,347	124,837	123,513
79	U. NM main campus	100,442	109,505	104,252	106,541	112,299	129,557	127,907	123,039
80	Princeton U.	74,681	78,620	97,724	104,011	111,435	120,042	117,845	119,171
81	U. TX Medical Branch	61,357	64,682	78,100	93,039	102,491	117,235	120,408	118,173
82	U. KS all campuses	68,950	74,494	82,663	92,888	101,920	110,768	115,522	115,670
83	AZ State U.	49,935	56,616	64,407	71,741	79,877	94,545	109,893	114,632
84	Wayne State U.	64,320	79,448	95,910	102,963	114,700	120,581	118,042	114,364
85	FL State U.	56,830	57,075	70,456	87,985	102,967	105,747	110,358	113,681
86	Woods Hole Oceanographic Institution	67,036	75,670	78,458	84,410	100,456	100,747	101,631	112,754
87	U. CA, Santa Barbara	80,754	76,828	78,370	88,422	92,248	103,955	106,169	111,848
88	SUNY Stony Brook all campuses	96,641	93,265	108,122	112,452	123,124	125,781	112,973	111,241
89	OR State U.	80,398	84,854	91,683	100,499	104,276	109,030	116,586	110,267
90	U. MO-Columbia	65,420	68,435	77,742	84,211	90,304	96,038	101,732	108,328
91	Medical C. WI	55,034	64,003	76,241	83,026	100,547	102,859	100,128	107,200
92	MS State U.	53,808	65,493	77,521	79,837	82,205	84,465	94,073	106,662
93	SUNY Albany	62,059	46,671	40,497	76,038	94,712	103,941	103,835	105,776
94	U. GA	62,678	66,913	78,086	93,884	96,348	102,966	92,652	103,256
95	Georgetown U.	98,836	93,626	75,342	88,463	95,852	100,328	92,268	101,853
96	Medical U. SC	41,432	60,543	75,803	92,893	103,494	108,196	104,057	101,402
97	NM State U. main campus	57,073	61,124	70,314	75,368	76,396	91,247	101,849	100,773
98	U. AK Fairbanks all campuses	46,605	55,287	66,169	72,607	75,269	89,637	98,330	99,588 i
99	Tulane U.	52,080	55,669	64,824	82,118	87,917	94,628	84,052	98,473
100	IA State U.	59,976	62,024	71,419	82,297	92,235	98,005	104,553	97,112
101	U. TX Health Science Ctr. San Antonio	65,251	71,153	83,761	86,683	89,662	95,125	95,110	95,610
102	Brown U.	49,943	58,367	68,215	81,445	84,126	90,857	96,922	95,023
103	Tufts U.	64,677	71,669	73,236	78,942	92,997	98,200	95,964	91,379
104	VA Commonwealth U.	52,137	57,315	65,028	81,201	89,066	97,322	97,576	90,137
105	U. VT	39,861	48,810	58,280	70,832	79,015	79,879	82,519	90,049
106	UT State U.	57,378	74,251	79,393	95,494	107,945	92,660	96,242	89,948
107	U. SC all campuses	51,872	51,983	53,403	63,044	71,856	65,095	89,294	89,000
108	George Washington U.	49,627	51,757	58,729	68,959	78,192	78,779	75,209	87,624
109	Rockefeller U.	45,211	55,362	67,559	75,303	82,535	85,552	93,742	86,728
110	U. OK all campuses	60,542	60,264	69,388	75,318	81,048	87,776	90,880	86,422
111	U. DE	37,716	41,830	48,183	69,493	76,583	74,721	79,640	82,539
112	Thomas Jefferson U.	67,448	64,881	79,217	85,348	92,296	86,171	82,551	81,545
113	U. NH	38,921	45,223	50,829	59,463	67,917	78,653	86,416	81,027
114	WA State U.	48,441	48,660	61,138	70,653	74,944	80,222	81,324	78,505
115	U. MS all campuses	28,107	39,451 i	50,795 i	62,140	59,787	67,603	67,717	77,526
116	U. Louisville	17,713	25,116	38,978	39,924	54,476	67,104	70,481	76,479

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
117	MT State U. Bozeman	30,564	34,857	39,986	53,283	58,874	71,604	75,362	75,765
118	U. MA Amherst	44,712	49,576	54,770	60,839	65,452	66,921	69,176	71,974
119	NM Institute of Mining and Technology	8,652	13,255	18,864	15,434	13,853	30,877 i	47,901	69,050
120	U. CA, Santa Cruz	25,959	29,201	32,901	38,213	53,196	62,301	66,390	68,204
121	Drexel U.	14,292	20,159	30,232	49,271	54,963	62,606	68,499	66,795
122	WV U.	28,013	29,440	49,394	60,586	60,819	62,489	63,764	65,699
123	U. NV, Reno	26,267	31,386	39,958	47,756	50,787	60,329	64,476	62,713
124	Naval Postgraduate School	39,596 i	45,884 i	52,172 i	58,463	50,771 i	43,079	54,528	62,434
125	U. AR for Medical Sciences	29,962	34,219	27,491	41,681	53,249	59,053	66,127	60,836
126	U. Dayton	31,717	34,102	40,191	47,327	56,647	58,782	56,779	60,089
127	U. CA, Riverside	21,085	25,713	32,305	40,409	40,981	52,919	58,023	56,129
128	Auburn U. all campuses	31,515	40,097	42,432	45,374	49,565	51,319	45,540	54,949
129	Temple U.	38,213	41,643	44,577	51,309	50,456	53,987	50,904	54,452
130	Rice U.	35,144	35,682	39,739	43,706	51,157	54,735	53,880	54,301
131	U. of Notre Dame	27,362	29,801	33,285	41,220	48,650	51,072	55,710	53,974
132	Clemson U.	31,304	48,560	47,174	62,552	61,065	56,829	56,268	53,905
133	U. RI	38,538	43,161	45,453	51,942	48,590	42,132	46,898	52,561
134	FL International U.	20,296	23,940	32,057	40,860	47,913	51,328	45,894	52,141
135	U. OR	30,793	32,232	37,177	36,127	43,634	43,564	46,583	49,467
136	U. MD Baltimore County	20,244	23,695	29,376	34,164	37,548	43,377	44,830	49,461
137	U. Central FL	13,801	22,342	29,929	47,749	44,020	40,013	37,974	49,359
138	Rensselaer Polytechnic Institute	25,555	25,894	26,490	32,295	36,651	42,338	44,690	48,924
139	Charles R. Drew U. of Medicine and Science	21,969	27,415	39,259	39,407	40,430	41,207	44,394	48,580
140	U. AL Huntsville, The	25,939	30,625	35,660	35,558	39,607	42,358	44,636	48,415
141	St. Louis U. all campuses	26,453	28,117	31,215	36,989	36,989 e	44,757	45,183	47,704
142	KS State U.	31,185	33,998	43,988	53,313	56,088	58,821	52,649	47,654
143	George Mason U.	20,669	25,992	31,890	38,510	39,758	36,475	35,911	46,588
144	U. ID	23,014	26,548	33,465	42,861	48,565	47,212	47,018	46,144
145	U. NV, Las Vegas	13,815	15,681	22,367	32,511	28,013	35,942	42,772	46,128
146	ND State U. all campuses	15,463	15,207	21,414	37,940	45,375	46,060	45,418	45,475
147	U. ND all campuses	13,880	15,743	25,004	28,336	36,349	32,092	38,848	44,610
148	U. Southern MS	15,084	18,061	22,398	31,653	32,075	34,941	34,577	42,645
149	U. ME	24,412	23,873	23,732	28,901	36,513	28,951	41,394	41,963
150	Brandeis U.	26,444	30,031	29,006	33,722	38,041	39,788	41,184	41,358
151	NJ Institute of Technology	17,381	23,274	27,550	30,535	30,995	35,716	35,489	41,330
152	Medical C. GA	15,210	21,116	23,317	28,280	35,841	41,910	41,555	40,609
153	U. Houston	21,365	21,876	31,455	32,556	34,468	37,262	38,559	40,116
154	Rush U.	32,573	37,301	44,756	49,834	51,706	49,150	45,044	39,601
155	Uniformed Services U. of the Health Sciences	11,023	10,105	10,294	9,527	62,408	50,016	39,461	37,275

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
156	U. AR main campus	20,778	23,172	27,588	27,071	31,088	33,496	31,926	37,016
157	OK State U. all campuses	24,770	25,636	31,100	37,748	43,345	36,637	37,943	36,958
158	Northeastern U.	26,916	23,532	24,295	26,895	30,659	36,524	36,071	36,028
159	TX A&M U. System Health Science Ctr.	14,321	18,384	22,417	26,729	30,283	32,949	35,214	35,004
160	Howard U.	25,292	27,848	33,949	36,137	40,086	40,020	34,959	33,996
161	U. MT-Missoula, The	18,378	19,194	22,612	27,220	34,478	36,433	33,039	33,855
162	San Diego State U.	22,802	23,621	25,223	28,084	30,092	35,328	35,351	33,139
163	U. PR Medical Sciences Campus	16,657	19,433	23,931	25,845	28,063	29,863	31,199	31,955
164	U. Toledo	6,312	6,701	8,996	10,928	13,229	15,521	16,534	31,863
165	Meharry Medical C.	9,192 e	14,822 i	20,453	24,195	26,159	27,408	30,914	31,263
166	Jackson State U.	10,690	22,750	21,721	25,607	28,806	30,472	30,783	30,980
167	Desert Research Institute	19,923	22,018	22,760	23,265	26,235	28,655	30,407	30,752
168	U. MD Biotechnology Institute	11,157	16,742	16,701	19,989	24,436	31,276	32,005	30,375
169	MI Technological U.	16,650	17,620	17,973	17,667	18,735	19,760	18,757	28,193
170	SUNY Upstate Medical U.	8,461	8,815	13,404	16,652	22,650	23,275	27,247	27,933
171	U. AL, The	19,486	22,183	26,900	26,241	25,329	24,393	22,847	27,744
172	NY Medical C.	17,975	18,344	19,318	23,387	25,103	25,242	26,579	26,101
173	C. of William and Mary all campuses	13,031	15,288	18,007	21,992	26,049	26,898	29,121	25,983
174	Old Dominion U.	14,908	15,280	17,170	18,882	21,377	24,463	27,506	25,694
175	U. WY	16,556	20,017	20,017 e	23,186	23,186 e	29,351	25,844	25,537
176	Syracuse U. all campuses	29,620	30,036	32,704	34,559	43,162	46,945	25,299	24,894
177	Loyola U. Chicago	20,695	26,474	27,678	28,107	29,150	30,584	25,420	24,794
178	Loma Linda U.	18,811	19,462 i	20,114	22,675	26,631	26,855	28,788	24,666
179	GA State U.	12,090	13,575	18,967	22,218	25,845	25,204	24,968	24,569
180	Hampton U.	8,994	8,377	10,058	18,417	31,443	42,792	28,584	23,836
181	SUNY Health Science Ctr. Brooklyn	22,860	22,860 e	23,011 i	23,162 i	23,313 i	23,466	25,184	23,232
182	Morehouse School of Medicine	15,419	18,127	21,919	24,382	23,331	24,213	25,156	23,230
183	TX Tech U.	21,480	22,967	28,202	31,776	23,181	22,071	22,278	22,874
184	Stevens Institute of Technology	8,785	8,094	8,094 e	13,783 i	19,473	18,626	22,501	22,809
185	San Jose State U.	11,825 e	14,301	15,777	18,935	20,363	21,160	23,197	22,609
186	Wright State U. all campuses	12,543	15,417	16,070	18,733	20,599	20,527	22,430	22,229
187	Lehigh U.	12,726	13,961	13,519	16,215	19,400	21,061	18,248	22,116
188	CUNY The City C.	13,059	13,022	13,319	13,456	19,711	22,289	21,408	21,776
189	U. TX El Paso	16,416	16,167	16,457	18,116	16,900	15,378	19,331	21,018
190	Eastern VA Medical School	12,114	11,389	13,077	15,431	17,530	19,969	19,399	20,620
191	U. TX San Antonio	7,441	8,012	7,111	9,982	11,644	15,924	20,277	20,545
192	Boston C.	16,673	20,123	22,827	22,907	22,907 e	17,801	18,344	20,336
193	U. MA Lowell	9,905	11,196	14,932	15,821	16,655	17,608	18,741	20,045
194	U. TX Arlington	5,106	9,413	7,848	7,884	10,498	17,654	19,006	19,774

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
195	IL Institute of Technology	10,926	10,917	11,277	13,900	14,903	16,493	19,121	19,731
196	U. Southern ME	123 e	2,046 i	3,969 i	5,892 i	7,815 i	9,738 i	11,662	19,656
197	U. North TX Health Science Ctr. Ft. Worth	5,799	6,562	7,770	9,927	13,259	17,037	19,183	19,203
198	OH U. all campuses	11,695	12,898	17,677	20,406	20,831	20,736	19,573	18,605
199	Marshall U.	5,618	5,980	9,502	12,802	17,104	18,660	15,360	18,412
200	U. WI Milwaukee	8,425	11,089	11,461	13,704	13,670	15,893	15,867	18,368
201	U. MO-Rolla	9,804	11,929	15,749	18,142	20,218	21,772	22,351	18,256
202	CO School of Mines	11,995	12,314	13,230	16,314	16,550	15,501	20,543	18,248
203	Wichita State U.	5,228	5,726	6,687	10,619	11,796	9,589	16,302	18,086
204	FL Atlantic U.	12,359	14,099	15,566	17,517	14,662	15,956	19,952	18,037
205	U. TX Dallas	7,049	7,049 e	11,624	14,530	15,733	19,933	19,954	17,783
206	U. Memphis, The	11,177	11,012	14,072	14,985	14,078	15,125	15,964	17,765
207	Southern IL U. Carbondale	10,130	10,868	10,789	12,078	15,557	16,975	20,108	17,724
208	Brigham Young U. all campuses	10,378	11,659	12,900	16,564	17,129	16,878	17,309	17,118
209	Portland State U.	11,217	11,341	11,914	13,276	13,276 e	18,580	18,797	17,054
210	SD State U.	7,448	8,456	9,115	11,441	13,447	13,914	12,788	16,729
211	U. SD	2,084	3,534	5,830	8,308	12,849	15,448	17,308	16,683
212	U. MO-Kansas City	7,490	8,176	10,795	14,232	15,696	16,960	15,965	16,542
213	U. South AL	8,276	8,276 e	15,922	17,638	17,832	16,538	15,147	16,400
214	U. PR Rio Piedras Campus	5,620	6,013	4,971	6,760	8,093	14,301	16,881	16,114
215	CUNY Hunter C.	8,650	10,922	14,573	17,047	18,836	18,544	18,472	15,768
216	NC Agricultural and Technical State U.	11,187	11,937	11,953	12,226	13,487	16,348	15,885	15,362
217	Catholic U. America, The	7,680	13,308	17,925	18,864	18,927	16,252	13,264	15,324
218	FL A&M U.	16,278	22,477	21,592	18,273	24,994	22,378	24,902	14,502
219	U.S. Air Force Academy	4,505	5,009	8,163	12,599	15,739	15,165	9,678	14,301
220	SUNY Binghamton	6,319	6,392	8,959	8,981	10,414	10,494	12,213	13,991
221	U. MD Ctr. for Environmental Science	10,805	12,105	13,080	12,654	13,824	13,853	12,860	13,365
222	Rochester Institute of Technology	2,664	5,612	7,868	11,630	12,415	11,620	14,581	13,225
223	Northern IL U.	3,603	4,264	4,980	6,892	6,824	7,897	11,696	13,034
224	U. of the VI	1,957 e	6,288 i	10,620	10,772	11,598	12,213	12,518	12,561
225	Northern AZ U.	7,842	9,616	10,873	10,900	12,754	14,547	14,305	12,409
226	ID State U.	3,723	3,837	4,738	6,746	8,416	12,087	11,661	11,911
227	San Francisco State U.	4,561 e	4,561 e	13	6,089	37,056	12,457	17,255	11,896
228	U. NC Charlotte	5,380	5,145	5,850	7,981	13,816	10,362	10,792	11,887
229	CA State U. Long Beach	12,964	2,910	4,944	12,126	8,351	8,577	8,368	11,856
230	Creighton U.	5,541	7,275	6,594	9,413	13,745	12,683	10,505	11,716
231	U. MA Dartmouth	3,228	4,928	7,142	8,718	9,199	9,852	9,516	11,456
232	U. NC Wilmington	5,336	7,242	9,950	8,957	9,951	10,665	9,884	11,362
233	SD School of Mines and Technology	4,127	4,417	6,950	8,222	8,366	10,752	9,834	11,232

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
234	U. Akron all campuses	7,081	8,672	9,537	9,348	10,284	10,246	11,433	11,210
235	U. PR Mayaguez Campus	11,837	9,015	8,865	9,596	7,539	10,786	10,645	11,164
236	Mercer U. all campuses	11,350	9,076	8,607	8,018	9,613	11,235	11,741	11,075
237	Tuskegee U.	6,694	7,259	7,703	7,660	8,904	8,478	8,971	11,033
238	U. LA Lafayette	12,164	12,130	12,925	14,455	15,850	16,159	11,596	10,712
239	East Carolina U.	4,388	5,188	6,030	7,565	9,399	10,967	10,657	10,354
240	Southern Methodist U.	6,302	5,587	6,026	5,940	6,752	8,415	9,303	10,304
241	Western MI U.	4,584	6,192	9,913	12,131	8,313	11,987	11,214	10,254
242	Morgan State U.	4,371	2,390	1,674	6,232	7,227	8,126	12,199	9,992
243	Boise State U.	2,151	3,962	4,173	6,321	7,642	8,447	7,448	9,924
244	CA State U. Los Angeles	8,344	5,365	7,728	6,882	8,094	9,797	8,672	9,819
245	Kent State U. all campuses	7,736	8,158	9,427	9,278	9,093	7,619	8,198	9,801
246	Worcester Polytechnic Institute	4,219	4,506	5,013	5,966	8,489	9,424	10,193	9,545
247	Albany Medical C.	7,691	8,562	8,901	9,677	11,849	11,525	11,152	9,521
248	Prairie View A&M U.	7,679	7,094	7,712	7,886	7,965	8,464	9,067	9,217
249	U. MA Boston	3,378	2,546	4,837	5,579	5,412	6,326	8,610	9,152
250	Villanova U.	4,035	4,293 i	4,551 e	5,456 i	6,361 i	7,266 i	8,171 i	9,077
251	Miami U. all campuses	2,674	3,324	4,021	4,312	5,132	8,014	7,874	8,964
252	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	7,604	6,730	9,713	8,765
253	Southwest MO State U.	484 e	443	79	371	1,863	5,166	4,615	8,740
254	Universidad Central del Caribe	5,347	6,622	6,470	7,183	8,498	8,543	8,206	8,672
255	TN State U.	8,873	10,210	11,218	10,280	11,277	10,446	10,216	8,475
256	AL A&M U.	7,056	8,883 i	10,710	30,343	12,023	12,005	7,537	8,467
257	Western KY U.	2,711	3,294	3,493	3,125	4,400	4,915	7,079	8,225
258	Clark Atlanta U.	16,170	14,354	15,325	12,367	13,075	11,346	10,008	7,905
259	Alcorn State U.	8,034	7,370	5,809	7,582	7,622	5,396	5,706	7,874
260	U. Tulsa	5,498	7,341	6,806	8,439	11,240	8,969	7,964	7,851
261	SUNY C. of Environmental Science and Forestry	4,332	4,355	4,630	5,177	6,499 i	7,821	7,831 i	7,842
262	U. Denver	7,439	9,248	8,386	8,268	9,839	9,017	8,543	7,694
263	Rosalind Franklin U. of Medicine and Science	5,117	6,256	5,638	6,783	7,843	9,974	9,507	7,689
264	Teachers C. Columbia U.	5,613	5,617	5,939	5,572	6,256	6,187	6,770	7,655
265	U. HI Hilo	NA	NA	8,499	5,082	4,217	8,998	7,678	7,610
266	VA State U.	3,602	4,246	6,895	6,964	5,655	2,668	5,813	7,604
267	Clarkson U.	3,837	4,286	4,286 e	4,833	6,434	6,890	8,280	7,587
268	U.S. Naval Academy	2,770	3,140	2,324	3,169	5,341	5,987	6,487	7,575
269	CA State U. Northridge	3,182	3,182 e	6,786	6,460	6,521	5,719	5,200	7,339
270	CUNY Queens C.	2,604	3,484	5,516	5,062	5,820	5,443	6,422	7,238
271	U. North TX	3,618	5,401	6,015	6,320	5,499	7,003	8,343	7,192
272	U.S. Military Academy	4,440 i	4,810 i	5,180 i	5,550 i	5,920 i	6,290 i	6,660 i	7,043

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
273	U. GU	3,165	3,355	4,183	5,818	9,205	8,265 i	7,324	6,867
274	Marquette U.	3,085	3,309	3,565	4,409	6,046	6,979	7,566	6,842
275	Air Force Institute of Technology	5,371	1,671	2,609	6,418	4,664	4,934	5,212	6,681
276	TX A&M U. Corpus Christi	1,363	2,357	3,127	4,581	5,685	4,572	7,798	6,609
277	Ponce School of Medicine	3,257	3,736	3,720	6,270	9,179	6,715	5,022	6,594
278	DE State U.	3,052	2,222	2,819	3,636	4,342 i	5,048	6,506	6,487
279	Embry-Riddle Aeronautical U.	1,551 e	6,987	4,174	3,323	5,179	6,642	6,531 i	6,419
280	Polytechnic U.	8,200	4,063	4,918	4,789 i	4,660	8,623	7,486	6,329
281	Bowling Green State U. all campuses	1,847 e	2,395	2,829	4,378	5,318	6,418	5,408	6,299
282	TN Technological U.	1,452	1,124	1,695	1,539	2,564	3,515	3,601	6,076
283	Fisk U.	2,652	2,577	3,030	3,000	5,000	6,000	6,000	6,000
284	Norfolk State U.	3,273	3,952	4,902	4,404	6,054	6,055	4,621	5,998
285	Wheeling Jesuit U.	1,795 i	2,392 i	2,989 i	3,586 i	4,183 i	4,780 i	5,377 i	5,974
286	New School, The	873	1,083	1,083 e	741	2,330	2,960	4,854	5,922
287	FL Institute of Technology	2,980	2,614	3,646	5,204	5,575	5,170	6,138	5,570
288	CA State Polytechnic U. San Luis Obispo	7,605	6,153	5,968	3,820	2,616	5,743	6,461	5,391
289	Oakland U.	3,033 e	5,318	4,903	4,470	5,559	5,599	6,205	5,386
290	U. NC Greensboro	1,535 e	2,803	3,340	2,704	3,267	3,876	5,211	5,256
291	Cleveland State U.	3,318	3,986	4,649	3,611	6,380	7,206	5,159	5,097
292	Wesleyan U.	4,058	3,893	3,734	4,424	5,388	5,180	4,744	5,094
293	TX A&M U. Kingsville	2,179	1,828	1,956	2,766	3,832	4,972	4,625	5,067
294	U. AK Anchorage all campuses	2,537 e	3,390 i	4,244 e	5,316	6,721	7,470	6,333	4,967
295	U. PR Humacao	ne	ne	ne	ne	3,201	3,325	4,080	4,930
296	East TN State U.	2,768	3,572	3,908	4,642	4,412	5,015	4,713	4,864
297	Tarleton State U.	1,426	4,094	5,216	5,698	5,208	6,386	5,488	4,852
298	Morehouse C.	1,843 e	2,113 i	2,383 i	2,653 i	2,923 i	3,196	5,378	4,743
299	AR State U. main campus	267	321	312	385	638	1,080	3,938	4,694
300	CA State U. Dominguez Hills	909	2,578	2,783	3,471	4,179	2,051	2,530	4,580
301	Ball State U.	873	1,177	1,590	1,944	3,441	5,260	5,119	4,541
302	MT Tech of the U. MT	2,744	2,617	2,977	4,488	4,059	4,315	5,040	4,445
303	Southern U. and A&M C. all campuses	6,418	5,709 i	5,000 i	4,291 i	3,581	3,539 i	3,496	4,375
304	NC Central U.	1,608 i	2,439 i	3,270 i	4,101 i	4,932 i	5,763 i	6,597	4,337
305	Xavier U. LA	3,174	4,666	6,019	5,036	5,226	4,505 i	3,783	4,268
306	U. MO-St. Louis	4,523	4,321	4,755	4,978	4,618	4,470	5,046	4,240
307	CUNY Brooklyn C.	2,866	2,776	2,538	2,798	2,559	2,694	3,258	4,207
308	Lincoln U. (Jefferson City, MO)	2,502	2,236	2,513	2,149	1,552	2,093	4,367	4,169
309	LA Tech U.	2,635	2,242	3,487	6,113	4,718	5,336	5,769	4,151
310	C. Charleston	1,607	1,988	2,364	2,678	3,321	3,022	3,967	4,071
311	U. West FL	4,521	4,785	5,315	9,105	5,332	8,787	3,400	4,017

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
312	U. DC	1,629	2,008	2,963	2,769	3,492	2,958	3,813	4,002
313	CUNY Herbert H. Lehman C.	1,444	2,048	2,816	3,725	2,936	3,711	3,733	3,980
314	Duquesne U.	1,902	1,969	2,232	2,742	3,479	3,717	3,171	3,856
315	CA State U. Monterey Bay	ne	1,285	1,285 e	2,091	2,548	3,821	3,779	3,832
316	James Madison U.	712	890	1,372	1,607	2,843	3,568	3,576	3,809
317	CA State U. Fullerton	2,730 i	3,581 i	4,434	3,140	3,979	3,570	4,083	3,792
318	St. Francis U. (Loretto, PA)	ne	ne	ne	ne	ne	4,981	4,114	3,677
319	TX Southern U.	1,844	1,908	3,910	2,925	3,749	4,426	4,225	3,651
320	Langston U.	2,553	2,863	3,975	4,332	3,578	3,848	3,661	3,582
321	CA State U. San Bernardino	880	676	1,399	4,858	5,127	5,775	5,367	3,553
322	U. NC Asheville	227	386	412	271	265	1,658	1,745	3,473
323	Nova Southeastern U.	2,060	1,750	1,959	1,963	1,884	1,719	3,204	3,470
324	Gallaudet U.	1,682	1,768	1,880	1,959	1,747	2,138	1,959	3,460
325	U. TX-Pan American	1,135	1,288	1,387	1,887	2,578	2,999	3,139	3,457
326	KY State U.	2,179 i	3,655	6,036	6,395	3,298	3,044	3,254	3,451
327	Spelman C.	1,978	3,262	2,968	2,186	2,419	2,576	2,901	3,361
328	U. MD Eastern Shore	3,895	5,626	5,718	4,862	5,041	5,432	4,367	3,288
329	Stephen F. Austin State U.	521	959	1,054	759	740	887	3,695	3,285
330	Wellesley C.	3,064 i	3,446	3,446 e	3,996	3,708	2,429	2,819	3,210
331	Southern IL U. Edwardsville	200	311	1,413	1,340	829	1,043	1,305	3,133
332	U. CA, Merced	na	na	na	na	na	2,816	3,135	3,119
333	Rowan U.	ne	ne	ne	3,755	4,355	3,339	3,293	3,102
334	U. AR Pine Bluff	2,754 i	2,596	3,016	3,470	3,455	3,933	3,777	3,091
335	IL State U.	2,108	1,638	1,574	1,928	2,650	3,152	3,156	3,074
336	TX Christian U.	2,441	2,824	2,492	2,716	2,961	3,068	3,318	3,022
337	Western WA U.	1,548	1,300	1,651	2,271	1,950	2,023	2,878	2,910
338	Smith C.	774	812	515	866	1,602	1,757	2,796	2,858
339	Baylor U.	353	516	830	812	1,372	1,473	1,269	2,829
340	Northeastern OH Universities C. of Medicine	2,002	2,072	1,871	1,708	2,964	3,267	2,754	2,777
341	Clark U.	1,652	2,605	3,418	4,475	4,475 e	2,611	3,192	2,734
342	Ft. Valley State U.	2,417	2,417 e	2,985	2,798	2,558	2,492	2,570	2,610
343	La Salle U.	0	236	0	45	57	ne	101	2,598
344	SC State U.	1,988	1,988 e	1,998	2,198	2,418	2,587	2,587	2,587
345	West TX A&M U.	140	2,681	3,245	2,595	2,205	1,610	2,489	2,558
346	U. North FL	ne	731	1,397	2,915	1,493	1,680	2,120	2,535
347	TX State U. San Marcos	3,519	3,854	4,144	3,873	3,536	2,921	1,872	2,528
348	Barnard C.	1,198	1,269	1,021	1,369	1,369 e	2,342	2,098	2,511
349	Humboldt State U.	2,629 e	2,616 i	2,603 i	2,590 i	2,577 i	2,564 i	2,548	2,510
350	CA State U. Fresno	1,823	585	1,392	2,579	3,750	4,870	1,561	2,477

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
351	CUNY York C.	1,317	923	1,650	1,796	1,669	1,448	1,455	2,468
352	CA State Polytechnic U. Pomona	1,703	2,498	2,806	3,922	4,059	2,765	2,502	2,466
353	CUNY Graduate Ctr.	532	1,489	832	1,724	3,324	3,297	2,544	2,431
354	Black Hills State U.	ne	ne	ne	ne	934	1,445	1,925	2,409
355	St. Joseph's U.	797	1,130	2,069	1,771	2,612	2,596	2,566	2,403
356	FL Gulf Coast U.	ne	ne	ne	ne	884	1,995	2,598	2,386
357	DePaul U.	478	1,142	1,971	2,747	3,539	3,776	3,160	2,284
358	Fordham U.	2,101	1,980	1,990	1,823	929	1,383	2,441	2,268
359	Central State U.	283 e	542 i	801 i	1,060 i	1,319 i	1,579	2,263	2,263
360	Savannah State U.	905	2,181	2,206	2,150 i	2,094	2,421	2,342	2,257
361	SUNY C. of Optometry	698	993	1,032	2,461	1,856	1,979	1,753	2,164
362	U. WI La Crosse	1,001	871	1,196	967	1,221	2,170	1,618	2,147
363	Long Island U. all campuses	1,044	919	1,162	1,470	962	1,227	2,088	2,102 i
364	Winston-Salem State U.	3,216	4,853	2,022	2,022 e	2,073 e	2,176 i	1,864 i	2,086 i
365	U. WI Superior	33	79	552	720	743	830	1,360	2,068
366	Appalachian State U.	128	280	543	491	272	503	1,576	2,059
367	U. Central AR	820	1,189	1,140	1,790	2,265	2,268	2,490	2,034
368	Alfred U. all campuses	1,227	1,166	946	674	1,494	2,454	2,364	2,002
369	Chicago State U.	1,248	1,356	1,236	1,107	1,415 i	1,724	1,994	1,993
370	Mt. Holyoke C.	1,135	1,004	1,449	1,639	1,800	1,869	1,780	1,989
371	Bowie State U.	2,360 e	2,022	2,200	2,206	1,883	2,033	1,951	1,960
372	Dillard U.	182	199	393	441	351	887 i	1,423 i	1,959
373	Lamar U.	2,330	2,217	2,080	1,998	1,494	1,259	1,785	1,925
374	Sam Houston State U.	2,128	1,802	2,386	1,626 i	866 i	106	1,115	1,923
375	Central WA U.	1,426	1,337	1,468	2,246	2,200	929	1,494	1,909
376	Oglala Lakota C.	ne	ne	ne	ne	ne	ne	ne	1,835
377	Shaw U.	100 e	411 i	722 i	1,033	1,033	1,727	1,800	1,826
378	American U.	1,886	1,999	3,467	2,141	1,456	1,364	1,678	1,800
379	WV State U.	0 e	0 e	467 i	934 i	1,403	2,128	1,867	1,795
380	Elizabeth City State U.	1,558	1,248	1,058	1,103	1,032	888	590	1,792
381	Monmouth U.	178 e	89	73	308 i	543 i	779	1,690	1,762
382	Eastern MI U.	1,213	1,745	777	1,849	2,375	4,156	2,611	1,719
383	Williams C.	1,345 e	1,367 i	1,389	1,454	1,258	1,737	2,141	1,705
384	AL State U.	1,190 e	1,249 e	1,249	1,449	1,683	1,685	1,685	1,685
385	Santa Clara U.	574 i	625 i	706 i	791 i	ne	1,632 i	1,671 i	1,682 i
386	CA State U. East Bay	1,498 i	1,712 i	1,930	1,088	1,639	2,122	2,037	1,652
387	Sul Ross State U.	228	95	77	96	261	1,506	1,586	1,632
388	Middlebury C.	1,371	1,285	1,150	1,150 e	1,261 i	1,372 i	1,483 i	1,597
389	OR Institute of Technology	ne	ne	727	953	1,322	1,517	1,550	1,593

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
390	Kettering U.	270	270	638	562	298	701	2,882	1,583
391	Benedict C.	1,143	1,014	966	1,002	1,020	1,399	1,201	1,573
392	Seton Hall U.	996	826	692	635	1,233	1,856	1,184	1,551
393	Lawrence Technological U.	121	194	191	159	219	354	1,939	1,546
394	Fayetteville State U.	507	298	311	546	161	711	554	1,527
395	CUNY John Jay C. of Criminal Justice	779	733	201	168	177	516	532	1,509
396	PA C. of Optometry	525	695	928	1,209	1,407	1,060	1,543	1,500
397	Dowling C.	ne	ne	ne	ne	ne	ne	ne	1,482
398	St. John's U. (Jamaica, NY)	938	938 e	1,046 i	1,154 i	1,262 i	1,372	1,118	1,478
399	SUNY C. Old Westbury	1,067	1,067 e	1,193	1,182	1,258	1,422	1,570	1,468
400	Western Carolina U.	354	362	280	218	1,633	1,233	1,362	1,435
401	Hope C.	602	692	853	635	1,576	1,181	1,710	1,432
402	Carleton C.	760	693	959	1,417	1,575	1,570	1,323	1,417
403	Bowdoin C.	228	140	658	1,070	1,151	1,444	1,484	1,402
404	Wilberforce U.	174 i	143 i	112 i	80	400 i	720 i	1,040 i	1,360
405	GA Southern U.	944	841	882	2,074	1,746	1,716	1,406	1,348
406	U. Richmond	849	815	1,347	807	900	1,615	1,310	1,328
407	SUNY C. Geneseo	389	350	481	847	588	842	802	1,310
408	Northwestern Health Sciences U.	ne	ne	ne	ne	ne	ne	800	1,289
409	Colgate U.	917	708	586	646	777	696	1,111	1,283
410	Pittsburg State U.	247	514	963	781	744	716	1,255	1,258
411	Central MI U.	142 e	291	190	318	2,707	3,086	1,368	1,257
412	Morehead State U.	748 i	847 i	946 i	1,046	1,137	1,693	997	1,257
413	CUNY C. Staten Island	858	1,128	1,315	1,723	1,624	1,646	1,302	1,256
414	Southern CT State U.	215	215 e	144	1,485	312	1,666	1,458 i	1,249
415	Harvey Mudd C.	1,032 e	979 i	926 i	873 i	820 i	767	1,003	1,231
416	Ithaca C.	2,131	1,653	2,060	1,792	1,807	1,558	1,358	1,226
417	Pomona C.	678	679	917	1,219	940	823	1,053	1,226
418	Bryn Mawr C.	978	855	751	880	1,065	966	998	1,222
419	U. LA Monroe	2,824 e	2,436 i	2,048 i	1,660 i	1,271	1,051	1,743	1,194
420	U. Redlands	2,292 i	2,483 i	2,674	1,810	1,711	1,237	1,126	1,173
421	U. AR Little Rock	3,400 e	2,088	2,088 e	7,757	2,586	2,681	1,126	1,140 i
422	Milwaukee School of Engineering	306	420	651	558	662	648	786	1,133
423	Governors State U.	84 i	91 i	98 i	105 i	112 i	134	680	1,113
424	U. WI Stevens Point	193	270	639	725	884	867	945	1,112
425	Amherst C.	999	849	955	955 e	1,126	1,270	1,708	1,100
426	U. Northern IA	378	380	1,063	898	646	569	500	1,093
427	Montclair State U.	146	465	383	465 i	547	1,018	1,484	1,087
428	CA State U. Chico	450	961	617	1,356	1,192 i	1,027	1,083 i	1,083 i

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
429	Loyola Marymount U.	ne	ne	ne	538	508	473	1,044	1,082
430	U. Northern CO	982	994	840	1,581	1,328	1,509	1,590	1,079
431	U. Hartford	629	578	537	667	697	767	891	1,059
432	Southeastern LA U.	629	342	525	556	1,257	1,276	1,402	1,055
433	Middle TN State U.	478	296	211	1,513	1,651	1,084	636	1,011
434	Tougaloo C.	473	407	412 i	417 i	422 i	427 i	434	1,007
435	U.S. Coast Guard Academy	405	466	1,128	1,166	866	660	542	999
436	U. IL Springfield	182	126	200	362	493	850	747	997
437	IN State U. all campuses	251	269	284	573	747	544	1,147	991
438	Claremont Graduate U.	798	1,024	621	859	945	1,104	1,093	986
439	U. New England	ne	ne	ne	ne	ne	ne	1,178	978
440	SUNY C. Plattsburgh	610	712	760	1,087	896	1,351	1,461	973
441	Bucknell U.	754	1,106	1,240	1,285	955	721	1,802	958
442	Albany State U.	840	740	1,640	2,056	2,547	2,010	1,119	952
443	U. AK Southeast all campuses	522 i	596 i	673 e	802	691	249	409	941
444	U. TX Tyler	ne	ne	ne	ne	ne	144	436	937
445	Hamilton C. (Clinton, NY)	469	382	1,035	849	901	1,138	1,160	932
446	Franklin & Marshall C.	604	599	441	529	815	1,277	945	909
447	Northern KY U.	41	34 i	26	240	474	768	1,280	908
448	U. of the Pacific	546	489	730	1,160	1,700	1,292	1,142	908
449	SUNY C. Oswego	587	578	901	1,120	1,342	839	918	903
450	Bates C.	463	819	977	964	679	794	1,226	887
451	St. Cloud State U.	987 e	892 i	797 i	700	972	1,017	832	885
452	NY Institute of Technology all campuses	114	166	84	597 i	1,110	230	267	865
453	Clafflin U.	250 e	1,958	203	293	255	222	930	864 i
454	MS Valley State U.	834	1,316	1,030	636	493	606	794	844
455	Sinte Gleska U.	ne	ne	ne	ne	ne	612	793	830
456	Lafayette C.	331	353	519	1,253	1,187	1,019	976	826
457	Towson U.	846	694	1,037	904	302	1,571	894	820
458	SUNY C. Brockport	344	344 e	478 i	613	574	436	606	819
459	Coastal Carolina U.	1,051	736	787	776	785	453	936	818
460	SUNY C. Buffalo	577	338	583	1,053	883	1,335	1,150	810
461	U. WI Eau Claire	219	288	580	827	721	791	844	804
462	Midwestern U. (Chicago, IL)	467	542	589	529	857	1,298	1,168	801
463	CT C.	208 i	312 i	416 i	520 i	624 i	731	785	800
464	Augustana C. (Sioux Falls, SD)	274 i	273 i	265	224	273	591	842	798
465	Roger Williams U. Bristol	ne	ne	ne	ne	352	772	960	790
466	NM Highlands U.	3,747	1,849	1,953	2,264	1,810	930	1,084	782
467	C. of the Holy Cross	142	446	329	272	538	312	1,078	779

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
468	Philadelphia U.	ne	ne	ne	ne	ne	227 i	759	776
469	Furman U.	524	487	1,003	852	1,197	999	1,029	775
470	TX Woman's U.	1,440	1,185	1,321	1,494	1,175	940	637	755
471	Occidental C.	545	812	1,303	1,319	1,100 i	880	690	745
472	Swarthmore C.	586 e	691	1,107	915	1,449	1,194	1,682	741
473	New England C. of Optometry	950	1,179	1,792	1,900	1,958	1,474	1,125	729
474	St. Olaf C.	530	403	683	575	347	390	415	725
475	Colby C.	83	146	306	192	373	861	1,054	723
476	Trinity U.	746	746 e	250	636	805	759	717	715
477	U. West GA	900	634	400	556	623	913	628	708
478	West Chester U. PA	697	697 e	918	505	1,833	337	167	699
479	Western IL U.	6,112	5,501	4,982	379	369	446	435	698
480	MT State U. Billings	ne	ne	ne	ne	ne	694 i	760	694
481	U. WI Oshkosh	248	271	356	523	879	650	692	690
482	U. WI Green Bay	267	328	601	824	1,293	999	950	687
483	Western U. of Health Sciences	127 i	0	214	129	312	639	905	680
484	Claremont McKenna C.	ne	ne	ne	ne	ne	ne	ne	678 i
485	Millersville U. PA	391 i	430 i	469 i	508 i	547 i	586 i	625 i	668
486	Reed C.	391	277	583	472	702	774	598	658
487	Davidson C.	167 i	177 i	187 i	197 i	207 i	217 i	230	656
488	Union C. (Schenectady, NY)	553	587	1,217	471	664	657	534	647
489	IL Wesleyan U.	ne	ne	ne	ne	ne	150	113	644
490	Murray State U.	629	778	739	1,075	1,185	1,310	1,005	642
491	Oberlin C.	691	285	406	424	291	841	548	639
492	St. Mary's U. (San Antonio, TX)	62	193	152	199	414	405	183	623
493	Haverford C.	1,000	989	874	931	1,066	857	514	622
494	Calvin C.	270	514	338	522	530	714	543	600
495	Vassar C.	321	321 e	374 i	427 i	480 i	535	902	600
496	Christopher Newport U.	ne	ne	ne	1,945	1,904	1,673	587	596
497	Adelphi U.	73	101	93 i	85 i	ne	249 i	421 i	594
498	Eastern IL U.	0 e	84 i	168 i	252 i	336 i	420 i	504 i	589
499	Millsaps C.	ne	ne	ne	ne	ne	0 i	471	588
500	Lewis and Clark C.	392	206	272	394	129	102	437	586
501	CA State U. Bakersfield	459	459 e	854 i	1,249 i	1,644 i	2,040	2,301	584
502	Valparaiso U.	275	308	262	267	404	372	487	582
503	Mills C.	ne	ne	ne	ne	ne	ne	550 i	575 i
504	Trinity C. (Hartford, CT)	326	326 e	181	426	686	611	373	575
505	Augsburg C.	337	497	655	734	493	606	579	563
506	Philadelphia C. of Osteopathic Medicine	392	395	387	358	951	973	681	560

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
507	Fuller Theological Seminary CA	80 e	261 i	442 i	623 i	804 i	985	500	553
508	Evergreen State C.	537	487	441	511	354	647	448	548
509	Rose-Hulman Institute of Technology	420	1,457	744	892	726	741	1,689	532
510	Hofstra U.	649	402	402 e	433 i	464 i	495 i	529	515
511	Mt. St. Mary's C. (Los Angeles, CA)	ne	ne	ne	ne	492	570	581	515
512	U. San Francisco	400	400 e	431 i	462	706	545	386	513
513	Hobart and William Smith Colleges	ne	ne	ne	ne	ne	ne	ne	506
514	Seattle U.	78 i	80 i	82 i	84 i	95	421	477 i	505 i
515	CUNY Medgar Evers C.	258	714	970	652	555	701	630	495
516	Central CT State U.	137	138	102	282	239	788	479	485
517	Macalester C.	636 i	713	1,057	755	959	739	983	483
518	Providence C.	29 e	101 i	173	173 e	214	306	392	483
519	Daemen C.	ne	ne	ne	ne	ne	ne	ne	481
520	U. of the Sciences Philadelphia	222	200	311	119	207	249	499	478
521	Hampshire C.	872	998	1,095	1,112	1,181	1,110	373	476
522	Eastern KY U.	192	235	225	297	175	294	447	471
523	Youngstown State U.	191	425	800	821	1,385	1,138	1,067	464
524	Grand Valley State U.	368	392	405	278	221	534	332	463
525	Lincoln U. (Lincoln University, PA)	709	620	718	704	526	526	606	450
526	Southern OR U.	253	154	542	544	587	739	553	447
527	Pace U. all campuses	236	295	362	362 e	644	958	408	443
528	Bridgewater State C.	287	64	196	174	36	95	324	433
529	Grambling State U.	2,200	2,200 e	1,977	1,880	1,522	1,461	566	428
530	Arcadia U.	ne	ne	ne	ne	ne	324 i	332 i	426
531	Rhodes C.	170 i	187 i	204 i	221 i	238 i	263	396	421
532	Eastern OR U.	ne	ne	243	126	64	594	1,206	418
533	Universidad del Turabo	ne	ne	ne	ne	ne	0 i	759	417
534	Siena C.	ne	ne	ne	ne	ne	ne	447 i	415 i
535	U. PR Cayey	ne	ne	ne	ne	ne	ne	ne	411
536	Universidad del Este	ne	ne	ne	ne	ne	ne	363	407
537	Northeastern State U.	ne	ne	919	1,038	832 i	625	833	404
538	Mercy C.	ne	ne	ne	ne	ne	282 i	525	401
539	Bluefield State C.	0	0	0	36	156	359	356	396
540	Saginaw Valley State U.	359 i	267 i	174	19	10	13	57	396
541	Sarah Lawrence C.	ne	ne	ne	ne	ne	ne	434	385
542	Eastern WA U.	1,366	1,668	986	365	288	292	411	384
543	Muhlenberg C.	ne	ne	ne	ne	ne	202	326	384
544	U. Puget Sound	285 i	304 i	323 i	342 i	370	281	364	381
545	Loyola C.	1,513	675	770	330	392	551	464 i	377

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
546	U. Portland	235	291	285	133	183	178	352	373
547	Jacksonville State U.	ne	ne	ne	ne	ne	873	1,315	371
548	Hendrix C.	398 i	451 i	504 i	557 i	615	476	558	369
549	Skidmore C.	67	68	227	384	364	741	430	369
550	Bradley U.	146	286	953	973	671	346	405	357
551	National U. of Health Sciences	ne	ne	402	362	31	48	460	351
552	Point Loma Nazarene C.	83	95	53	122 i	191 i	261	376	348
553	Mercyhurst C.	ne	ne	ne	ne	ne	ne	449	347
554	Kennesaw State U.	249	298	221	300	311	293	222	341
555	Southeastern OK State U.	ne	ne	ne	122	320	475	476	332
556	U. New Haven	19 e	1,492	1,492 e	1,073 i	654 i	235	ne	332
557	Andrews U.	87	145	123	82	249	122	219	321
558	Rider U.	225	189	218	185	428	308	372	321
559	U. NC Pembroke	ne	ne	ne	ne	ne	ne	160	319
560	Gettysburg C.	ne	ne	ne	ne	ne	536	350	315
561	Dickinson C.	390	806	685	624	708	212	201	312
562	Manhattan C.	293	293 e	257	257 e	284 i	312	294	311 i
563	West Liberty State C.	ne	ne	ne	ne	ne	ne	442	310
564	U. Central OK	9	245	250	58	71	198	841	308
565	TX A&M U. Commerce	157	83	37	43	54	71	174	305
566	U. of St. Thomas (St. Paul, MN)	54 i	89	160	151	154	182	232	302
567	U. San Diego	422	185	1,425	622	399	1,187	280	297
568	Drake U.	198	163	692	692 e	647	398	416	294
569	John Carroll U.	1,072 e	232	489	334	197	345	452	293
570	U. Baltimore	ne	ne	ne	ne	ne	2,255	1,757	286
571	Polytechnic U. PR	ne	ne	ne	ne	ne	ne	ne	285
572	Maharishi U. of Management	1,213	1,213	2,618	2,541	2,541 e	492	499	280
573	Sonoma State U.	33	597	161	213	234	445	219	280
574	Allegheny C.	88	412	562	368	476	315	207	278
575	Bard C.	ne	ne	ne	ne	ne	173 i	ne	278 i
576	Whitman C.	283	322	211	568	544	499	297	277
577	Southern Polytechnic State U.	ne	ne	ne	ne	ne	ne	ne	272
578	U. Scranton	3,106 i	3,408 i	3,715	2,439	1,374	1,016	740	272
579	Ursinus C.	ne	ne	ne	ne	ne	ne	357	272
580	OH Wesleyan U.	185 e	194 i	203	203 e	264 i	325	271	263
581	U. CA Office of the President	NA	NA	NA	NA	203	519	796	256
582	Lawrence U.	227 i	237 i	247 i	257 i	267 i	277 i	296	254
583	Pacific Lutheran U.	135 i	151 i	167 i	183 i	199 i	215 i	231 i	251
584	Albany C. of Pharmacy	839	806	572	377	235	351	524	250

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
585	Universidad Metropolitana	ne	ne	ne	ne	ne	2,677 i	298	248
586	Indiana U. PA all campuses	544	453	476	504	1,446	513	336	246
587	Washington and Lee U.	268 i	295 i	322 i	349 i	376 i	404	287	246
588	Northeastern IL U.	24	47	47	26	17	65	40	245
589	Wabash C.	ne	ne	ne	ne	166	222	147	241
590	Simmons C.	74	30	118	302	208	108	155	240
591	Truman State U.	127 i	98 i	68	156	84	187	227	238
592	SUNY C. Cortland	233	276	316	335	245	386	201	237
593	Southwestern OK State U.	ne	ne	ne	ne	ne	ne	ne	230
594	Coe C.	0 i	ne	ne	ne	ne	ne	ne	228
595	U. Detroit Mercy	314	219	369	158	158 e	191 i	225	227 i
596	Mayville State U.	ne	ne	ne	ne	ne	185	243	224
597	DePauw U.	ne	ne	ne	ne	199 i	201 i	211 i	221 i
598	Western CT State U.	ne	ne	ne	ne	ne	ne	ne	221
599	C. Wooster	276	249	284	342	281 e	467	507	219
600	Goucher C.	108 i	111 i	114 i	117 i	ne	ne	ne	216
601	Heritage U. (Toppenish, WA)	ne	ne	ne	ne	ne	266	254	210
602	Loyola U. New Orleans	237 i	262 i	287 i	312 i	337 i	367	158	206
603	MN State U. Mankato	175	165	181	95	72 i	48	93	203
604	Carlos Albizu U. (San Juan, PR)	ne	ne	ne	ne	ne	ne	234	202
605	Chapman U.	73	77	442	340	439	303	236	198
606	Miles C.	ne	ne	7,943	0	ne	ne	ne	197
607	MA C. of Pharmacy and Health Sciences	64 i	129	77	562	270	246 i	222 i	196
608	Abilene Christian U.	165	162	173	172	135	164	187	194
609	LeTourneau U.	ne	ne	ne	ne	ne	ne	ne	189
610	Fairfield U.	203	160	106	246	267	263	162	182
611	Juniata C.	105	107 e	101	363	778	537	167	181
612	Troy U. main campus	ne	ne	ne	ne	ne	ne	217	181
613	U. WI Whitewater	223	255	210	204	264	277	219	180
614	U. WI Stout	880	816	1,003	1,156	838	285	184	175
615	Berry C.	ne	ne	ne	ne	ne	ne	187	174 i
616	AR Tech U.	92	130	130 e	135 i	140 i	145 i	150	171 i
617	Nicholls State U.	14	0	59	57	98	674	374	167
618	Cheyney U. PA	152 i	171 i	190 i	209 i	228 i	247 i	278	166
619	CA State U. Sacramento	114 i	120 i	126 i	132 i	138 i	144 i	150 i	163
620	U. Houston-Clear Lake	6,383	10,629	7,460	514	238	324	244	159
621	Winona State U.	ne	ne	ne	ne	ne	ne	ne	158
622	Denison U.	238	121	183	381	224	212 i	200	156
623	Southern U. New Orleans	60 e	652	902	552	556	592	592	154

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
624	Jacksonville U.	ne	ne	ne	ne	ne	ne	0	153
625	Sweet Briar C.	ne	ne	ne	ne	ne	ne	ne	151
626	U. WI River Falls	24	81	89	51	106	189	257	150
627	Ft. Lewis C.	139	231	221	191	150	204	616	147
628	U. TX of the Permian Basin	ne	ne	ne	ne	ne	ne	ne	147
629	Grinnell C.	774	168	385	325	225	603	180	145
630	Northern MI U.	95 i	100 i	105 i	110 i	115 i	120 i	125 i	143
631	Pacific U.	20	157	157	823	435 i	47	263	142
632	McNeese State U.	512	290	409	430	451	382	279	140
633	U. Houston-Downtown	660	660 e	596	373	449	317	256	123
634	A.T. Still U. of Health Sciences	542	731	895	494	333	344	273	120
635	Pitzer C.	299	261	227	266	223	121	146	116
636	Kalamazoo C.	189 i	204 i	219 i	234 i	254	244	257	114
637	Des Moines U.	134	164	164 e	78	78 e	115 i	153	108
638	Wilkes U.	ne	ne	79	221	105	ne	49	108
639	Gustavus Adolphus C.	85	197 i	309 i	421 i	533	368	244	102
640	William Paterson U. NJ	ne	ne	ne	ne	ne	ne	ne	97 i
641	Augustana C. (Rock Island, IL)	68 i	81 i	94 i	108	504	203	97	90 i
642	VA Military Institute	50	24	10	32	0	35	120	89
643	Willamette U.	77	69	87	136	94	51	114	87
644	U. WI Parkside	212	352	563	427	548	501	248	84
645	Canisius C.	110 i	118 i	126 i	134 i	142 i	150 i	159	76
646	Lake Forest C.	200	220	126	132	228	133	113	76
647	St. Mary's C. MD	378	233	262	318	151	306	305	76
648	CO State U. Pueblo	370	707	541	580	714	598	573	55
649	C. NJ, The	ne	ne	456	369 i	282 i	195 i	105	49
650	U. WI Platteville	9 i	12 i	15 i	18 i	21 i	28	29	46
651	Angelo State U.	ne	ne	ne	ne	ne	ne	69	45
652	CUNY Baruch C.	87	87 e	347	213	232	184	90	40
653	Roanoke C.	ne	ne	ne	388	364	192	144	26
654	Kansas City U. of Medicine and Biosciences	0	380	513	429	407	219	28	16
655	U. of the South	ne	ne	ne	ne	ne	68	57	13

TABLE 30. Federally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
656	Seattle Pacific U.	ne	ne	ne	ne	ne	ne	ne	10 i
657	SUNY Fredonia	120	121	104	172	116	33	52	8
	All other surveyed institutions	65,359	57,816	46,224	21,745	18,617	18,663	16,818	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$740,949 in federally financed R&D expenditures in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
	All institutions	12,536,516	13,579,855	14,531,993	15,329,818	15,613,746	16,589,400	17,619,132	18,990,022
1	OH State U. all campuses	229,180	229,560	254,504	297,950	233,413	314,870	336,415	406,964
2	U. CA, San Francisco	194,135	247,486	269,572	299,746	309,377	315,456	331,489	375,438
3	U. WI Madison	275,732	300,134	317,098	320,813	329,452	320,517	340,085	371,596
4	U. FL	193,318	212,471	219,208	234,776	225,248	299,035	317,169	352,016
5	U. CA, Davis	223,049	277,459	280,009	273,818	289,820	306,975	324,812	343,514
6	U. CA, Los Angeles	256,664	380,943	420,836	428,183	311,424	315,736	327,620	334,237
7	U. CA, San Diego	192,522	213,257	225,625	246,408	243,061	257,089	290,959	323,188
8	Duke U.	152,445	157,024	180,177	213,327	172,975	254,184	242,661	322,721
9	TX A&M U.	247,629	257,659	273,193	279,116	283,104	266,812	286,713	315,525
10	U. TX M. D. Anderson Cancer Ctr.	100,324	118,693	144,512	192,300	202,505	222,827	275,668	306,031
11	U. CA, Berkeley	310,176	238,193	257,449	268,980	256,768	263,591	284,317	301,322
12	U. MN all campuses	181,422	197,722	198,964	215,291	218,593	229,102	268,707	286,183
13	PA State U. all campuses	201,501	212,115	208,033	232,333	252,143	267,195	276,967	281,355
14	Cornell U. all campuses	180,521	203,362	225,545	233,892	236,447	241,110	258,759	274,842
15	U. AZ	157,929	167,644	179,055	195,867	194,724	237,422	234,228	261,812
16	Purdue U. all campuses	142,526	156,766	178,301	180,277	221,689	214,635	215,520	249,535
17	VA Polytechnic Institute and State U.	121,545	138,939	149,584	149,664	173,083	180,152	201,728	238,164
18	U. MI all campuses	187,523	204,406	229,469	263,236	247,787	254,371	234,749	231,530
19	U. GA	195,798	205,385	206,574	205,864	216,812	213,840	231,191	229,356
20	LA State U. all campuses	162,226	174,286	189,435	215,303	229,465	228,504	207,371	226,771
21	U. IL Urbana-Champaign	179,534	195,547	212,851	227,094	230,145	209,726	211,553	220,278
22	GA Institute of Technology all campuses	178,347	162,697	174,667	160,608	173,316	180,256	183,147	212,361
23	SUNY Albany	20,733	23,448	26,996	44,617	109,265	155,767	170,519	203,445
24	NC State U.	187,221	203,384	198,037	189,868	189,134	193,468	199,674	200,606
25	U. PA	117,955	117,856	124,682	149,004	161,413	189,698	197,279	198,560
26	U. NE all campuses	132,478	154,732	165,220	179,797	183,717	203,910	194,130	198,130
27	U. MD Baltimore	133,134	139,916	149,805	171,115	176,072	175,126	219,100	194,640
28	Northwestern U.	95,536	99,804	103,547	119,406	128,354	143,129	170,005	193,934
29	Johns Hopkins U., The ^a	107,890	119,505	117,725	137,161	145,588	166,500	192,524	191,267
30	MI State U.	141,324	153,587	167,192	187,590	181,965	177,274	188,981	190,502
31	U. KY all campuses	128,534	125,482	135,849	152,059	167,723	163,859	172,720	176,918
32	Rutgers, The State U. NJ all campuses	145,557	159,637	167,624	168,722	167,879	171,922	178,748	175,679
33	Baylor C. of Medicine	140,926	147,067	152,449	158,999	163,406	158,056	174,696	175,134
34	SUNY Buffalo all campuses	91,282	90,234	105,583	110,386	115,087	115,381	144,757	165,848
35	Clemson U.	83,599	75,325	87,666	90,434	97,520	118,298	123,572	157,855
36	U. TX Austin	93,922	99,920	101,808	111,858	108,605	156,452	158,251	157,434
37	SUNY Stony Brook all campuses	66,666	75,222	75,923	87,878	90,423	86,508	121,662	157,041
38	U. Southern CA	89,573	94,390	105,752	113,904	114,076	114,910	116,795	153,054

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
39	Stanford U.	90,739	98,438	111,854	119,687	129,379	140,222	139,127	152,724
40	U. TX Southwestern Medical Ctr. Dallas	80,051	90,556	108,700	99,496	113,515	118,743	136,616	149,403
41	Washington U. St. Louis	108,068	121,714	113,519	116,964	118,522	131,147	139,272	148,324
42	Rockefeller U.	78,927	90,209	99,044	116,840	109,687	113,167	121,675	147,189
43	U. MD College Park	115,824	121,868	130,885	138,693	144,705	142,640	144,480	140,787
44	U. IA	96,180	100,099	108,065	94,775	103,049	117,790	129,836	140,299
45	U. CA, Irvine	70,163	78,131	93,921	100,783	106,029	115,239	130,246	139,642
46	MA Institute of Technology	119,631	131,176	116,377	129,558	115,896	123,507	124,386	138,034
47	U. WA	139,720	154,523	140,214	119,212	88,758	101,202	127,754	136,412
48	U. IL Chicago	93,896	107,989	116,669	123,444	119,943	120,116	128,301	133,540
49	WA State U.	56,355	59,277	85,724	104,528	96,791	102,455	115,067	131,505
50	U. NC Chapel Hill	74,278	81,961	116,235	109,864	112,523	120,739	114,575	130,559
51	IN U. all campuses	120,160	143,118	166,321	184,044	217,255	135,609	184,369	129,047
52	Emory U.	61,156	66,680	85,155	94,969	68,437	66,797	78,095	126,938
53	U. Cincinnati all campuses	61,610	64,846	66,486	68,840	81,361	83,382	92,408	122,019
54	Wayne State U.	92,494	96,536	103,097	111,679	110,775	105,750	102,689	120,822
55	U. MO-Columbia	93,441	106,347	99,269	121,001	127,246	124,680	113,508	120,326
56	IA State U.	115,582	117,172	117,245	117,269	119,761	111,540	117,445	120,046
57	U. CA Office of the President	NA	NA	NA	NA	90,030	96,726	127,974	118,654
58	U. Pittsburgh all campuses	66,654	80,221	93,287	64,059	67,249	102,143	107,846	117,209
59	U. TN all campuses	91,631	83,287	99,917	116,903	119,403	134,695	115,738	116,186
60	U. South FL	94,840	112,724	113,786	107,147	113,115	116,638	132,204	114,219
61	U. of Medicine and Dentistry NJ	65,633	76,363	87,921	85,268	87,322	96,539	104,848	110,733
62	AZ State U.	58,182	62,147	58,609	73,850	72,287	72,378	92,062	109,720
63	NY U.	65,042	60,825	72,983	75,560	77,892	84,416	94,888	103,564
64	U. CT all campuses	94,940	94,353	78,677	78,687	83,627	85,635	90,347	101,166
65	Yale U.	64,687	70,812	79,939	90,931	91,991	98,916	111,575	99,644
66	MS State U.	78,695	81,446	81,131	86,085	109,147	95,360	95,844	99,545
67	Scripps Research Institute, The	NA	NA	NA	NA	70,921	57,201	98,842	93,438
68	U. Rochester	46,742	67,316	66,303	77,620	81,110	87,840	88,259	93,115
69	U. OK all campuses	90,360	88,431	99,985	99,148	77,530	85,887	87,839	90,403
70	Vanderbilt U.	41,940	40,274	35,447	54,095	56,851	68,739	76,470	86,971
71	U. KS all campuses	79,720	81,973	89,468	80,136	79,272	79,337	80,425	86,459
72	Columbia U. in the City of NY	36,530	36,569	48,654	52,140	61,908	82,236	78,758	86,247
73	Auburn U. all campuses	61,097	66,250	66,343	71,626	76,140	80,884	80,982	85,680
74	U. CO all campuses	53,241	56,829	59,352	58,820	68,006	67,701	64,444	85,284
75	Medical U. SC	23,811	56,144	56,227	57,658	59,685	69,890	71,998	83,222
76	U. AL Birmingham, The	58,152	37,077	38,832	39,280	49,286	30,102	38,474	82,451
77	U. CA, Santa Barbara	37,400	39,544	53,425	60,708	59,077	61,059	68,260	79,356

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
78	OR State U.	60,353	69,071	70,052	67,132	66,010	71,279	73,020	79,101
79	CO State U.	50,850	59,836	66,195	69,903	52,812	81,966	71,344	77,751
80	KS State U.	60,605	60,032	62,816	59,420	63,218	64,577	71,097	76,246
81	FL State U.	48,265	56,742	63,895	64,292	65,165	67,111	75,275	75,884
82	U. Louisville	46,349	47,741	41,996	48,598	56,177	61,243	65,392	74,747
83	U. UT	63,317	70,344	74,082	71,627	69,027	76,039	73,280	73,075
84	U. CA, Riverside	62,495	68,742	79,631	72,059	69,646	69,302	66,797	72,114
85	U. SC all campuses	52,526	57,990	69,705	58,366	49,815	57,117	64,443	69,857
86	Princeton U.	60,194	70,791	66,684	75,940	76,938	82,338	70,320	69,561
87	U. MA Amherst	52,195	48,400	54,562	52,673	55,336	60,566	66,096	69,377
88	WV U.	38,117	41,871	35,591	44,162	47,183	52,909	58,370	67,891
89	Case Western Reserve U.	42,471	39,401	37,154	45,222	36,275	111,133	62,284	67,632
90	U. TX Medical Branch	36,539	38,040	51,434	60,083	64,307	57,019	59,507	65,319
91	Dartmouth C.	22,505	39,252	39,584	49,761	50,157	56,765	59,847	64,682
92	U. TX Health Science Ctr. San Antonio	38,573	44,001	45,855	46,621	47,377	47,250	54,930	64,672
93	OK State U. all campuses	63,515	64,675	63,887	65,331	60,570	62,799	62,380	64,154
94	U. AR main campus	50,039	55,131	55,475	55,206	57,830	64,642	67,345	64,093
95	U. Miami	39,162	41,969	50,148	46,846	52,503	53,513	63,108	62,999
96	U. Central FL	33,845	56,945	36,422	42,131	59,241	62,689	70,022	62,236
97	ND State U. all campuses	34,600	49,675	50,691	53,872	56,740	56,951	58,360	60,733
98	U. Chicago	29,806	38,559	41,434	46,193	43,288	48,291	51,830	60,618
99	OR Health & Science U.	22,321	25,114	28,498	32,957	48,228	49,542	48,970	59,989
100	U. TX Health Science Ctr. Houston	39,922	36,894	39,704	41,813	40,591	40,122	52,284	59,845
101	Harvard U.	60,111	71,693	64,760	60,087	54,731	51,290	49,698	59,173
102	U. HI Manoa	65,881	59,260	50,941	35,705	49,333	40,514	47,216	58,251
103	Brown U.	31,533	33,269	41,267	43,645	46,615	47,405	61,004	57,596
104	U. CA, Santa Cruz	30,253	35,052	38,066	40,235	41,101	43,316	47,736	56,652
105	U. NM main campus	33,538	47,114	46,346	51,698	57,786	49,146	53,316	54,391
106	U. ME	30,409	40,197	38,417	40,022	44,703	46,115	51,759	54,172
107	U. WY	26,538	21,615	21,615 e	36,868	36,868 e	54,098	63,570	54,163
108	U. AK Fairbanks all campuses	55,895	54,908	50,110	56,309	56,943	49,851	55,140	52,194 i
109	Medical C. WI	15,547	19,854	20,459	25,582	38,688	40,681	47,012	50,971
110	UT State U.	45,783	47,108	42,228	43,368	45,671	38,964	42,428	48,117
111	Mt. Sinai School of Medicine	51,658	67,602	59,356	51,134	27,537	33,967	48,305	48,054
112	U. AR for Medical Sciences	19,112	17,702	17,555	21,996	20,814	32,463	41,744	47,715
113	NJ Institute of Technology	30,514	39,473	41,588	43,129	44,003	41,204	42,094	47,369
114	NM State U. main campus	22,622	25,839	32,764	33,245	16,933	34,180	63,145	47,347
115	Southern IL U. Carbondale	26,224	32,339	42,815	40,940	38,396	40,459	54,412	46,979
116	Rush U.	35,616	32,918	34,638	39,362	37,548	34,543	38,150	44,769

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
117	VA Commonwealth U.	36,083	41,865	44,591	45,250	43,773	48,783	51,680	44,316
118	Yeshiva U.	37,987	40,430	42,856	48,342	31,733	32,210	35,631	44,258
119	Wake Forest U.	21,255	20,322	19,896	21,938	13,678	43,467	43,580	44,142
120	TX A&M U. System Health Science Ctr.	11,415	22,475	27,219	28,302	33,887	40,213	40,895	42,953
121	U. LA Lafayette	20,528	19,943	34,871	29,314	39,368	28,461	35,712	41,363
122	MT State U. Bozeman	34,760	34,736	38,225	38,220	38,822	37,861	37,066	41,234
123	Tufts U.	41,106	34,137	36,055	33,667	33,435	32,828	33,001	39,447
124	FL International U.	14,353	20,351	15,597	11,315	15,632	25,350	17,673	38,762
125	Tulane U.	37,705	44,092	38,174	35,591	35,760	44,331	30,345	38,634
126	George Washington U.	19,673	22,048	27,559	23,495	25,281	28,936	38,773	38,486
127	U. ID	38,333	40,948	43,293	42,352	44,681	43,797	39,845	37,246
128	U. DE	36,995	35,661	36,974	31,213	33,402	35,618	35,345	35,706
129	Northeastern U.	8,424	10,935	14,245	16,036	16,624	26,990	30,424	35,474
130	TX Tech U.	44,783	46,951	54,583	60,739	34,411	34,552	36,313	35,004
131	Uniformed Services U. of the Health Sciences	12,964	13,142	18,336	21,077	27,591	28,678	28,255	34,032
132	U. Houston	27,537	29,691	28,252	30,899	26,494	43,469	37,103	33,426
133	U. NH	33,187	42,656	42,393	36,952	36,018	29,725	28,701	33,201
134	U. NV, Reno	29,981	27,843	26,763	32,797	32,765	35,250	34,441	33,096
135	San Diego State U.	32,200	34,711	39,079	38,969	36,618	38,559	38,426	32,671
136	U. VA all campuses	24,732	26,679	29,982	32,757	40,411	36,452	34,976	31,907
137	CA Institute of Technology	25,789	21,531	20,060	21,567	16,911	15,993	21,678	31,831
138	U. MD Biotechnology Institute	18,789	24,885	26,972	25,151	23,289	24,859	27,292	31,382
139	Temple U.	14,253	18,539	19,273	20,018	25,599	29,075	28,832	30,942
140	U. MS all campuses	16,820	18,959 i	21,098 i	23,238	20,080	24,310	25,754	30,718
141	Georgetown U.	34,375	5,602	30,326	29,250	30,468	23,610	26,290	29,932
142	Drexel U.	10,584	7,539	14,233	20,277	21,157	25,443	28,188	29,780
143	Wichita State U.	10,985	10,416	12,155	11,782	18,152	23,137	15,571	29,312
144	U. TX Dallas	8,635	8,635 e	14,574	16,218	15,541	23,178	24,244	28,694
145	Carnegie Mellon U.	46,789	47,419	50,224	28,768	32,291	26,395	27,117	28,657
146	Rensselaer Polytechnic Institute	15,207	19,116	19,465	18,482	20,256	23,233	25,886	28,314
147	Wright State U. all campuses	16,549	16,616	14,892	16,127	17,453	19,801	25,281	27,484
148	U. MD Ctr. for Environmental Science	20,800	24,530	25,421	25,690	25,807	27,169	27,286	27,355
149	MI Technological U.	10,554	11,993	12,032	12,597	16,935	20,428	24,324	27,101
150	GA State U.	24,510	25,385	25,597	23,435	19,570	25,058	27,722	26,818
151	U. Memphis, The	16,204	18,433	19,553	23,743	30,042	34,836	27,751	26,594
152	Old Dominion U.	10,150	9,379	12,053	11,442	13,442	22,543	22,460	26,440
153	U. MA Worcester	33,375	31,768	38,737	39,741	42,928	45,669	20,311	26,243
154	Thomas Jefferson U.	22,178	24,055	23,757	23,735	19,782	21,217	24,435	25,743
155	Woods Hole Oceanographic Institution	14,511	15,359	21,506	19,813	13,631	16,770	20,257	24,656

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
156	C. of William and Mary all campuses	20,268	20,541	21,851	21,982	23,371	23,248	22,904	23,871
157	Southern IL U. Edwardsville	1,144	959	12,630	15,760	18,144	19,840	22,432	23,771
158	U. RI	9,597	7,674	7,894	9,876	12,357	18,120	23,798	23,676
159	U. of Notre Dame	7,162	16,295	19,086	18,583	25,605	20,194	22,843	23,493
160	U. VT	23,530	26,787	30,322	34,162	35,105	35,814	39,322	23,146
161	SD State U.	9,336	11,261	10,970	16,211	17,515	18,128	20,487	22,304
162	U. MT-Missoula, The	11,212	14,341	16,755	16,342	16,600	18,252	19,864	21,900
163	U. WI Milwaukee	11,585	12,403	13,472	13,555	14,598	16,855	18,166	21,655
164	U. AL Huntsville, The	15,335	13,106	12,693	11,037	9,652	12,243	14,595	21,612
165	SUNY Binghamton	12,342	12,600	12,384	14,109	14,991	15,275	17,422	21,471
166	U. Toledo	7,382	9,577	15,829	13,195	14,479	16,830	13,959	20,585
167	OH U. all campuses	12,072	14,248	18,924	17,121	17,873	22,493	18,427	20,066
168	Medical C. GA	30,386	31,075	28,388	28,118	22,967	25,368	19,619	19,392
169	U. TX El Paso	4,461	5,722	7,227	9,069	8,540	11,447	12,830	18,947
170	Boston C.	11,094	10,645	8,927	9,251	9,251 e	13,787	17,315	18,925
171	U. ND all campuses	3,463	3,949	8,969	13,467	13,246	14,706	17,226	18,426
172	U. MD Baltimore County	5,800	5,946	6,947	8,742	11,855	15,090	20,888	17,507
173	Boston U.	20,299	21,260	21,174	20,894	21,813	17,678	17,055	17,164
174	U. MA Boston	8,680	9,126	8,284	10,214	10,048	11,822	12,446	16,800
175	Creighton U.	10,300	10,399	12,388	14,703	11,706	14,339	15,110	16,658
176	SUNY C. of Environmental Science and Forestry	22,331	23,499	21,707	21,606	12,920 i	4,233	10,123 i	16,012
177	U. Akron all campuses	12,414	13,594	18,543	18,605	17,204	16,642	17,007	15,928
178	Brandeis U.	21,214	22,787	18,116	17,119	13,457	14,348	15,833	15,473
179	Rice U.	6,696	6,993	8,430	8,661	9,715	8,367	12,684	15,471
180	U. Southern ME	1,243 e	2,433 i	3,623 i	4,813 i	6,003 i	7,193 i	8,383	15,143
181	U. MA Lowell	9,429	9,460	7,895	6,962	5,508	6,244	8,894	14,779
182	Miami U. all campuses	8,000	9,480	9,258	9,415	10,245	10,012	11,355	14,765
183	NM Institute of Mining and Technology	14,984	15,137	17,445	21,752	24,623	25,257 i	25,891	14,692
184	Lehigh U.	12,780	15,097	9,168	12,996	12,648	15,648	15,221	14,421
185	Northern AZ U.	4,728	5,041	6,390	6,546	7,213	8,323	13,327	14,157
186	U. Dayton	7,628	7,241	6,363	5,616	7,087	8,663	12,301	13,916
187	U. TX Arlington	5,617	8,073	7,249	7,218	8,505	11,317	10,261	12,960
188	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	12,223	11,967	12,300	12,241
189	U. OR	5,141	4,649	6,546	8,477	8,322	9,093	10,570	12,227
190	U. MO-Rolla	16,164	16,870	16,473	17,857	21,024	16,565	15,033	12,139
191	SUNY Upstate Medical U.	8,634	8,479	8,922	9,279	9,440	11,656	9,934	11,766
192	CO School of Mines	9,800	11,340	13,285	12,848	10,537	10,998	8,186	11,691
193	George Mason U.	6,124	6,889	6,959	6,470	6,452	6,155	14,470	11,664
194	San Jose State U.	9,180 e	8,408	9,226	9,388	8,905	11,726	11,490	11,632

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
195	Syracuse U. all campuses	10,443	12,440	13,166	14,287	15,114	15,075	10,801	11,502
196	CUNY Hunter C.	6,397	9,042	11,332	15,657	16,095	14,480	12,836	11,278
197	CUNY The City C.	4,000	4,077	3,784	4,256	6,236	6,703	8,908	11,064
198	Cleveland State U.	6,896	9,000	9,206	10,501	10,508	8,678	9,337	10,851
199	Eastern VA Medical School	11,185	14,861	15,495	17,370	16,268	13,752	13,614	10,833
200	U. MO-Kansas City	12,157	10,619	13,265	16,872	16,272	13,820	10,051	10,328
201	U. NC Charlotte	2,410	2,760	2,923	4,618	3,609	5,680	7,671	10,278
202	Loyola U. Chicago	9,339	10,682	9,929	9,474	6,984	9,967	12,249	10,146
203	Air Force Institute of Technology	2,400	6,640	6,634	6,036	8,337	9,732	13,571	10,120
204	LA Tech U.	7,593	7,744	8,623	8,942	11,400	10,496	9,507	10,015
205	U. TX San Antonio	2,851	3,319	4,004	3,672	4,094	6,505	9,982	9,997
206	Brigham Young U. all campuses	6,859	7,512	8,328	5,993	6,436	7,083	8,664	9,535
207	Desert Research Institute	5,768	7,679	6,705	8,492	8,548	5,915	8,104	9,486
208	U. South AL	1,589	1,589 e	1,770	1,733	2,264	2,893	4,161	9,483
209	Clarkson U.	3,914	4,036	4,036 e	2,633	8,269	6,936	7,863	9,389
210	Kent State U. all campuses	3,081	3,158	3,441	5,271	3,619	3,426	2,878	9,200
211	CA State Polytechnic U. San Luis Obispo	4,528	6,040	8,034	9,778	6,801	5,492	6,068	9,126
212	U. North TX Health Science Ctr. Ft. Worth	4,332	4,473	5,123	5,461	5,261	5,288	5,941	8,984
213	Portland State U.	5,277	5,497	5,769	8,157	8,157 e	10,360	9,966	8,971
214	FL Atlantic U.	7,176	11,012	8,429	8,429	9,105	11,432	8,944	8,732
215	TX A&M U. Kingsville	5,225	5,091	6,252	7,437	7,270	8,417	8,718	8,727
216	NC Agricultural and Technical State U.	2,213	3,692	3,400	5,078	6,047	6,588	7,813	8,682
217	U. PR Mayaguez Campus	22,846	9,612	11,074	10,433	9,147	9,706	10,435	8,649
218	U. AL, The	12,361	10,950	10,230	7,946	9,803	10,138	12,282	8,638
219	U. AR Little Rock	0 e	0	0 e	16,527	1,541	1,664	8,205	8,543 i
220	NY Medical C.	5,373	5,939	5,904	7,105	8,418	7,218	7,818	8,264
221	San Francisco State U.	662 e	662 e	1	6,411	5,847	11,198	10,078	8,173
222	U. MA Dartmouth	3,677	4,560	7,888	7,758	8,875	9,600	9,655	8,082
223	ID State U.	5,176	5,010	5,381	5,497	5,969	7,613	5,093	7,976
224	Polytechnic U.	7,300	4,214	5,997	6,482 i	6,967	6,672	6,993	7,887
225	U. CA, Merced	na	na	na	na	na	1,652	4,392	7,826
226	Rochester Institute of Technology	2,091	5,804	5,632	5,567	7,008	9,448	7,526	7,736
227	Mercer U. all campuses	6,788	6,261	4,391	6,978	8,824	8,807	7,788	7,021
228	U. North TX	5,490	8,823	7,212	7,670	6,459	5,614	6,476	7,015
229	Western MI U.	9,646	8,784	9,110	9,440	5,599	5,531	6,791	6,928
230	U. NV, Las Vegas	10,400	11,327	8,160	9,694	17,416	12,401	14,259	6,921
231	U. PR Medical Sciences Campus	4,716	4,480	5,158	5,279	6,029	5,946	7,225	6,908
232	U. Tulsa	4,556	5,212	4,797	3,088	4,135	3,771	4,394	6,884
233	U. MO-St. Louis	5,375	5,763	6,764	7,841	7,811	7,586	6,667	6,667

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
234	SUNY Health Science Ctr. Brooklyn	8,766	8,766 e	8,142 i	7,518 i	6,894 i	6,266	5,880	6,577
235	St. Louis U. all campuses	4,549	4,325	4,229	4,200	4,200 e	2,599	2,950	6,561
236	TN Technological U.	7,426	8,223	8,128	8,070	6,215	5,797	5,974	6,150
237	Baylor U.	2,954	2,182	3,038	3,391	3,870	4,891	4,864	6,122
238	Jackson State U.	1,337	2,913	3,724	3,236	2,835	5,404	7,490	5,908
239	U. NC Wilmington	2,523	3,065	4,618	3,805	4,430	9,952	3,725	5,702
240	East Carolina U.	4,073	5,347	5,483	4,955	3,897	3,273	3,404	5,616
241	Albany Medical C.	3,831	4,274	4,203	3,717	3,713	3,940	5,075	5,508
242	TX State U. San Marcos	988	5,030	3,965	3,748	5,594	4,340	5,162	5,362
243	TX A&M U. Corpus Christi	4,636	3,249	5,997	5,700	6,581	4,273	4,856	5,324
244	U. of the VI	1,353 e	2,357 i	3,361	4,990	6,276	4,522	4,977	5,281
245	U. PR Rio Piedras Campus	3,688	4,328	4,765	4,713	4,324	6,245	4,728	5,265
246	AL A&M U.	1,182	3,094 i	5,007	6,513	5,406	4,070	6,894	5,205
247	CA State U. Northridge	3,008	3,008 e	3,833	5,178	3,784	3,048	2,290	5,073
248	U. Central AR	938	1,216	1,166	1,439	1,294	1,682	4,512	5,002
249	Duquesne U.	760	3,034	3,723	4,106	4,603	4,379	5,174	4,994
250	Teachers C. Columbia U.	2,948	4,059	4,470	4,031	3,428	4,482	4,641	4,930
251	U. SD	2,658	2,012	2,538	2,840	2,674	3,233	5,305	4,790
252	CA State U. San Bernardino	917	1,230	2,341	2,718	3,628	3,130	5,753	4,770
253	Morehouse School of Medicine	1,470	1,543	2,037	2,772	9,986	6,439	3,222	4,656
254	Catholic U. America, The	1,649	4,231	4,958	5,611	4,683	5,237	4,398	4,595
255	Humboldt State U.	2,928 e	3,098 i	3,268 i	3,438 i	3,608 i	3,778 i	3,952	4,577
256	Rosalind Franklin U. of Medicine and Science	2,470	1,781	3,007	3,140	2,771	1,946	1,474	4,510
257	U. Southern MS	2,622	2,225	3,287	3,396	3,833	2,940	4,586	4,490
258	Tarleton State U.	2,446	2,513	2,655	2,836	1,986	2,126	2,581	4,299
259	Marshall U.	613	1,238	1,783	2,268	3,117	3,661	3,025	4,107
260	Howard U.	1,962	2,300	1,438	1,440	1,318	1,589	1,506	4,024
261	TN State U.	2,412	2,581	4,044	4,026	3,978	4,223	3,880	4,000
262	Grand Valley State U.	770	769	1,969	1,959	4,187	2,820	3,043	3,951
263	Worcester Polytechnic Institute	6,096	4,842	5,480	6,391	5,556	5,255	4,290	3,864
264	Northern IL U.	3,828	4,764	5,386	5,476	4,863	3,342	4,931	3,676
265	Stephen F. Austin State U.	4,768	4,035	4,528	4,195	2,923	3,257	4,476	3,672
266	Fordham U.	1,483	1,659	1,803	1,991	2,462	2,030	3,592	3,640
267	Charles R. Drew U. of Medicine and Science	9,076	9,302	9,580	10,481	11,564	2,024	2,794	3,538
268	Oakland U.	3,389 e	2,079	1,966	1,705	1,057	906	2,964	3,486
269	U. LA Monroe	5,311 e	4,937 i	4,563 i	4,189 i	3,815	4,473	2,633	3,480
270	Alfred U. all campuses	5,215	5,512	5,970	5,686	4,901	5,785	3,983	3,472
271	Western WA U.	1,885	2,260	2,368	2,445	2,569	2,688	3,575	3,461
272	Ball State U.	1,556	1,894	2,418	1,934	4,042	3,230	3,506	3,372

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
273	Loma Linda U.	5,558	4,721 i	3,882	3,621	3,020	3,043	3,663	3,354
274	Tuskegee U.	2,199	2,280	2,262	2,407	2,615	2,488	2,680	3,296
275	Central MI U.	613 e	1,741	2,062	2,021	2,974	1,852	2,665	3,255
276	SD School of Mines and Technology	1,616	2,505	2,742	2,631	2,260	2,595	2,755	3,248
277	Nova Southeastern U.	859	844	1,368	2,789	3,255	4,070	3,241	3,227
278	IL Institute of Technology	2,808	3,805	8,632	11,844	8,045	9,005	3,525	3,224
279	U. of the Pacific	474	752	1,161	717	1,261	2,458	3,019	3,223
280	CA State U. Monterey Bay	ne	626	626 e	553	454	224	328	3,200
281	East TN State U.	3,726	4,650	7,793	8,329	3,376	3,083	3,230	3,156
282	Southern Methodist U.	3,411	3,361	3,748	3,950	3,680	3,424	3,172	3,077
283	Albany C. of Pharmacy	521	402	334	517	620	2,214	1,783	2,998
284	Marquette U.	4,568	3,927	6,242	6,976	3,606	3,359	2,879	2,902
285	Stevens Institute of Technology	7,094	5,761	5,761 e	4,551 i	3,341	4,371	3,347	2,875
286	Bowling Green State U. all campuses	1,607 e	2,633	2,498	2,958	2,953	3,328	4,504	2,821
287	CA State U. Fresno	9,775	3,946	8,006	10,979	11,461	8,628	8,188	2,820
288	Prairie View A&M U.	1,785	4,203	2,732	3,307	3,024	3,346	2,377	2,802
289	AR State U. main campus	936	1,026	966	2,249	3,934	2,955	2,069	2,800
290	Wesleyan U.	1,615	1,953	1,880	2,258	2,353	2,856	3,426	2,784
291	U. AR Pine Bluff	1,941 i	2,644	2,960	3,073	2,791	2,752	2,997	2,740
292	Rose-Hulman Institute of Technology	4,574	17,083	7,168	12,309	5,662	4,173	3,011	2,739
293	Bryn Mawr C.	1,813	2,211	2,751	3,825	4,599	3,434	3,256	2,659
294	Milwaukee School of Engineering	1,714	1,697	1,848	1,890	2,484	1,980	2,147	2,607
295	OR Institute of Technology	ne	ne	298	799	1,056	1,501	2,497	2,562
296	Ponce School of Medicine	146	106	645	1,221	961	1,125	2,632	2,509
297	U. Northern IA	1,366	1,581	1,191	923	778	784	705	2,362
298	Williams C.	508 e	1,040 i	1,572	1,841	1,872	1,722	1,933	2,278
299	CUNY C. Staten Island	350	507	629	817	1,106	931	980	2,238
300	Northeastern OH Universities C. of Medicine	2,009	2,460	2,654	2,656	2,637	2,436	2,540	2,207
301	Western KY U.	1,059	871	1,788	1,138	1,329	1,692	1,622	2,177
302	Clark U.	1,256	434	0	1,163	1,163 e	1,869	2,112	2,165
303	U. AK Anchorage all campuses	2,245 e	4,843 i	7,441 e	7,010	6,564	6,124	2,511	2,155
304	U. Denver	944	3,696	2,153	1,681	2,661	2,699	2,038	2,139
305	Claremont Graduate U.	1,618	1,345	1,328	793	1,350	1,573	2,007	2,135
306	West TX A&M U.	1,611	1,834	2,016	2,139	1,674	1,853	2,034	2,080
307	FL A&M U.	5,334	1,388	9,555	5,230	6,414	4,022	9,391	2,039
308	Arcadia U.	ne	ne	ne	ne	ne	0 i	2 i	2,024
309	CA State U. Long Beach	19,587	1,085	3,082	1,606	1,526	1,017	1,954	2,011
310	Fairfield U.	858	1,488	704	778	1,659	1,634	1,644	1,966
311	U. WI Stevens Point	1,034	1,557	1,210	1,255	1,158	1,059	1,390	1,965

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
312	Meharry Medical C.	268 e	162 i	55	1,232	1,348	1,697	1,964	1,955
313	CUNY Graduate Ctr.	207	1,417	1,559	1,344	1,782	2,646	1,369	1,949
314	CUNY Queens C.	1,223	1,111	1,202	1,368	999	1,433	1,010	1,948
315	Murray State U.	1,455	1,553	1,373	1,703	2,874	2,196	2,359	1,913
316	Pomona C.	1,113	619	1,146	743	1,056	1,330	1,531	1,882
317	New School, The	4,336	4,708	4,708 e	2,694	3,312	2,929	2,096	1,873
318	Macalester C.	1,059 i	1,210	1,967	1,336	1,412	1,342	1,368	1,866
319	CA State U. East Bay	406 i	464 i	525	471	521	1,137	796	1,857
320	NY Institute of Technology all campuses	276	405	296	1,331 i	2,366	3,275	3,346	1,843
321	Amherst C.	860	953	1,160	1,160 e	1,478	1,455	1,680	1,826
322	St. Cloud State U.	948 e	1,174 i	1,400 i	1,629	1,033	1,640	1,392	1,771
323	Lamar U.	874	1,224	1,950	2,031	1,871	2,116	1,492	1,770
324	U. TX-Pan American	553	991	949	1,033	1,169	1,039	1,867	1,760
325	IL State U.	2,326	2,264	2,274	2,035	1,848	2,051	1,718	1,757
326	Eastern WA U.	742	952	1,289	791	1,051	1,419	1,588	1,752
327	CA State U. Chico	1,940	2,943	4,869	3,071	3,308 i	1,593	1,684 i	1,731 i
328	U. NC Asheville	634	883	820	837	1,379	1,363	1,447	1,729
329	Rowan U.	ne	ne	ne	2,256	1,822	1,605	1,288	1,670
330	James Madison U.	409	559	1,495	2,877	2,599	1,441	1,223	1,646
331	Midwestern U. (Chicago, IL)	2,003	1,879	1,973	2,196	1,959	1,906	1,618	1,557
332	Embry-Riddle Aeronautical U.	1,149 e	724	928	3,318	3,379	6,683	4,097 i	1,511
333	Harvey Mudd C.	4,667 e	3,841 i	3,015 i	2,189 i	1,360 i	971	1,298	1,508
334	Bradley U.	1,225	911	975	782	967	1,260	1,500	1,503
335	Calvin C.	921	786	1,171	1,192	1,377	1,143	997	1,463
336	Union C. (Schenectady, NY)	449	458	1,099	1,615	3,404	1,914	1,458	1,439
337	CA State U. Dominguez Hills	89	1,733	1,187	1,032	1,141	1,037	660	1,436
338	Sul Ross State U.	568	684	690	742	797	869	1,090	1,424
339	Wellesley C.	2,249 i	2,052	2,052 e	1,737	2,006	1,823	1,213	1,424
340	FL Institute of Technology	3,078	3,581	3,023	2,800	2,226	2,369	1,546	1,415
341	Lincoln U. (Jefferson City, MO)	0	0	778	452	629	563	1,028	1,404
342	Villanova U.	1,245	1,087 i	930 e	1,023 i	1,116 i	1,209 i	1,302 i	1,396
343	U. North FL	ne	491	664	1,506	1,536	1,768	1,990	1,340
344	TX A&M U. Commerce	170	179	226	260	213	537	684	1,311
345	Eastern MI U.	2,905	1,247	2,387	2,202	891	1,754	969	1,308
346	TX Woman's U.	1,565	1,713	1,501	1,438	945	931	1,338	1,292
347	Pittsburg State U.	1,416	1,647	988	1,113	1,357	1,806	1,555	1,275
348	U. WI La Crosse	403	692	743	516	742	1,076	1,220	1,267
349	Morgan State U.	0	0	0	1,261	1,353	1,418	1,324	1,265
350	Kansas City U. of Medicine and Biosciences	677	786	923	591	691	725	1,155	1,251

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
351	CA State U. Bakersfield	3,244	3,244 e	3,490 i	3,736 i	3,982 i	4,228	4,078	1,249
352	C. Charleston	1,440	1,081	931	1,038	1,554	1,411	1,752	1,237
353	Southern U. and A&M C. all campuses	1,884	1,597 i	1,310 i	1,023 i	736	794 i	854	1,215
354	SC State U.	927	927 e	933	1,027	1,130	1,209	1,209	1,209
355	Philadelphia C. of Osteopathic Medicine	538	540	504	478	10	0	353	1,194
356	Alcorn State U.	0	0	0	37	0	860	887	1,182
357	U. New England	ne	ne	ne	ne	ne	ne	350	1,176
358	Hope C.	320	725	661	822	637	879	1,216	1,171
359	Western Carolina U.	226	401	373	359	781	283	543	1,167
360	U. DC	1,108	993	1,260	1,356	1,201	1,468	1,252	1,163
361	Mt. Holyoke C.	700	730	1,195	1,535	1,077	1,310	783	1,138
362	Seton Hall U.	0	0	508	1,144	708	1,562	1,211	1,134
363	Middle TN State U.	255	503	268	706	770	1,082	1,379	1,124
364	U.S. Military Academy	708 i	767 i	826 i	885 i	944 i	1,003 i	1,062 i	1,124
365	FL Gulf Coast U.	ne	ne	ne	ne	523	683	535	1,093
366	MT Tech of the U. MT	1,411	1,999	1,820	1,667	1,893	1,632	1,332	1,092
367	Franklin & Marshall C.	584	99	548	499	485	948	700	1,084
368	Winona State U.	ne	ne	ne	ne	ne	ne	ne	1,058
369	Wheeling Jesuit U.	309 i	412 i	515 i	618 i	721 i	824 i	927 i	1,031
370	Boise State U.	1,329	2,191	2,273	1,262	1,484	715	400	1,023
371	Rider U.	666	695	721	727	848	788	915	1,009
372	Loyola C.	211	279	370	124	543	1,178	1,087 i	996
373	CUNY Baruch C.	288	288 e	415	294	455	712	1,028	990
374	Hamilton C. (Clinton, NY)	558	549	786	610	492	604	344	975
375	U. of the Sciences Philadelphia	310	373	522	334	337	455	761	971
376	WV State U.	55 e	63 e	52 i	41 i	30	409	600	970
377	Naval Postgraduate School	1,231 i	1,675 i	2,119 i	2,562	5,413 i	8,264	2,252	958
378	Colgate U.	747	986	958	779	1,150	612	726	934
379	DE State U.	363	272	343	308	336 i	364	510	931
380	American U.	359	566	953	376	289	178	732	913
381	Occidental C.	281	731	1,200	1,314	1,271 i	1,229	759	907
382	TX Christian U.	609	854	808	977	999	1,148	772	902
383	Dillard U.	82	150	135	227	328	514 i	700 i	887
384	U. Baltimore	ne	ne	ne	ne	ne	5,499	6,099	883
385	U. NC Greensboro	833 e	1,078	1,114	750	495	967	848	874
386	CUNY Herbert H. Lehman C.	188	207	139	256	355	308	743	872
387	Long Island U. all campuses	223	282	315	299	415	457	792	867 i
388	U. Hartford	432	490	593	669	439	593	742	864
389	Appalachian State U.	566	472	238	495	283	573	582	853

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
390	U. TX of the Permian Basin	ne	ne	ne	ne	ne	ne	ne	848
391	Polytechnic U. PR	ne	ne	ne	ne	ne	ne	ne	842
392	Langston U.	0	0	0	0	0	523	755	823
393	U. West FL	1,727	2,610	3,337	6,249	2,473	925	1,029	823
394	Andrews U.	357	567	474	387	335	411	600	787
395	Western IL U.	2,377	2,258	2,060	971	1,035	744	719	787
396	Bucknell U.	1,081	685	660	838	862	1,099	1,039	786
397	Bowdoin C.	348	372	518	603	922	810	797	784
398	Universidad Central del Caribe	330	321	633	1,091	1,299	638	584	774
399	Dickinson C.	349	722	790	926	900	951	646	764
400	MN State U. Mankato	432	586	873	673	857 i	501	787	761
401	Northeastern IL U.	160	227	169	142	189	162	199	760
402	Nicholls State U.	490	687	761	633	977	801	747	755
403	CUNY Brooklyn C.	3,476	3,666	3,679	2,777	1,358	1,037	1,363	753
404	CUNY John Jay C. of Criminal Justice	495	337	643	762	723	416	247	750
405	U. Northern CO	146	271	536	659	638	760	976	743
406	C. Wooster	317	37	78	71	0 e	103	459	725
407	Swarthmore C.	410 e	275	467	802	751	798	703	708
408	A.T. Still U. of Health Sciences	274	176	239	197	506	862	1,166	706
409	IN State U. all campuses	3,945	1,235	936	796	933	929	1,124	706
410	Morehouse C.	1,010 e	881 i	752 i	623 i	494 i	363	630	702
411	U. Houston-Clear Lake	708	890	902	710	516	419	545	692
412	Des Moines U.	283	603	603 e	598	598 e	672 i	746	688
413	Northern KY U.	74	108 i	143	194	402	600	540	676
414	Southern CT State U.	381	381 e	217	1,426	112	1,005	837 i	669
415	Tougaloo C.	422	600	486 i	372 i	258 i	144 i	27	668
416	Pacific U.	244	142	0	0	187 i	374	139	651
417	Lafayette C.	334	655	825	812	619	591	636	646
418	Grinnell C.	726	392	713	652	739	476	519	642
419	Hampshire C.	1,786	2,154	2,129	1,642	1,870	1,613	772	642
420	Smith C.	1,808	1,766	1,312	1,328	1,029	992	1,088	640
421	C. NJ, The	ne	ne	2,230	1,944 i	1,658 i	1,372 i	1,088	639
422	Clark Atlanta U.	721	2,819	1,869	393	501	1,444	1,147	638
423	Angelo State U.	ne	ne	ne	ne	ne	ne	608	633
424	U. Richmond	329	456	439	663	725	482	613	630
425	New England C. of Optometry	278	429	362	266	339	396	586	627
426	Kettering U.	355	891	673	733	363	1,057	591	626
427	Southeastern LA U.	428	303	311	344	424	438	748	595
428	U. San Francisco	300	300 e	264 i	228	457	537	412	583

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
429	Southwest MO State U.	840 e	1,107	1,809	1,052	1,072	1,201	573	580
430	Sam Houston State U.	925	639	590	778 i	966 i	1,152	843	577
431	VA Military Institute	420	589	685	872	543	627	695	570
432	VA State U.	820	820	249	245	298	2,380	2,376	566
433	Reed C.	325	537	562	657	593	463	520	562
434	Haverford C.	191	189	341	497	613	402	453	560
435	DePaul U.	385	486	418	339	209	545	797	555
436	Trinity U.	495	495 e	224	299	623	627	489	529
437	St. Joseph's U.	178	498	634	889	638	599	471	527
438	Black Hills State U.	ne	ne	ne	ne	250	121	703	526
439	U. WI Eau Claire	465	226	259	304	335	355	310	523
440	Central WA U.	580	543	270	452	934	964	689	522
441	CA State U. Fullerton	2,785 i	3,817 i	4,848	2,178	453	597	439	519
442	Loyola Marymount U.	ne	ne	ne	136	228	148	555	515
443	U. Portland	317	428	354	410	451	299	449	514
444	Allegheny C.	230	611	744	606	531	436	431	509
445	Chapman U.	300	383	626	676	526	536	597	508
446	Morehead State U.	359 i	384 i	409 i	441	306	561	335	501
447	U. WI Platteville	162 i	214 i	266 i	318 i	370 i	419	576	494
448	Norfolk State U.	135	32	65	128	146	703	523	493
449	SUNY C. Buffalo	1,106	1,214	1,386	1,557	1,492	642	549	482
450	U. West GA	755	726	629	478	404	414	414	464
451	Lewis and Clark C.	137	214	321	228	270	377	417	462
452	U. TX Tyler	ne	ne	ne	ne	ne	296	359	458
453	Lawrence Technological U.	700	487	348	312	436	563	198	455
454	GA Southern U.	0	0	245	414	296	362	406	441
455	Carleton C.	485	483	729	548	322	469	462	435
456	SUNY C. Geneseo	297	294	201	519	274	109	234	433
457	U. WI Superior	347	325	337	337	393	310	484	433
458	Southern OR U.	48	46	43	197	249	276	207	428
459	Mercyhurst C.	ne	ne	ne	ne	ne	ne	370	420
460	Colby C.	309	822	2,623	1,102	622	380	428	408
461	U.S. Naval Academy	16	0	0	282	644	636	363	398
462	MA C. of Pharmacy and Health Sciences	189 i	288	315	481	187	328 i	469 i	384
463	Spelman C.	104	144	114	112	62	183	183	380
464	Albany State U.	553	1,232	347	122	72	81	336	379
465	Roanoke C.	ne	ne	ne	88	190	326	597	376
466	Trinity C. (Hartford, CT)	684	684 e	283	430	82	604	220	376
467	Northwestern State U.	394 i	405 i	416 i	427 i	438 i	449 i	460	371

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
468	U. San Diego	123	55	1,261	424	496	496	219	370
469	U. WI Oshkosh	337	399	306	419	373	417	423	369
470	Northern MI U.	233 i	252 i	271 i	290 i	309 i	328 i	347 i	357
471	Skidmore C.	247	182	292	248	421	397	342	357
472	Truman State U.	538 i	478 i	419	365	504	337	445	355
473	WV School of Osteopathic Medicine	132	129	182	188	245	174	266	349
474	U. WI Green Bay	276	274	299	298	446	417	378	344
475	St. Mary's C. MD	69	18	12	17	171	153	112	339
476	St. Olaf C.	14	50	164	135	169	253	439	335
477	Seattle U.	426 i	483 i	540 i	597 i	649	343	323 i	332 i
478	Drake U.	270	203	361	361 e	608	503	550	328
479	U. Scranton	261 i	212 i	158	160	154	353	259	328
480	U. IL Springfield	728	1,899	2,124	962	998	358	336	324
481	U. HI Hilo	NA	NA	2,342	235	761	598	165	316
482	Jacksonville U.	ne	ne	ne	ne	ne	ne	337	313
483	Simmons C.	838	680	754	676	684	325	287	311
484	Lake Forest C.	199	155	157	139	333	109	178	310
485	SUNY Fredonia	74	103	131	99	77	142	210	310
486	St. John's U. (Jamaica, NY)	246	246 e	267 i	288 i	309 i	330	420	305
487	NM Highlands U.	2,764	386	753	334	222	272	335	301
488	Eastern IL U.	0 e	42 i	84 i	126 i	168 i	210 i	252 i	296
489	Pacific Lutheran U.	106 i	133 i	160 i	187 i	214 i	241 i	268 i	296
490	U. PR Humacao	ne	ne	ne	ne	181	215	349	290
491	Willamette U.	189	275	167	140	134	103	261	290
492	Saginaw Valley State U.	408 i	412 i	417	423	322	337	386	284
493	Towson U.	1,292	1,588	1,412	361	312	470	144	278
494	Coastal Carolina U.	226	302	313	164	475	203	274	277
495	Sweet Briar C.	ne	ne	ne	ne	ne	ne	ne	277
496	Pace U. all campuses	53	83	63	63 e	455	95	158	275
497	West Liberty State C.	ne	ne	ne	ne	ne	ne	66	269
498	Furman U.	269	232	411	284	359	478	404	267
499	Montclair State U.	250	301	506	543 i	581	493	209	254
500	Barnard C.	149	107	43	147	147 e	726	644	253
501	U. Detroit Mercy	1,453	1,017	377	390	390 e	316 i	241	253 i
502	SUNY C. Cortland	129	102	37	111	147	177	286	243
503	CA State U. Los Angeles	718	192	205	191	634	333	284	234
504	U. of St. Thomas (St. Paul, MN)	89 i	120	83	41	127	142	136	234
505	Middlebury C.	0	0	437	437 e	386 i	335 i	284 i	233
506	Eastern OR U.	ne	ne	155	100	224	240	146	231

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
507	National U. of Health Sciences	ne	ne	175	258	370	117	137	229
508	Western U. of Health Sciences	205 i	369	918	876	1,018	307	670	229
509	Fuller Theological Seminary CA	0 e	37 i	74 i	111 i	148 i	189	229	227
510	Bridgewater State C.	298	307	277	245	222	135	171	224
511	Governors State U.	78 i	84 i	90 i	96 i	102 i	103	197	223
512	CT C.	488 i	516 i	544 i	572 i	600 i	627	342	220
513	Coe C.	0 i	ne	ne	ne	ne	ne	ne	217
514	SUNY C. Plattsburgh	386	406	301	407	328	472	524	217
515	Carlos Albizu U. (San Juan, PR)	ne	ne	ne	ne	ne	ne	263	216
516	Fayetteville State U.	0	291	0	40	5	110	78	216
517	LeTourneau U.	ne	ne	ne	ne	ne	ne	ne	216
518	Manhattan C.	216	216 e	0	0 e	97 i	193	210	216 i
519	AL State U.	175 e	184 e	184	184	5	215	215	215
520	SUNY C. Old Westbury	243	243 e	21	113	68	143	195	214
521	IL Wesleyan U.	ne	ne	ne	ne	ne	172	226	212
522	C. of the Holy Cross	229	218	203	218	145	193	176	208
523	Ithaca C.	434	381	453	395	345	256	299	208
524	Kennesaw State U.	0	0	0	0	63	184	139	207
525	SUNY C. Brockport	378	378 e	261 i	144	181	223	233	206
526	Wabash C.	ne	ne	ne	ne	288	242	118	204
527	U.S. Air Force Academy	46	314	17,426	14,599	14,259	14,273	869	203
528	Loyola U. New Orleans	195 i	197 i	199 i	201 i	203 i	200	214	202
529	Ursinus C.	ne	ne	ne	ne	ne	ne	205	200
530	Davidson C.	123 i	114 i	105 i	96 i	87 i	78 i	66	196
531	U. GU	965	397	388	1,171	253	266 i	280	192
532	Wilkes U.	ne	ne	16	206	195	ne	182	192
533	Evergreen State C.	229	0	0	0	0	0	100	191
534	SUNY C. Oswego	157	205	211	87	713	171	106	190
535	U. WI Stout	356	254	355	281	306	130	148	185
536	Hampton U.	329	781	1,009	256	202	177	121	181
537	Sarah Lawrence C.	ne	ne	ne	ne	ne	ne	134	181
538	Valparaiso U.	450	83	87	89	147	116	212	181
539	Hobart and William Smith Colleges	ne	ne	ne	ne	ne	ne	ne	179
540	U. of the South	ne	ne	ne	ne	ne	281	129	177
541	McNeese State U.	127	181	300	313	383	232	113	176
542	Hofstra U.	138	259	259 e	245 i	231 i	217 i	201	172
543	Cooper Union	190	474	427	502	150	173	ne	171
544	Denison U.	90	263	190	165	191	183 i	175	165
545	Indiana U. PA all campuses	187	303	318	337	922	171	32	164

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
546	La Salle U.	126	58	20	59	203	ne	142	160
547	AR Tech U.	327	396	396 e	549 i	702 i	154 i	142	156 i
548	Jacksonville State U.	ne	ne	ne	ne	ne	216	155	152
549	MT State U. Billings	ne	ne	ne	ne	ne	0 i	159	152
550	Pitzer C.	84	61	60	77	97	84	123	152
551	Juniata C.	63	64 e	182	167	120	184	122	151
552	Edward Waters C.	ne	ne	ne	ne	ne	ne	ne	150 i
553	Fairleigh Dickinson U. all campuses	134	125	92	201	ne	ne	ne	150 i
554	Northeastern State U.	ne	ne	395	245	203 i	161	198	150
555	Youngstown State U.	341	424	459	577	446	244	241	147
556	U. AK Southeast all campuses	160 i	175 i	195 e	369	277	390	311	146
557	Eastern KY U.	448	535	441	209	170	192	447	143
558	Seattle Pacific U.	ne	ne	ne	ne	ne	ne	ne	140 i
559	U. WI River Falls	128	207	243	280	239	156	177	137
560	Oberlin C.	0	40	33	47	90	218	262	134
561	U. WI Parkside	150	223	206	132	60	76	130	134
562	Bates C.	135	121	240	376	327	283	323	133
563	Chicago State U.	15	59	61	48	78 i	108	125	131
564	Sonoma State U.	117	139	180	280	26	205	418	128
565	Muhlenberg C.	ne	ne	ne	ne	ne	28	0	127
566	Xavier U. LA	251	447	394	479	359	279 i	199	126
567	Kalamazoo C.	168 i	192 i	216 i	240 i	265	178	107	125
568	Augustana C. (Rock Island, IL)	50 i	67 i	84 i	104	95	97	115	122 i
569	U. MD Eastern Shore	0	0	187	262	231	136	87	120
570	Augsburg C.	0	0	0	0	0	0	0	113
571	Christopher Newport U.	ne	ne	ne	110	125	268	202	113
572	OH Wesleyan U.	70 e	75 i	81	81 e	107 i	134	125	113
573	Gettysburg C.	ne	ne	ne	ne	ne	152	104	112
574	Cheyney U. PA	0 i	0 i	0 i	0 i	0 i	0 i	0	108
575	Western CT State U.	ne	ne	ne	ne	ne	ne	ne	103
576	Elizabeth City State U.	0	0	0	0	12	41	113	100
577	U. Central OK	500	550	560	122	86	18	0	98
578	KY State U.	175 i	341	152	0	0	0	86	97
579	CO State U. Pueblo	354	46	56	48	72	65	13	96
580	Ft. Lewis C.	52	83	65	40	77	315	154	96
581	Canisius C.	102 i	130 i	158 i	186 i	214 i	242 i	275	87
582	PA C. of Optometry	56	105	64	17	102	89	99	87
583	Millersville U. PA	105 i	101 i	97 i	93 i	89 i	85 i	81 i	85
584	Dowling C.	ne	ne	ne	ne	ne	ne	ne	84

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
585	Sinte Gleska U.	ne	ne	ne	ne	ne	120	0	83
586	Washington and Lee U.	178 i	160 i	142 i	124 i	106 i	97	115	83
587	CUNY York C.	24	194	14	33	41	65	70	82
588	Roger Williams U. Bristol	ne	ne	ne	ne	0	77	90	77
589	Abilene Christian U.	87	157	81	59	94	69	54	75
590	Providence C.	57 e	53 i	50	50 e	72	40	40	75
591	Philadelphia U.	ne	ne	ne	ne	ne	0 i	99	72
592	U. Puget Sound	34 i	31 i	28 i	25 i	28	38	67	72
593	Gustavus Adolphus C.	58	87 i	116 i	145 i	174	119	219	71
594	Oglala Lakota C.	ne	ne	ne	ne	ne	ne	ne	68
595	SUNY C. of Optometry	303	442	718	726	579	502	160	67
596	Berry C.	ne	ne	ne	ne	ne	ne	53	66 i
597	Clafin U.	305 e	116	0	0	0	0	0	65 i
598	Troy U. main campus	ne	ne	ne	ne	ne	ne	29	65
599	West Chester U. PA	97	97 e	197	378	123	120	77	63
600	Gallaudet U.	70	56	70	54	57	64	54	60
601	Central State U.	277 e	221 i	165 i	109 i	53 i	0	57	57
602	Santa Clara U.	1,935 i	2,098 i	2,318 i	2,573 i	ne	0 i	13 i	54 i
603	William Paterson U. NJ	ne	ne	ne	ne	ne	ne	ne	53 i
604	U. Houston-Downtown	177	177 e	458	288	178	12	253	52
605	Daemen C.	ne	ne	ne	ne	ne	ne	ne	48
606	Lawrence U.	212 i	207 i	202 i	197 i	192 i	187 i	178	47
607	Wilberforce U.	26 i	17 i	8 i	0	11 i	22 i	33 i	45
608	Savannah State U.	0	0	0	0 i	0	0	0	44
609	U. WI Whitewater	49	5	26	20	77	28	28	43
610	Central CT State U.	81	121	181	73	149	24	94	38
611	TX Southern U.	338	560	279	163	339	215	74	37
612	Southwestern OK State U.	ne	ne	ne	ne	ne	ne	ne	36
613	U. Redlands	36 i	39 i	54	38	327	176	46	33
614	Siena C.	ne	ne	ne	ne	ne	ne	0 i	32 i
615	Benedict C.	0	30	95	69	15	95	113	31
616	Southeastern OK State U.	ne	ne	ne	109	63	10	11	28
617	Southern Polytechnic State U.	ne	ne	ne	ne	ne	ne	ne	28
618	Whitman C.	200	147	67	51	170	96	119	22
619	U.S. Coast Guard Academy	0	2	0	0	0	0	0	21
620	U. New Haven	179 e	0	0 e	27 i	54 i	79	ne	21
621	CA State U. Sacramento	248 i	217 i	186 i	155 i	124 i	93 i	62 i	20
622	CUNY Medgar Evers C.	33	42	22	18	13	6	6	17
623	Rhodes C.	108 i	92 i	76 i	60 i	44 i	23	4	11

TABLE 31. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
624	Point Loma Nazarene C.	82	91	49	33 i	17 i	0	0	10
625	U. NC Pembroke	ne	ne	ne	ne	ne	ne	98	10
626	Augustana C. (Sioux Falls, SD)	46 i	40 i	39	100	15	53	50	9
627	Hendrix C.	32 i	29 i	26 i	23 i	16	74	127	6
628	Bluefield State C.	0	0	0	18	0	0	0	5
629	John Carroll U.	0 e	283	334	108	281	161	22	5
630	Monmouth U.	179 e	29	12	8 i	4 i	0	3	4
631	Goucher C.	12 i	10 i	8 i	6 i	ne	ne	ne	1
	All other surveyed institutions	44,729	42,765	38,080	24,997	9,337	8,876	8,165	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$36,864 in nonfederally financed R&D expenditures in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
	All institutions	2,156,182	2,218,805	2,191,305	2,161,853	2,129,475	2,293,821	2,403,546	2,672,333
1	Duke U.	109,791	104,063	99,807	122,181	94,359	134,608	132,996	181,072
2	OH State U. all campuses	57,075	54,736	51,135	45,957	56,580	81,423	106,252	142,177
3	PA State U. all campuses	64,393	67,658	67,131	77,660	85,570	87,928	89,170	93,535
4	MA Institute of Technology	83,082	97,256	79,921	80,664	72,227	72,121	75,790	81,570
5	U. WA	57,405	43,312	46,702	48,222	46,531	45,281	56,765	63,560
6	Purdue U. all campuses	29,997	29,765	29,614	34,720	37,908	46,571	45,549	55,979
7	Stanford U.	41,013	35,012	39,110	31,176	34,296	34,072	34,637	54,181
8	U. Southern CA	25,298	22,949	24,321	25,406	19,960	23,177	24,952	48,618
9	U. CA, San Francisco	34,964	35,759	33,577	37,396	31,482	34,175	35,621	45,659
10	GA Institute of Technology all campuses	64,508	59,691	55,802	32,839	29,500	33,117	37,279	45,651
11	U. CA, San Diego	34,541	36,845	32,299	28,868	31,028	34,259	39,825	44,768
12	U. PA	32,632	28,227	26,994	26,623	27,678	34,483	38,347	42,427
13	NC State U.	35,675	37,858	34,656	35,940	40,734	38,710	41,959	41,585
14	U. CA, Los Angeles	33,427	32,539	31,686	30,425	27,656	25,333	24,480	39,731
15	TX A&M U.	31,084	35,110	33,300	27,006	32,094	18,927	33,613	36,465
16	U. MI all campuses	35,515	34,439	33,252	36,087	32,215	34,191	32,275	36,282
17	U. TX Austin	24,740	30,310	26,114	32,174	27,176	35,045	32,637	35,593
18	U. TX M. D. Anderson Cancer Ctr.	20,271	26,717	33,407	31,316	22,338	26,766	28,020	34,308
19	U. FL	34,879	17,183	19,017	23,893	16,666	24,420	32,942	34,124
20	U. MD Baltimore	29,892	41,226	51,562	65,473	59,838	57,806	33,772	31,968
21	U. MN all campuses	26,392	26,454	26,572	24,152	21,923	26,433	26,241	29,432
22	SUNY Albany	622	1,017	1,337	1,554	7,409	10,693	16,093	27,704
23	U. AZ	22,412	22,934	23,104	31,079	29,571	32,914	32,576	27,566
24	Johns Hopkins U., The ^a	15,751	18,737	20,282	19,477	19,838	23,446	25,162	27,453
25	U. CA, Davis	17,891	16,989	20,754	22,688	24,248	25,046	26,221	26,159
26	U. Rochester	17,595	23,782	24,645	25,298	27,926	31,094	29,433	25,408
27	U. CA, Berkeley	27,851	26,791	24,999	22,460	22,833	24,095	24,744	25,361
28	U. WI Madison	16,127	17,237	16,746	15,918	17,911	17,912	20,310	25,090
29	Cornell U. all campuses	12,697	22,261	27,341	25,569	23,023	22,894	20,369	23,398
30	U. HI Manoa	11,158	7,232	9,957	6,829	21,234	12,155	12,540	21,937
31	SUNY Buffalo all campuses	5,590	11,598	12,171	10,575	10,363	11,045	18,408	21,281
32	U. Miami	17,028	17,554	17,262	17,117	18,924	19,402	20,400	20,231
33	U. TX Southwestern Medical Ctr. Dallas	14,861	13,320	12,836	12,087	12,493	14,293	15,073	19,036
34	Baylor C. of Medicine	17,578	18,389	18,729	17,526	18,642	17,567	16,465	18,383
35	U. Central FL	5,833	5,288	5,499	6,128	14,652	18,746	17,699	17,619
36	U. of Medicine and Dentistry NJ	10,001	13,496	12,125	11,364	14,533	19,472	17,085	17,395
37	VA Polytechnic Institute and State U.	14,869	18,355	20,866	24,760	22,857	14,439	15,911	17,110
38	U. TN all campuses	12,740	15,391	14,520	13,994	13,860	15,603	15,928	16,839

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
39	U. CA, Irvine	18,615	15,803	14,261	11,101	13,391	14,944	16,224	16,564
40	U. IA	17,262	21,394	19,169	20,954	14,075	16,957	18,893	16,382
41	U. MA Worcester	3,467	3,317	3,275	4,397	5,904	8,018	9,465	16,266
42	AZ State U.	4,700	5,641	7,095	8,103	8,062	8,473	11,843	16,205
43	U. South FL	10,873	11,152	8,215	2,115	6,533	28,863	35,425	15,680
44	LA State U. all campuses	15,108	16,648	16,394	16,212	15,506	14,596	15,708	14,861
45	Northwestern U.	12,860	14,294	12,214	8,927	9,221	8,649	12,199	14,714
46	CO State U.	6,519	8,850	10,034	14,736	15,622	10,228	13,852	14,681
47	Wake Forest U.	15,125	13,330	12,510	12,962	5,787	14,940	14,659	14,656
48	Yale U.	14,355	14,119	13,025	15,417	14,394	17,100	16,664	14,616
49	Scripps Research Institute, The	NA	NA	NA	NA	17,798 i	16,479	16,277	14,578
50	U. CO all campuses	9,356 i	9,002	11,822	10,239	10,018	11,966	11,491	14,498
51	OR Health & Science U.	12,430	11,538	10,626	8,673	9,233	11,108	12,206	14,267
52	U. NE all campuses	11,552	11,840	13,982	14,314	13,471	12,636	14,161	14,093
53	Washington U. St. Louis	22,691	24,865	16,100	13,054	13,114	14,068	14,081	13,725
54	Carnegie Mellon U.	21,136	23,491	25,261	13,132	14,728	12,819	12,025	12,980
55	U. CA, Santa Barbara	5,499	6,001	10,482	13,550	12,286	12,483	13,918	12,941
56	Columbia U. in the City of NY	3,362	2,885	3,110	5,350	7,420	8,446	5,708	12,845
57	Clemson U.	9,768	11,582	12,035	12,329	12,687	11,731	12,185	12,424
58	U. IL Urbana-Champaign	12,693	10,992	11,796	13,253	13,128	11,348	11,516	12,333
59	Mt. Sinai School of Medicine	12,141	18,133	12,203	12,686	10,780	9,195	10,768	12,331
60	MI State U.	11,230	10,953	11,458	11,307	8,628	9,393	11,699	12,255
61	Medical U. SC	2,880	7,168	9,939	7,288	7,472	8,547	12,093	11,935
62	Harvard U.	12,189	14,056	10,215	5,929	5,877	9,132	6,155	11,358
63	IA State U.	15,075	13,177	16,047	14,384	15,056	11,196	10,845	11,338
64	Rush U.	8,762	9,128	10,108	9,321	9,387	11,814	11,588	11,295
65	Wayne State U.	10,932	10,860	11,163	13,566	12,473	12,979	9,429	10,992
66	U. MD College Park	1,028	7,315	5,078	8,060	9,188	9,841	10,613	10,869
67	Northeastern U.	3,567	5,530	7,487	8,179	8,316	8,424	9,595	10,828
68	U. UT	7,940	6,023	5,819	4,964	5,032	7,799	8,132	10,802
69	U. Pittsburgh all campuses	14,676	14,817	13,023	4,427	6,639	7,378	8,670	10,153
70	U. of Notre Dame	2,279	3,631	7,076	6,971	7,312	7,196	9,280	10,046
71	Tufts U.	8,118	7,726	8,888	8,756	7,392	8,149	8,161	10,027
72	CO School of Mines	7,870	9,466	11,001	11,327	9,510	10,049	7,702	10,004
73	U. OK all campuses	9,499	10,396	12,660	10,645	8,085	7,921	9,490	9,964
74	Creighton U.	6,084	5,942	7,122	7,710	7,450	8,788	8,653	9,872
75	VA Commonwealth U.	7,495	8,522	9,053	10,780	9,489	9,085	10,282	9,782
76	Rutgers, The State U. NJ all campuses	8,843	10,965	11,772	10,821	9,665	8,034	9,542	9,599
77	U. KY all campuses	11,213	12,933	7,810	6,693	7,299	8,194	9,464	9,562

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
78	U. AK Fairbanks all campuses	19,686	28,352	22,907	23,093	16,934	11,356	10,019	9,484 i
79	NY U.	7,767	6,535	5,902	8,043	9,032	2,692	7,637	9,340
80	U. IL Chicago	11,010	10,989	9,325	7,014	6,369	7,033	8,604	9,187
81	Thomas Jefferson U.	12,324	12,326	13,209	8,781	8,035	9,018	9,585	9,153
82	IN U. all campuses	5,384	6,375	5,312	8,079	7,939	7,804	6,219	8,791
83	U. AL Birmingham, The	7,752	8,443	8,368	6,255	9,391	8,779	7,868	8,676
84	U. NC Chapel Hill	6,835	6,971	6,601	6,551	6,543	6,678	7,391	8,670
85	U. TX Health Science Ctr. San Antonio	10,707	9,677	8,847	7,514	6,268	4,391	7,552	8,622
86	U. CT all campuses	13,540	9,819	9,889	12,143	10,738	11,066	7,096	8,233
87	U. TX Health Science Ctr. Houston	13,029	10,945	11,241	12,414	7,373	8,214	8,622	7,861
88	WA State U.	4,579	4,438	3,874	3,666	3,031	3,325	2,865	7,768
89	U. AL Huntsville, The	4,532	4,956	2,179	1,186	756	2,240	4,029	7,583
90	Southern IL U. Carbondale	2,355	5,484	4,108	3,281	7,519	5,657	10,801	7,499
91	MS State U.	7,955	6,744	6,366	6,246	6,788	7,595	7,445	7,496
92	U. ND all campuses	2,356	2,458	4,704	5,657	4,918	5,665	8,446	7,480
93	U. AR main campus	4,746	4,224	6,370	5,470	5,958	7,071	7,299	7,270
94	U. TX Medical Branch	6,146	6,020	5,737	7,979	5,842	8,065	5,870	6,659
95	U. NC Charlotte	701	773	1,159	1,705	1,605	2,960	3,857	6,657
96	NY Medical C.	3,294	3,626	3,802	5,266	6,253	6,626	6,768	6,642
97	Vanderbilt U.	4,063	3,036	3,302	5,042	5,052	6,027	6,517	6,535
98	CA Institute of Technology	8,919	10,225	9,989	4,825	3,918	5,982	7,981	6,315
99	Emory U.	7,513	7,950	9,282	6,416	5,524	5,831	6,278	6,268
100	U. NH	4,923	7,751	5,964	6,195	6,032	5,603	5,818	6,105
101	U. Chicago	1,462	1,746	2,285	3,189	3,098	3,819	4,734	6,040
102	Dartmouth C.	4,274	4,389	4,425	5,062	4,780	3,950	4,543	6,033
103	U. VT	5,713	6,434	7,157	7,477	6,856	7,259	7,874	6,000
104	Boston U.	8,574	8,450	8,935	8,084	8,575	8,592	7,344	5,850
105	Temple U.	188	5,400	5,030	4,245	6,202	5,331	5,210	5,806
106	Case Western Reserve U.	5,890	6,190	5,555	5,339	5,340	18,646	6,277	5,772
107	Rensselaer Polytechnic Institute	6,581	5,928	5,142	6,486	6,429	4,253	6,560	5,740
108	U. CA, Riverside	3,345	4,227	3,358	5,004	4,807	4,156	4,947	5,692
109	U. Cincinnati all campuses	5,166	6,028	4,549	5,254	6,958	8,220	4,859	5,554
110	U. Tulsa	3,179	3,258	3,061	1,655	2,538	2,275	3,240	5,472
111	U. NM main campus	1,853	1,821	1,427	2,286	2,413	4,825	5,118	5,375
112	WV U.	7,185	6,328	6,795	2,274	3,757	3,341	4,055	5,331
113	FL International U.	1,843	8,397	3,131	4,697	5,101	2,060	1,281	5,238
114	U. MA Lowell	7,204	6,911	5,294	4,920	3,904	4,755	4,423	5,222
115	U. MA Amherst	5,535	6,181	5,417	3,838	4,914	4,724	5,934	5,195
116	NM Institute of Mining and Technology	6,373	6,204	6,378	8,145	10,755	11,033 i	9,991	5,066

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
117	MT State U. Bozeman	8,523	7,041	6,161	5,601	4,446	3,016	3,105	4,989
118	Mercer U. all campuses	1,405	1,115	1,986	5,099	6,899	6,916	6,091	4,888
119	SUNY Stony Brook all campuses	7,567	7,026	5,947	4,950	4,802	4,640	5,151	4,845
120	Princeton U.	6,881	8,246	8,292	8,487	7,975	6,539	6,200	4,822
121	U. AR for Medical Sciences	3,321	2,900	2,676	3,519	3,270	3,072	3,571	4,682
122	U. TX Arlington	700	787	2,288	967	1,984	2,179	2,740	4,625
123	TX A&M U. System Health Science Ctr.	2,704	1,050	2,005	1,631	2,876	3,938	5,467	4,551
124	Auburn U. all campuses	3,917	4,683	4,178	3,849	3,833	4,969	4,697	4,536
125	MI Technological U.	3,834	4,176	2,899	3,369	3,761	4,248	4,194	4,507
126	Brigham Young U. all campuses	2,028	2,384	2,129	1,494	2,013	2,312	2,840	4,298
127	OK State U. all campuses	4,076	3,688	3,752	4,877	4,326	5,300	4,113	4,227
128	U. Dayton	5,598	5,138	3,357	3,143	3,781	4,431	4,266	4,170
129	U. TX Dallas	4,715	4,715 e	3,367	2,843	1,016	1,676	2,232	4,140
130	U. GA	12,276	13,791	15,387	15,777	12,794	14,279	5,865	4,064
131	U. TX El Paso	941	1,321	2,040	1,729	1,792	1,741	1,795	4,061
132	TX Tech U.	5,946	6,236	6,774	7,166	6,224	4,979	4,764	4,034
133	Wright State U. all campuses	2,968	3,269	3,812	3,570	2,900	3,871	3,660	3,990
134	U. DE	3,757	5,041	5,661	2,982	2,984	3,932	4,326	3,950
135	U. VA all campuses	6,954	7,733	9,026	9,053	7,456	7,174	4,758	3,891
136	U. CA, Santa Cruz	1,531	1,004	1,084	1,683	2,098	2,716	2,531	3,870
137	SUNY Binghamton	3,327	2,493	2,654	2,281	2,418	2,658	2,788	3,602
138	Georgetown U.	9,795	4,996	9,421	8,972	4,415	7,734	3,388	3,441
139	U. RI	1,194	441	353	619	2,474	3,526	3,865	3,383
140	UT State U.	7,885	6,595	3,298	3,340	3,338	2,244	2,596	3,319
141	U. KS all campuses	15,712	4,155	5,098	2,821	2,295	3,027	3,365	3,318
142	OR State U.	141	298	467	353	2,713	2,175	3,378	3,274
143	U. Akron all campuses	3,090	2,557	2,568	3,044	3,475	3,408	3,316	3,239
144	U. SC all campuses	2,822	4,239	5,050	3,368	2,889	1,854	3,166	3,166
145	U. Houston	1,689	1,992	3,784	4,980	5,297	3,290	4,425	3,125
146	Brown U.	1,530	1,777	2,172	2,363	1,785	2,717	11,766	3,108
147	Eastern VA Medical School	6,044	6,264	3,926	4,150	4,709	4,757	4,664	3,107
148	George Washington U.	4,220	5,081	6,456	1,863	2,058	4,794	4,973	3,098
149	ID State U.	2,256	2,060	2,554	2,544	2,758	2,115	1,560	3,085
150	Polytechnic U.	2,100	2,510	2,825	3,054 i	2,497	2,680	2,420	3,066
151	U. South AL	1,298	1,298 e	1,185	1,439	423	819	3,740	3,039
152	SUNY Upstate Medical U.	263	807	910	1,377	1,468	1,615	2,459	2,873
153	Clarkson U.	1,447	1,566	1,566 e	1,219 i	1,992	2,251	2,724	2,853
154	OH U. all campuses	1,591	2,022	2,729	2,831	2,959	4,345	3,491	2,853
155	U. Central AR	21	327	27	250	257	188	2,569	2,714

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
156	Old Dominion U.	3,533	2,885	3,318	2,919	3,772	3,564	2,206	2,651
157	U. of the VI	96 e	167 i	1,070	1,769	1,639	2,364	1,853	2,623
158	U. ME	2,899	3,562	4,030	3,323	3,737	3,843	3,469	2,609
159	Rockefeller U.	2,775	2,844	2,916	2,988	3,063	3,140	3,218	2,574
160	OR Institute of Technology	ne	ne	0	660	1,001	1,441	2,447	2,560
161	Northern AZ U.	1,407	1,349	1,256	1,098	1,271	973	1,629	2,529
162	CUNY The City C.	1,659	1,602	1,967	1,829	3,183	2,852	3,824	2,454
163	Rochester Institute of Technology	917	2,705	2,633	2,875	4,293	1,874	2,042	2,437
164	U. AL, The	1,941	1,989	2,224	1,150	1,428	1,870	1,927	2,404
165	Drexel U.	3,137	251	795	2,407	2,344	2,058	2,251	2,403
166	U. WY	2,941	2,581	2,581 e	2,494	2,494 e	1,560	1,937	2,326
167	U. Louisville	6,532	911	739	1,442	2,862	2,449	3,754	2,297
168	Western MI U.	1,650	858	1,530	1,764	2,353	2,216	2,482	2,265
169	Rice U.	2,858	1,720	1,600	1,426	2,265	1,581	1,468	2,260
170	Milwaukee School of Engineering	1,472	1,444	1,242	1,254	1,341	1,185	1,445	2,222
171	KS State U.	4,057	4,943	5,659	2,751	3,407	2,851	1,757	2,208
172	U. Toledo	2,013	2,025	1,988	1,774	1,238	1,050	872	2,157
173	Lehigh U.	5,636	5,532	1,680	1,373	1,259	1,764	1,961	2,154
174	Howard U.	1,874	2,108	1,399	1,227	933	320	1,162	2,033
175	CA State U. San Bernardino	288	261	165	101	537	1,232	4,134	1,960
176	U. MO-Columbia	4,007	4,654	5,042	4,802	4,177	3,918	2,848	1,937
177	Medical C. WI	1,931	2,126	1,642	1,188	716	1,408	1,754	1,932
178	East Carolina U.	3,158	3,853	3,055	2,870	2,029	832	1,163	1,929
179	U. Southern MS	984	807	1,905	2,067	1,648	1,645	2,469	1,926
180	U. MS all campuses	2,034	2,292 i	2,551 i	964	987	1,053	1,385	1,882
181	Baylor U.	475	741	1,051	1,325	1,033	2,575	2,190	1,873
182	U. PR Medical Sciences Campus	954	1,121	1,495	1,848	1,437	1,194	1,249	1,872
183	Woods Hole Oceanographic Institution	142	97	32	167	72	146	881	1,786
184	SD State U.	257	368	225	532	674	652	560	1,779
185	U. of the Pacific	218	348	857	660	1,194	1,703	1,744	1,777
186	Wichita State U.	3,500	3,220	2,830	2,322	2,937	3,106	2,787	1,775
187	Albany C. of Pharmacy	365	370	301	478	541	949	1,092	1,726
188	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	950	1,065	1,116	1,710
189	Arcadia U.	ne	ne	ne	ne	ne	0 i	0 i	1,697
190	U. AR Little Rock	0 i	0	0 e	244	809	477	1,632 i	1,697 i
191	Stevens Institute of Technology	2,555	0	0 e	0 i	1,313	2,563	1,603	1,668
192	George Mason U.	630	874	625	472	1,239	1,134	761	1,610
193	Yeshiva U.	0	0	0	0	1,818	2,190	1,874	1,593
194	Tulane U.	10,340	8,654	13,555	14,454	6,660	7,019	3,591	1,587

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
195	U. NV, Reno	2,557	2,338	1,204	1,570	1,463	1,367	1,866	1,487
196	IL Institute of Technology	1,549	1,295	0	0	0	0	1,319	1,426
197	Syracuse U. all campuses	6,329	1,420	1,280	1,730	1,611	1,399	2,220	1,406
198	Morehouse School of Medicine	677	1,047	1,350	150	8,096	4,247	967	1,378
199	U. MO-Rolla	2,543	3,088	4,283	3,540	6,505	3,704	3,148	1,349
200	Kent State U. all campuses	708	893	1,113	907	818	879	700	1,332
201	Ball State U.	421	603	489	341	1,126	429	1,072	1,314
202	Ponce School of Medicine	0	0 i	645	1,221	961	1,125	1,259	1,279
203	CUNY Queens C.	968	764	848	772	612	768	554	1,237
204	Alfred U. all campuses	3,066	3,244	3,249	2,537	1,736	2,070	1,675	1,222
205	SUNY Health Science Ctr. Brooklyn	1,787	1,787 e	1,659 i	1,532 i	1,405 i	1,432	1,099	1,222
206	Boston C.	1,487	2,050	2,479	1,251	1,251 e	1,713	861	1,195
207	CA State Polytechnic U. San Luis Obispo	894	1,255	919	1,929	1,625	926	807	1,192
208	SUNY C. of Environmental Science and Forestry	1,914	2,149	1,156	1,088	650 i	1,066	925 i	1,147
209	FL Atlantic U.	6,387	9,580	6,406	6,386	648	1,669	1,590	1,123
210	FL State U.	693	892	1,176	1,329	1,658	1,571	989	1,123
211	U. MT-Missoula, The	1,474	1,491	1,252	875	713	771	753	1,110
212	C. of William and Mary all campuses	638	1,165	1,043	575	468	481	723	1,097
213	FL A&M U.	0	0	3,220	2,446	3,047	744	5,320	1,077
214	U. WI Milwaukee	568	529	297	463	515	516	785	1,076
215	Bradley U.	951	651	495	360	450	833	1,057	1,071
216	Worcester Polytechnic Institute	1,380	1,059	2,166	2,068	2,041	1,782	975	1,054
217	U. Denver	67	1,508	348	428	584	1,089	747	982
218	FL Institute of Technology	920	1,420	1,495	980	775	986	847	980
219	Western KY U.	115	50	418	308	110	455	227	977
220	NJ Institute of Technology	1,344	6,779	6,035	5,681	675	786	6,420	965
221	GA State U.	784	480	988	2,392	1,196	666	317	957
222	American U.	34	19	56	72	8	26	732	913
223	NM State U. main campus	3,466	4,272	3,131	4,895	651	1,253	2,116	887
224	U. ID	2,764	3,634	3,809	3,111	1,415	1,731	914	867
225	ND State U. all campuses	2,044	3,784	1,801	979	704	1,236	719	862
226	Pittsburg State U.	141	166	154	306	524	927	853	843
227	Portland State U.	494	574	551	668	668 e	756	987	833
228	San Diego State U.	1,811	1,162	1,059	1,249	730	655	508	830
229	Occidental C.	225	650	930	1,063	1,028 i	944	630	826
230	St. Cloud State U.	225 e	279 i	332 i	336 i	213 i	856	665	822
231	Loma Linda U.	4,181	3,551 i	746	140	256	546	814	821
232	U. MD Baltimore County	2,159	2,131	1,970	1,953	546	1,220	1,342	815
233	U. North TX Health Science Ctr. Ft. Worth	2,105	1,092	1,016	585	1,954	1,223	1,401	807

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
234	U. of the Sciences Philadelphia	307	361	522	322	337	444	645	800
235	Union C. (Schenectady, NY)	228	214	206	146	2,387	932	685	790
236	Catholic U. America, The	363	585	182	138	186	513	848	768
237	U. OR	237	155	68	247	549	572	734	765
238	U. MA Dartmouth	652	517	2,120	0	753	1,252	1,680	762
239	Albany Medical C.	33	69	188	191	176	178	577	755
240	Villanova U.	865	755 i	690	759 i	828 i	897 i	966 i	735
241	TX A&M U. Commerce	0	0	0	0	0	144	128	723
242	Medical C. GA	3,609	3,478	2,793	2,687	3,055	3,611	988	717
243	Boise State U.	318	989	1,106	497	679	0	179	689
244	Embry-Riddle Aeronautical U.	62 i	522	745	1,898	2,516	5,382	3,299 i	680
245	Oakland U.	1,002 e	1,370	1,731	1,334	619	533	653	669
246	CA State U. Long Beach	673	190	140	268	420	254	397	656
247	U. North TX	1,257	895	738	609	618	614	642	655
248	TX Christian U.	391	578	607	716	830	764	600	647
249	U. TX San Antonio	0	27	54	111	116	181	226	636
250	San Jose State U.	4,324 e	3,126	2,432	590	786	848	308	621
251	U. CA Office of the President	NA	NA	NA	NA	7	102	661	596
252	U. Memphis, The	490	817	268	430	284	2,959	445	582
253	DE State U.	121	0	6	69	75 i	116	258	577
254	U. PR Mayaguez Campus	3,971	1,059	629	668	562	947	823	554
255	Desert Research Institute	844	802	1,331	1,938	2,127	1,169	750	544
256	U. Richmond	80	113	148	280	342	318	340	538
257	Trinity U.	1	1 e	186	257	560	597	452	516
258	Pacific U.	48	20	0	0	160 i	319	0	514
259	Kettering U.	318	665	501	519	115	267	208	509
260	CUNY Brooklyn C.	225	319	310	256	241	223	750	493
261	IN State U. all campuses	3,928	1,180	787	769	819	707	505	487
262	Humboldt State U.	869 e	919 i	970 i	1,020 i	1,071 i	1,121 i	190	485
263	CUNY C. Staten Island	102	245	141	170	76	454	440	471
264	U. NV, Las Vegas	2,131	1,938	1,585	2,085	3,446	1,555	1,287	461
265	Dickinson C.	125	316	318	506	419	72	365	445
266	VA Military Institute	334	494	580	787	461	449	448	444
267	Bowdoin C.	59	199	41	59	86	23	411	442
268	Eastern MI U.	604	397	441	688	266	152	270	434
269	IL State U.	553 i	854	564	482	592	657	409	433
270	LA Tech U.	158	190	196	111	169	418	424	433
271	Bucknell U.	525	345	329	386	323	518	395	431
272	U. MD Biotechnology Institute	915	882	2,354	882	863	660	949	431

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
273	Northern IL U.	1,050	1,356	1,550	1,483	1,512	1,513	1,017	427
274	CUNY Herbert H. Lehman C.	0	0	0	125	191	152	189	420
275	Rosalind Franklin U. of Medicine and Science	90	6	25	44	255	258	912	420
276	St. Louis U. all campuses	3,018	3,196	3,161	3,605	3,605 e	482	429	412
277	U.S. Naval Academy	0	0	0	282	602	590	363	398
278	Cleveland State U.	969	1,447	1,747	593	384	318	231	392
279	Miami U. all campuses	1,663	1,021	807	659	905	632	586	390
280	MA C. of Pharmacy and Health Sciences	84 i	78 i	0	88	46	158 i	270 i	382
281	Spelman C.	56	21	39	43	62	183	183	380
282	Naval Postgraduate School	278 i	379 i	480 i	119	251 i	588	999	377
283	U. MO-Kansas City	660	1,665	1,371	1,214	1,044	528	110	365
284	Jackson State U.	0	0	0	318	62	264	918	358
285	U. WI La Crosse	0	103	145	167	168	226	363	346
286	Long Island U. all campuses	15	66	100	116	149	185	325	343 i
287	CA State U. Bakersfield	399 i	399 i	484 i	518 i	553 i	1,003	215	341
288	Loyola U. Chicago	1,484	1,202	1,075	1,017	527	1,096	873	340
289	Marquette U.	1,331	1,010	860	1,064	1,001	843	317	332
290	NY Institute of Technology all campuses	18	36	4	17 i	110	66	366	330
291	Harvey Mudd C.	406 i	336 i	265 i	195 i	124 i	54	623	325
292	Southern OR U.	0	0	0	49	36	64	55	325
293	Morgan State U.	0	0	0	233	367	267	110	313
294	Southern Methodist U.	557	946	1,060	511	367	272	361	300
295	C. NJ, The	ne	ne	0	0 i	0 i	0 i	0	298
296	MT Tech of the U. MT	301	552	299	433	438	108	92	292
297	West TX A&M U.	5	37	279	271	242	498	760	282
298	CA State U. East Bay	39 i	44 i	53	8	0	555	80	278
299	Southern IL U. Edwardsville	531	416	472	314	211	327	288	278
300	U. MA Boston	0	0	0	0	0	0	0	275
301	Central MI U.	153 e	353	105	75	435	450	503	254
302	Seton Hall U.	0	0	33	160	423	589	745	254
303	U. NC Wilmington	781	102	102	201	19	38	19	252
304	TN Technological U.	690	1,957	2,205	1,877	494	362	493	249
305	Midwestern U. (Chicago, IL)	182	169	276	422	254	212	166	244
306	U. NC Greensboro	430 e	513	368	208	203	324	148	243
307	TX State U. San Marcos	0	33	78	202	59	1,086	1,266	241
308	Bowling Green State U. all campuses	273 e	126	59	39	104	102	489	239
309	Skidmore C.	163	130	224	230	375	322	272	233
310	SD School of Mines and Technology	104	35	55	157	51	119	72	233
311	U. NC Asheville	4	54	28	82	126	174	206	222

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
312	CUNY Baruch C.	133	133 e	52	6	1	34	273	210
313	Charles R. Drew U. of Medicine and Science	1,103	1,055	2,941	3,201	5,135	181	199	206
314	GA Southern U.	0	0	245	362	15	70	202	203
315	U.S. Air Force Academy	0	74	86	160	625	230	118	203
316	TX A&M U. Kingsville	496	360	174	279	271	434	131	199
317	Lawrence Technological U.	210	229	113	73	196	187	167	198
318	U. WI Green Bay	1	50	29	10	188	188	195	190
319	CA State U. Fullerton	448 i	614 i	689 i	259 i	169	306	238	188
320	Southwest MO State U.	58 e	10	260	32	213	261	66	184
321	Marshall U.	325	198	16	32	278	464	52	179
322	Pacific Lutheran U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	178
323	Tarleton State U.	0	0	0	0	211	152	25	172
324	U. CA, Merced	na	na	na	na	na	130	175	165
325	Manhattan C.	116	116 e	0	0 e	25 i	50 e	156	160 i
326	U. West GA	600	164	164	75	99	109	109	159
327	AR State U. main campus	0	0	0	0	0	67	41	157
328	U. MO-St. Louis	461	395	205	304	231	220	85	151
329	Stephen F. Austin State U.	295	0	0	0	532	582	249	150
330	U. PR Humacao	ne	ne	ne	ne	0	0	0	150
331	Kansas City U. of Medicine and Biosciences	59	0	2	0	0	4	51	149
332	Murray State U.	55	62	34	14	115	75	133	149
333	Appalachian State U.	0	0	0	163	99	135	87	144
334	Juniata C.	0	0 e	0	0	32	104	102	143
335	U. HI Hilo	NA	NA	14	102	0	0	11	143
336	U. GU	0	0	0	0	0	0 i	276	138
337	CA State U. Dominguez Hills	22	0	4	0	0	0	0	137
338	Davidson C.	0 i	0 i	0 i	0 i	0 i	0 i	40	137
339	Fairfield U.	76	103	20	62	5	234	110	136
340	NC Agricultural and Technical State U.	235	260	302	607	336	329	244	131
341	Calvin C.	230	319	320	85	73	142	145	129
342	Kennesaw State U.	0	0	0	0	19	18	60	127
343	Northeastern IL U.	11	6	55	65	101	67	42	125
344	U. Hartford	192	107	280	92	19	14	68	125
345	Jacksonville U.	ne	ne	ne	ne	ne	ne	0	122
346	New England C. of Optometry	245	103	20	0	109	121	176	118
347	U. Baltimore	ne	ne	ne	ne	ne	326	319	118
348	U. Detroit Mercy	1,277	816	195	165	165 e	134 i	113	117 i
349	CA State U. Chico	630	943	1,747	1,073	756 i	107	113 i	115 i
350	Rowan U.	ne	ne	ne	668	605	232	488	113

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
351	Oberlin C.	0	40	33	32	36	154	128	112
352	U. LA Monroe	0 e	0 i	0 i	0 i	149	37	186	112
353	Prairie View A&M U.	83	127	108	0	72	344	129	108
354	U. North FL	ne	194	400	799	906	624	395	108
355	Winona State U.	ne	ne	ne	ne	ne	ne	ne	108
356	LeTourneau U.	ne	ne	ne	ne	ne	ne	ne	96
357	CUNY Hunter C.	281	17	19	103	32	92	76	95
358	Towson U.	170	276	28	95	59	65	75	93
359	CA State U. Northridge	66 i	66 e	24	282	55	70	96	90
360	Middle TN State U.	10	180	24	37	92	42	111	86
361	TX A&M U. Corpus Christi	51	210	72	45	34	110	44	86
362	Denison U.	0	0	0	7	0	0 i	99	85
363	TN State U.	90	122	203	280	100	84	37	85
364	Washington and Lee U.	0 i	0 i	0 i	0 i	0 i	97	115	83
365	U. MD Ctr. for Environmental Science	58	86	100	79	78	232	143	79
366	Cooper Union	114	355	306	401	56	89	ne	78
367	Central WA U.	0	53	0	28	181	443	59	77
368	Roger Williams U. Bristol	ne	ne	ne	ne	0	77	90	77
369	Rose-Hulman Institute of Technology	334	71	56	302	56	98	39	77
370	CA State U. Fresno	3,000	534	294	296	76	273	416	76
371	Southeastern LA U.	14	43	46	9	59	92	151	69
372	St. John's U. (Jamaica, NY)	0	0 e	201 i	216 i	232 i	71	97	68
373	SUNY C. Cortland	0	0	0	0	0	0	44	65
374	Augsburg C.	0	0	0	0	0	0	0	58
375	Chapman U.	0	0	0	0	0	0	114	57
376	Western WA U.	103	114	52	60	114	118	128	56
377	Youngstown State U.	64	113	97	116	66	94	67	56
378	U. TX Tyler	ne	ne	ne	ne	ne	0	61	54
379	U. TX-Pan American	6	32	9	17	16	92	3	53
380	Christopher Newport U.	ne	ne	ne	0	0	52	113	52
381	Fayetteville State U.	0	0	0	0	0	0	52	51
382	Middlebury C.	0	0	12	12 e	10 i	9 i	7 i	51
383	Duquesne U.	407	162	203	96	336	38	163	50
384	Northeastern OH Universities C. of Medicine	22	156	116	120	100	84	114	49
385	Wellesley C.	23 i	188	188 e	14	56	34	48	49
386	CT C.	11 i	11 i	12 i	13 i	13 i	1	40	48
387	Daemen C.	ne	ne	ne	ne	ne	ne	ne	48
388	U. San Diego	31	7	88	239	113	115	38	48
389	DePaul U.	290	379	388	237	123	172	187	46

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
390	Gustavus Adolphus C.	0	0 i	0 i	0 i	80	69	154	45
391	Wilberforce U.	0 i	0 i	0 i	0	11 i	22 i	33 i	45
392	Hofstra U.	125	106	106 e	100 i	94 i	88 i	49	44
393	Morehead State U.	5 i	6 i	6 i	12	49	58	29	44
394	Amherst C.	133	422	147	147 e	149	91	35	43
395	U. WI Superior	68	68	45	51	18	1	134	43
396	U.S. Military Academy	24 i	26 i	28 i	30 i	32 i	34 i	36 i	42
397	SUNY C. Oswego	46	26	7	14	17	3	1	41
398	U. of St. Thomas (St. Paul, MN)	30 i	4	5	10	4	15	9	40
399	Gettysburg C.	ne	ne	ne	ne	ne	56	28	39
400	U. WI Stevens Point	7	8	1	3	4	3	8	39
401	AL A&M U.	141	369 i	722	1,140	15	135	85	38
402	Drake U.	0	21	133	133 e	299	353	211	38
403	Wilkes U.	ne	ne	0	0	173	ne	11	38
404	Ft. Lewis C.	26	55	52	35	31	39	138	37
405	Philadelphia C. of Osteopathic Medicine	35	35	25	21	0	0	49	37
406	Carleton C.	47	19	44	0	7	38	45	35
407	Eastern IL U.	0 e	5 i	10 i	15 i	20 i	25 i	30 i	34
408	Mercyhurst C.	ne	ne	ne	ne	ne	ne	39	34
409	Northern MI U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	34
410	Wesleyan U.	15	11	11	5	35	20	31	34
411	Eastern KY U.	17	13	60	15	11	31	13	31
412	Fairleigh Dickinson U. all campuses	9	8	5	16	ne	ne	ne	31 i
413	Lake Forest C.	0	0	0	0	35	11	41	30
414	U. Scranton	32 i	26 i	116	99	77	193	106	29
415	Western IL U.	240	212	196	16	31	4	105	29
416	C. of the Holy Cross	46	69	44	64	36	29	11	28
417	SUNY C. Old Westbury	0	0 e	0	0	0	0	111	27
418	Air Force Institute of Technology	2	1	0	107	4	31	294	26
419	MT State U. Billings	ne	ne	ne	ne	ne	0 i	79	26
420	Southwestern OK State U.	ne	ne	ne	ne	ne	ne	ne	26
421	SUNY C. of Optometry	10	56	85	157	126	64	64	26
422	Wheeling Jesuit U.	8 i	10 i	13 i	15 i	18 i	20 i	23 i	26
423	CA State U. Los Angeles	142	133	199	36	28	105	44	25
424	Claremont Graduate U.	202	113	47	90	34	26	129	25
425	CUNY York C.	0	0	0	12	11	15	13	25
426	U. Southern ME	0 e	0 i	0 i	0 i	0 i	0 i	311	25
427	Edward Waters C.	ne	ne	ne	ne	ne	ne	ne	24 i
428	Seattle Pacific U.	ne	ne	ne	ne	ne	ne	ne	23 i

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000-07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
429	Sam Houston State U.	600	308	100	131 i	163 i	619	28	22
430	Lamar U.	156	326	291	357	87	181	76	21
431	Seattle U.	0 i	0 i	0 i	0 i	150	22	21 i	21 i
432	U. IL Springfield	12	0	0	0	1	0	8	21
433	U. New Haven	27 e	0	0 e	0 i	0 i	0	ne	21
434	TX Southern U.	116	197	63	68	272	164	73	20
435	Black Hills State U.	ne	ne	ne	ne	8	12	21	19
436	U. WI Parkside	0	4	4	2	0	0	4	19
437	Augustana C. (Rock Island, IL)	3 i	4 i	5 i	0	0	0	18	18 i
438	Ursinus C.	ne	ne	ne	ne	ne	ne	30	18
439	MN State U. Mankato	195	231	247	232	295 i	2	0	17
440	Simmons C.	783	640	636	3	15	61	59	17
441	U. WI Oshkosh	0	20	10	9	2	0	83	17
442	Central State U.	125 i	60 i	44 i	30 i	14 i	0	16	16
443	Providence C.	11 e	10 i	13	13 e	25	17	10	16
444	U. AR Pine Bluff	0 i	0	0	0	0	0	0	16
445	WV State U.	0 e	0 e	0 i	0 i	0	50	11	16
446	Trinity C. (Hartford, CT)	96	96 e	71	27	12	17	12	14
447	U. WI Eau Claire	0	16	0	5	10	24	11	14
448	Hamilton C. (Clinton, NY)	34	34	33	27	41	120	5	13
449	McNeese State U.	0	0	0	0	0	0	14	13
450	Southern Polytechnic State U.	ne	ne	ne	ne	ne	ne	ne	13
451	Coe C.	0 i	ne	ne	ne	ne	ne	ne	12
452	KY State U.	0 i	24	14	0	0	0	33	12
453	Rider U.	9	17	13	28	88	25	8	12
454	U. WI Platteville	0 i	0 i	0 i	0 i	0 i	22	6	12
455	Valparaiso U.	0	0	5	0	2	0	20	12
456	AR Tech U.	33	33	33 e	45 i	54 i	11 i	10 i	11 i
457	Nicholls State U.	99	97	142	0	0	59	20	11
458	Rhodes C.	0 i	0 i	0 i	0 i	0 i	20	4	11
459	TX Woman's U.	349	69	99	45	143	64	115	11
460	Truman State U.	8 i	7 i	6 i	10	36	16	9	11
461	Canisius C.	102 i	130 i	158 i	186 i	214 i	242 i	275	10
462	Central CT State U.	0	0	0	0	9	17	6	10
463	Eastern OR U.	ne	ne	0	0	0	0	0	10
464	Berry C.	ne	ne	ne	ne	ne	ne	8	9 i
465	U. WI River Falls	34	12	16	24	15	2	12	9
466	Bryn Mawr C.	9	0	15	7	0	0	10	7
467	Dowling C.	ne	ne	ne	ne	ne	ne	ne	7

TABLE 32. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2007 expenditures: FY 2000–07

(Dollars in thousands)

Rank	Institution	2000	2001	2002	2003	2004	2005	2006	2007
468	IL Wesleyan U.	ne	ne	ne	ne	ne	15	8	7
469	U. PR Rio Piedras Campus	0	105	122	50	5	49	2	7
470	Lewis and Clark C.	75	136	0	56	13	0	0	6
471	PA C. of Optometry	13	78	0	0	0	0	3	6
472	SUNY C. Plattsburgh	28	37	45	45	23	35	45	6
473	U. TX of the Permian Basin	ne	ne	ne	ne	ne	ne	ne	6
474	William Paterson U. NJ	ne	ne	ne	ne	ne	ne	ne	6 i
475	AL State U.	0 e	0 e	0	0	5	5	5	5
476	Bates C.	16	4	4	3	6	15	9	5
477	John Carroll U.	0 e	18	20	14	0	80	22	5
478	U. Northern CO	7	116	20	7	0	14	5	5
479	U. WI Stout	3	42	1	9	0	0	0	5
480	Des Moines U.	118	106	106 e	35	35 e	118 i	0	4
481	Smith C.	1,747	1,240	1,303	315	268	0	7	4
482	Southeastern OK State U.	ne	ne	ne	12	50	0	0	4
483	A.T. Still U. of Health Sciences	0	0	0	0	0	0	42	3
484	Indiana U. PA all campuses	27	196	206	218	335	10	8	3
485	U. MD Eastern Shore	0	0	0	18	0	32	0	3
486	Andrews U.	0	16	9	20	63	69	22	2
487	Abilene Christian U.	0	38	41	0	1	0	0	1
488	Goucher C.	0 i	0 i	0 i	0 i	ne	ne	ne	1
489	U. San Francisco	0	0 e	20 i	10	19	0	1	1
	All other surveyed institutions	14,952	21,580	20,175	17,712	2,741	2,160	1,743	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$3,505 in industry-financed R&D expenditures in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
	All institutions	49,430,767	30,440,745	3,145,376	2,672,333	9,655,290	3,517,023
1	Johns Hopkins U., The ^a	1,554,103	1,362,836	4,870	27,453	76,474	82,470
2	U. CA, San Francisco	842,840	467,402	24,578	45,659	145,705	159,496
3	U. WI Madison	840,672	469,076	32,780	25,090	238,934	74,792
4	U. CA, Los Angeles	823,083	488,846	12,981	39,731	161,738	119,787
5	U. MI all campuses	808,731	577,201	6,850	36,282	145,970	42,428
6	U. CA, San Diego	798,896	475,708	26,072	44,768	132,658	119,690
7	Duke U.	781,843	459,122	17,895	181,072	79,872	43,882
8	U. WA	756,787	620,375	10,692	63,560	41,650	20,510
9	OH State U. all campuses	720,206	313,242	112,272	142,177	102,158	50,357
10	Stanford U.	687,511	534,787	6,002	54,181	46,522	46,019
11	PA State U. all campuses	652,144	370,789	69,662	93,535	116,041	2,117
12	U. PA	648,247	449,687	7,542	42,427	63,310	85,281
13	Cornell U. all campuses	641,936	367,094	71,223	23,398	116,868	63,353
14	U. MN all campuses	624,149	337,966	56,877	29,432	105,379	94,495
15	MA Institute of Technology	614,352	476,318	689	81,570	10,213	45,562
16	U. CA, Davis	600,508	256,994	49,921	26,159	201,084	66,350
17	U. FL	592,835	240,819	100,792	34,124	184,855	32,245
18	Washington U. St. Louis	572,775	424,451	14,669	13,725	80,700	39,230
19	U. Pittsburgh all campuses	558,566	441,357	10,561	10,153	69,836	26,659
20	U. CA, Berkeley	552,365	251,043	41,298	25,361	151,941	82,722
21	Columbia U. in the City of NY	545,995	459,748	10,981	12,845	44,676	17,745
22	TX A&M U.	543,888	228,363	121,498	36,465	146,757	10,805
23	U. AZ	531,753	269,941	7,603	27,566	190,406	36,237
24	U. CO all campuses	527,587	442,303	5,342	14,498	40,973	24,471
25	U. Southern CA	508,138	355,084	6,258	48,618	98,178	0
26	U. TX M. D. Anderson Cancer Ctr.	496,539	190,508	131,884	34,308	78,752	61,087
27	U. NC Chapel Hill	477,231	346,672	19,120	8,670	102,769	0
28	U. IL Urbana-Champaign	473,890	253,612	36,622	12,333	155,044	16,279
29	GA Institute of Technology all campuses	472,591	260,230	12,915	45,651	152,356	1,439
30	Harvard U.	451,276	392,103	1,732	11,358	0	46,083
31	Yale U.	448,671	349,027	2,391	14,616	19,249	63,388
32	U. TX Austin	446,765	289,331	22,120	35,593	76,412	23,309
33	Northwestern U.	443,345	249,411	5,653	14,714	124,983	48,584
34	Baylor C. of Medicine	438,280	263,146	2,801	18,383	66,790	87,160
35	Purdue U. all campuses	415,172	165,637	49,530	55,979	142,272	1,754
36	Vanderbilt U.	399,149	312,178	370	6,535	56,299	23,767
37	Emory U.	398,383	271,445	8,504	6,268	49,816	62,350
38	U. Cincinnati all campuses	375,852	253,833	19,225	5,554	77,668	19,572
39	U. Rochester	373,247	280,132	10,585	25,408	37,935	19,187
40	LA State U. all campuses	372,421	145,650	85,405	14,861	99,381	27,124
41	Case Western Reserve U.	372,374	304,742	21,104	5,772	24,517	16,239
42	VA Polytechnic Institute and State U.	366,960	128,796	110,292	17,110	92,708	18,054
43	U. IA	363,243	222,944	10,355	16,382	89,661	23,901
44	MI State U.	360,852	170,350	42,524	12,255	123,704	12,019
45	Scripps Research Institute, The	360,511	267,073	134	14,578	58,371	20,355
46	U. MD College Park	359,760	218,973	20,663	10,869	99,244	10,011
47	U. MD Baltimore	358,851	164,211	19,337	31,968	90,550	52,785
48	U. AL Birmingham, The	351,457	269,006	319	8,676	54,349	19,107
49	U. IL Chicago	342,421	208,881	9,165	9,187	92,950	22,238
50	U. TX Southwestern Medical Ctr. Dallas	341,090	191,687	37,687	19,036	11,678	81,002

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
51	U. NE all campuses	336,468	138,338	7,392	14,093	147,556	29,089
52	U. GA	332,612	103,256	41,851	4,064	172,772	10,669
53	NC State U.	331,662	131,056	88,606	41,585	70,022	393
54	U. KY all campuses	331,606	154,688	43,404	9,562	96,130	27,822
55	U. Chicago	322,488	261,870	5,064	6,040	24,452	25,062
56	SUNY Buffalo all campuses	314,837	148,989	14,076	21,281	94,567	35,924
57	Rutgers, The State U. NJ all campuses	311,612	135,933	33,205	9,599	99,216	33,659
58	U. CA, Irvine	309,554	169,912	10,238	16,564	66,674	46,166
59	SUNY Albany	309,221	105,776	67,074	27,704	91,850	16,817
60	NY U.	297,867	194,303	4,949	9,340	37,988	51,287
61	IN U. all campuses	294,981	165,934	5,442	8,791	50,565	64,249
62	CO State U.	288,497	210,746	12,327	14,681	42,673	8,070
63	OR Health & Science U.	287,430	227,441	5,154	14,267	21,846	18,722
64	CA Institute of Technology	285,488	253,657	2,828	6,315	11,118	11,570
65	U. South FL	272,661	158,442	31,239	15,680	64,165	3,135
66	Mt. Sinai School of Medicine	269,451	221,397	4,075	12,331	7,370	24,278
67	SUNY Stony Brook all campuses	268,282	111,241	40,255	4,845	103,122	8,819
68	U. HI Manoa	266,447	208,196	15,425	21,937	16,343	4,546
69	Boston U.	249,279	232,115	475	5,850	0	10,839
70	U. UT	247,794	174,719	2,085	10,802	47,613	12,575
71	U. TN all campuses	243,184	126,998	43,895	16,839	43,402	12,050
72	U. of Medicine and Dentistry NJ	236,834	126,101	14,640	17,395	53,969	24,729
73	Wayne State U.	235,186	114,364	12,764	10,992	79,440	17,626
74	Rockefeller U.	233,917	86,728	205	2,574	133,502	10,908
75	U. VA all campuses	230,181	198,274	477	3,891	16,986	10,553
76	U. MO-Columbia	228,654	108,328	18,714	1,937	91,203	8,472
77	U. CT all campuses	224,679	123,513	9,740	8,233	67,443	15,750
78	AZ State U.	224,352	114,632	24,254	16,205	63,562	5,699
79	IA State U.	217,158	97,112	45,581	11,338	57,924	5,203
80	Clemson U.	211,760	53,905	40,140	12,424	98,858	6,433
81	U. Miami	210,534	147,535	4,611	20,231	12,785	25,372
82	WA State U.	210,010	78,505	34,476	7,768	80,457	8,804
83	MS State U.	206,207	106,662	29,481	7,496	62,568	0
84	U. KS all campuses	202,129	115,670	4,573	3,318	70,095	8,473
85	Carnegie Mellon U.	197,143	168,486	4,088	12,980	5,371	6,218
86	Dartmouth C.	192,846	128,164	4,247	6,033	43,057	11,345
87	Yeshiva U.	192,199	147,941	0	1,593	30,821	11,844
88	U. TX Health Science Ctr. Houston	191,724	131,879	13,256	7,861	19,591	19,137
89	U. CA, Santa Barbara	191,204	111,848	3,678	12,941	35,249	27,488
90	FL State U.	189,565	113,681	10,767	1,123	56,317	7,677
91	OR State U.	189,368	110,267	38,133	3,274	34,661	3,033
92	Princeton U.	188,732	119,171	1,332	4,822	52,392	11,015
93	Wake Forest U.	185,609	141,467	12,096	14,656	5,920	11,470
94	Medical U. SC	184,624	101,402	1,398	11,935	65,003	4,886
95	U. TX Medical Branch	183,492	118,173	7,425	6,659	30,810	20,425
96	U. NM main campus	177,430	123,039	2,141	5,375	43,386	3,489
97	U. OK all campuses	176,825	86,422	15,548	9,964	51,091	13,800
98	U. TX Health Science Ctr. San Antonio	160,282	95,610	5,846	8,622	36,102	14,102
99	U. SC all campuses	158,857	89,000	3,722	3,166	52,600	10,369
100	Medical C. WI	158,171	107,200	685	1,932	33,606	14,748
101	U. MA Worcester	157,469	131,226	0	16,266	1,385	8,592

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
102	Brown U.	152,619	95,023	391	3,108	49,938	4,159
103	U. AK Fairbanks all campuses	151,782 e	99,588 i	1,231 i	9,484 i	41,479 i	0 i
104	U. Louisville	151,226	76,479	11,437	2,297	41,223	19,790
105	NM State U. main campus	148,120	100,773	16,018	887	29,187	1,255
106	U. MA Amherst	141,351	71,974	5,638	5,195	48,755	9,789
107	Auburn U. all campuses	140,629	54,949	2,236	4,536	76,470	2,438
108	UT State U.	138,065	89,948	22,303	3,319	18,438	4,057
109	Woods Hole Oceanographic Institution	137,410	112,754	217	1,786	13,994	8,659
110	Tulane U.	137,107	98,473	6,718	1,587	11,002	19,327
111	VA Commonwealth U.	134,453	90,137	7,989	9,782	20,915	5,630
112	WV U.	133,590	65,699	4,423	5,331	57,310	827
113	Georgetown U.	131,785	101,853	1,614	3,441	13,872	11,005
114	Tufts U.	130,826	91,379	890	10,027	9,908	18,622
115	U. CA, Riverside	128,243	56,129	4,948	5,692	49,140	12,334
116	George Washington U.	126,110	87,624	2,289	3,098	10,831	22,268
117	U. CA, Santa Cruz	124,856	68,204	4,058	3,870	31,980	16,744
118	KS State U.	123,900	47,654	38,223	2,208	28,555	7,260
119	U. CA Office of the President	118,910	256	45,673	596	63,831	8,554
120	U. DE	118,245	82,539	5,363	3,950	22,402	3,991
121	MT State U. Bozeman	116,999	75,765	19,704	4,989	16,541	0
122	U. NH	114,228	81,027	4,469	6,105	16,362	6,265
123	U. VT	113,195	90,049	381	6,000	16,102	663
124	U. Central FL	111,595	49,359	4,732	17,619	39,885	0
125	U. AR for Medical Sciences	108,551	60,836	7,105	4,682	21,584	14,344
126	U. MS all campuses	108,244	77,526	432	1,882	23,116	5,288
127	Thomas Jefferson U.	107,288	81,545	6,684	9,153	4,564	5,342
128	ND State U. all campuses	106,208	45,475	32,791	862	23,183	3,897
129	OK State U. all campuses	101,112	36,958	27,074	4,227	32,069	784
130	U. AR main campus	101,109	37,016	39,754	7,270	15,744	1,325
131	Drexel U.	96,575	66,795	4,047	2,403	18,025	5,305
132	U. ME	96,135	41,963	5,260	2,609	44,127	2,176
133	U. NV, Reno	95,809	62,713	3,310	1,487	27,717	582
134	FL International U.	90,903	52,141	6,044	5,238	27,480	0
135	NJ Institute of Technology	88,699	41,330	5,289	965	29,458	11,657
136	Temple U.	85,394	54,452	6,018	5,806	13,747	5,371
137	Rush U.	84,370	39,601	0	11,295	31,866	1,608
138	NM Institute of Mining and Technology	83,742	69,050	3,737	5,066	5,839	50
139	U. ID	83,390	46,144	25,037	867	9,673	1,669
140	U. WY	79,700	25,537	6,131	2,326	42,839	2,867
141	TX A&M U. System Health Science Ctr.	77,957	35,004	1,378	4,551	23,939	13,085
142	U. of Notre Dame	77,467	53,974	1,739	10,046	11,708	0
143	Rensselaer Polytechnic Institute	77,238	48,924	8,057	5,740	12,632	1,885
144	U. RI	76,237	52,561	7,703	3,383	12,590	0
145	U. Dayton	74,005	60,089	6,681	4,170	2,002	1,063
146	U. Houston	73,542	40,116	7,466	3,125	18,146	4,689
147	Northeastern U.	71,502	36,028	2,351	10,828	22,295	0
148	Uniformed Services U. of the Health Sciences	71,307	37,275	0	0	30,561	3,471
149	U. AL Huntsville, The	70,027	48,415	4,756	7,583	9,273	0
150	Rice U.	69,772	54,301	967	2,260	7,288	4,956
151	U. MD Baltimore County	66,968	49,461	2,161	815	12,465	2,066
152	San Diego State U.	65,810	33,139	6,817	830	17,882	7,142

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
153	Southern IL U. Carbondale	64,703	17,724	8,172	7,499	29,888	1,420
154	Naval Postgraduate School	63,392	62,434	533	377	0	48
155	U. ND all campuses	63,036	44,610	2,618	7,480	7,106	1,222
156	U. MD Biotechnology Institute	61,757	30,375	1,403	431	28,682	866
157	U. OR	61,694	49,467	436	765	7,526	3,500
158	Medical C. GA	60,001	40,609	160	717	13,815	4,700
159	George Mason U.	58,252	46,588	563	1,610	4,628	4,863
160	TX Tech U.	57,878	22,874	16,978	4,034	10,744	3,248
161	Brandeis U.	56,831	41,358	0	0	6,248	9,225
162	U. MT-Missoula, The	55,755	33,855	2,798	1,110	15,609	2,383
163	MI Technological U.	55,294	28,193	335	4,507	21,385	874
164	St. Louis U. all campuses	54,265	47,704	536	412	0	5,613
165	U. NV, Las Vegas	53,049	46,128	2,435	461	4,025	0
166	U. Toledo	52,448	31,863	3,045	2,157	13,569	1,814
167	Old Dominion U.	52,134	25,694	4,399	2,651	19,390	0
168	Charles R. Drew U. of Medicine and Science	52,118	48,580	922	206	2,410	0
169	U. LA Lafayette	52,075	10,712	8,085	0	17,937	15,341
170	GA State U.	51,387	24,569	4,425	957	18,703	2,733
171	C. of William and Mary all campuses	49,854	25,983	3,333	1,097	17,222	2,219
172	Wright State U. all campuses	49,713	22,229	4,530	3,990	17,904	1,060
173	Wichita State U.	47,398	18,086	2,493	1,775	24,062	982
174	U. Southern MS	47,135	42,645	1,103	1,926	886	575
175	U. TX Dallas	46,477	17,783	15,319	4,140	2,297	6,938
176	U. Memphis, The	44,359	17,765	3,070	582	21,980	962
177	U. MD Ctr. for Environmental Science	40,720	13,365	4,027	79	19,622	3,627
178	Desert Research Institute	40,238	30,752	3,396	544	2,548	2,998
179	U. WI Milwaukee	40,023	18,368	5,054	1,076	13,540	1,985
180	U. TX El Paso	39,965	21,018	12,274	4,061	2,612	0
181	SUNY Upstate Medical U.	39,699	27,933	1,355	2,873	1,157	6,381
182	Boston C.	39,261	20,336	442	1,195	7,925	9,363
183	SD State U.	39,033	16,729	10,595	1,779	2,331	7,599
184	U. PR Medical Sciences Campus	38,863	31,955	1,724	1,872	3,271	41
185	OH U. all campuses	38,671	18,605	3,075	2,853	11,795	2,343
186	Howard U.	38,020	33,996	491	2,033	0	1,500
187	Jackson State U.	36,888	30,980	0	358	5,550	0
188	Lehigh U.	36,537	22,116	8,691	2,154	3,102	474
189	Syracuse U. all campuses	36,396	24,894	2,900	1,406	5,628	1,568
190	U. AL, The	36,382	27,744	3,091	2,404	3,143	0
191	SUNY Binghamton	35,462	13,991	2,095	3,602	10,162	5,612
192	Loyola U. Chicago	34,940	24,794	2,823	340	4,163	2,820
193	U. MA Lowell	34,824	20,045	969	5,222	8,588	0
194	U. Southern ME	34,799	19,656	1,897	25	9,523	3,698
195	NY Medical C.	34,365	26,101	627	6,642	170	825
196	San Jose State U.	34,241	22,609	7,597	621	1,319	2,095
197	Meharry Medical C.	33,218	31,263	0	0	0	1,955
198	CUNY The City C.	32,840	21,776	2,150	2,454	5,016	1,444
199	U. TX Arlington	32,734	19,774	1,916	4,625	6,419	0
200	Eastern VA Medical School	31,453	20,620	326	3,107	476	6,924
201	U. TX San Antonio	30,542	20,545	7,858	636	1,503	0
202	U. MO-Rolla	30,395	18,256	19	1,349	8,945	1,826
203	CO School of Mines	29,939	18,248	1,687	10,004	0	0

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
204	SUNY Health Science Ctr. Brooklyn	29,809	23,232	0	1,222	2,974	2,381
205	Creighton U.	28,374	11,716	2,912	9,872	3,383	491
206	U. North TX Health Science Ctr. Ft. Worth	28,187	19,203	1,452	807	4,704	2,021
207	Loma Linda U.	28,020	24,666	39	821	1,053	1,441
208	Morehouse School of Medicine	27,886	23,230	1,181	1,378	2,097	0
209	U. Akron all campuses	27,138	11,210	672	3,239	8,298	3,719
210	CUNY Hunter C.	27,046	15,768	2,376	95	6,717	2,090
211	Southern IL U. Edwardsville	26,904	3,133	1,488	278	21,729	276
212	U. MO-Kansas City	26,870	16,542	37	365	8,912	1,014
213	FL Atlantic U.	26,769	18,037	2,383	1,123	2,919	2,307
214	Brigham Young U. all campuses	26,653	17,118	1,165	4,298	2,809	1,263
215	Northern AZ U.	26,566	12,409	5,143	2,529	6,485	0
216	Portland State U.	26,025	17,054	1,788	833	3,300	3,050
217	U. MA Boston	25,952	9,152	1,207	275	11,122	4,196
218	U. South AL	25,883	16,400	237	3,039	6,207	0
219	Stevens Institute of Technology	25,684	22,809	525	1,668	682	0
220	NC Agricultural and Technical State U.	24,044	15,362	51	131	8,500	0
221	Hampton U.	24,017	23,836	0	0	181	0
222	SUNY C. of Environmental Science and Forestry	23,854	7,842	1,982	1,147	12,363	520
223	Miami U. all campuses	23,729	8,964	2,082	390	11,500	793
224	IL Institute of Technology	22,955	19,731	363	1,426	1,070	365
225	Marshall U.	22,519	18,412	1,731	179	1,939	258
226	U. NC Charlotte	22,165	11,887	2,542	6,657	1,079	0
227	U. SD	21,473	16,683	2,183	0	1,180	1,427
228	U. PR Rio Piedras Campus	21,379	16,114	1	7	5,235	22
229	TX Tech U. Health Science Ctr.	21,006	8,765	836	1,710	7,720	1,975
230	Rochester Institute of Technology	20,961	13,225	450	2,437	3,688	1,161
231	San Francisco State U.	20,069	11,896	4,959	0	2,198	1,016
232	Catholic U. America, The	19,919	15,324	33	768	3,661	133
233	ID State U.	19,887	11,911	208	3,085	3,966	717
234	U. PR Mayaguez Campus	19,813	11,164	2,498	554	2,837	2,760
235	U. MA Dartmouth	19,538	11,456	2,210	762	4,855	255
236	Kent State U. all campuses	19,001	9,801	921	1,332	6,947	0
237	Mercer U. all campuses	18,096	11,075	177	4,888	1,956	0
238	U. of the VI	17,842	12,561	2,658	2,623	0	0
239	Western MI U.	17,182	10,254	1,242	2,265	2,169	1,252
240	U. NC Wilmington	17,064	11,362	1,207	252	4,243	0
241	Clarkson U.	16,976	7,587	2,566	2,853	3,970	0
242	Air Force Institute of Technology	16,801	6,681	20	26	10,074	0
243	Northern IL U.	16,710	13,034	74	427	3,175	0
244	FL A&M U.	16,541	14,502	962	1,077	0	0
245	East Carolina U.	15,970	10,354	2,350	1,929	0	1,337
246	Cleveland State U.	15,948	5,097	4,269	392	4,739	1,451
247	Albany Medical C.	15,029	9,521	270	755	2,917	1,566
248	U. Tulsa	14,735	7,851	982	5,472	430	0
249	CA State Polytechnic U. San Luis Obispo	14,517	5,391	3,898	1,192	1,541	2,495
250	U.S. Air Force Academy	14,504	14,301	0	203	0	0
251	SD School of Mines and Technology	14,480	11,232	874	233	1,280	861
252	Tuskegee U.	14,329	11,033	0	0	0	3,296
253	Polytechnic U.	14,216	6,329	1,535	3,066	2,286	1,000
254	U. North TX	14,207	7,192	41	655	5,064	1,255

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
255	LA Tech U.	14,166	4,151	1,050	433	8,433	99
256	CA State U. Long Beach	13,867	11,856	527	656	351	477
257	TX A&M U. Kingsville	13,794	5,067	1,066	199	6,767	695
258	AL A&M U.	13,672	8,467	1,785	38	2,070	1,312
259	Worcester Polytechnic Institute	13,409	9,545	56	1,054	2,429	325
260	Southern Methodist U.	13,381	10,304	126	300	1,918	733
261	Teachers C. Columbia U.	12,585	7,655	0	0	0	4,930
262	TN State U.	12,475	8,475	30	85	3,885	0
263	CA State U. Northridge	12,412	7,339	2,971	90	1,774	238
264	TN Technological U.	12,226	6,076	4,266	249	1,524	111
265	Rosalind Franklin U. of Medicine and Science	12,199	7,689	0	420	3,217	873
266	Prairie View A&M U.	12,019	9,217	1,815	108	879	0
267	TX A&M U. Corpus Christi	11,933	6,609	2,908	86	260	2,070
268	Morgan State U.	11,257	9,992	631	313	301	20
269	Boise State U.	10,947	9,924	252	689	82	0
270	U. CA, Merced	10,945	3,119	4,306	165	2,473	882
271	U. MO-St. Louis	10,907	4,240	60	151	6,193	263
272	Villanova U.	10,473	9,077	661	735	0	0
273	Western KY U.	10,402	8,225	644	977	556	0
274	CA State U. Los Angeles	10,053	9,819	90	25	0	119
275	U. Denver	9,833	7,694	29	982	719	409
276	Marquette U.	9,744	6,842	84	332	1,533	953
277	U. AR Little Rock	9,683 i	1,140 i	3,469 i	1,697 i	878 i	2,499 i
278	Universidad Central del Caribe	9,446	8,672	375	0	398	1
279	Southwest MO State U.	9,320	8,740	128	184	0	268
280	CUNY Queens C.	9,186	7,238	365	1,237	346	0
281	Tarleton State U.	9,151	4,852	3,475	172	652	0
282	Bowling Green State U. all campuses	9,120	6,299	65	239	1,873	644
283	Ponce School of Medicine	9,103	6,594	1,230	1,279	0	0
284	Alcorn State U.	9,056	7,874	1,182	0	0	0
285	Baylor U.	8,951	2,829	846	1,873	2,444	959
286	Oakland U.	8,872	5,386	48	669	2,640	129
287	Duquesne U.	8,850	3,856	107	50	4,646	191
288	Clark Atlanta U.	8,543	7,905	0	0	482	156
289	CA State U. San Bernardino	8,323	3,553	2,110	1,960	700	0
290	VA State U.	8,170	7,604	186	0	369	11
291	U.S. Military Academy	8,167	7,043	0	42	932	150
292	East TN State U.	8,020	4,864	1,514	0	174	1,468
293	U.S. Naval Academy	7,973	7,575	0	398	0	0
294	Embry-Riddle Aeronautical U.	7,930	6,419	760	680	0	71
295	U. HI Hilo	7,926	7,610	109	143	9	55
296	Ball State U.	7,913	4,541	111	1,314	1,947	0
297	TX State U. San Marcos	7,890	2,528	2,913	241	1,397	811
298	Wesleyan U.	7,878	5,094	96	34	2,011	643
299	New School, The	7,795	5,922	62	0	0	1,811
300	AR State U. main campus	7,494	4,694	1,961	157	625	57
301	DE State U.	7,418	6,487	354	577	0	0
302	U. AK Anchorage all campuses	7,122	4,967	588	0	0	1,567
303	Humboldt State U.	7,087	2,510	1,951	485	1,202	939
304	U. GU	7,059	6,867	54	138	0	0
305	U. Central AR	7,036	2,034	1,004	2,714	452	832

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
306	CA State U. Monterey Bay	7,032	3,832	2,982	0	0	218
307	Wheeling Jesuit U.	7,005	5,974	66	26	0	939
308	FL Institute of Technology	6,985	5,570	271	980	0	164
309	Stephen F. Austin State U.	6,957	3,285	1,410	150	1,729	383
310	Nova Southeastern U.	6,697	3,470	1,243	0	90	1,894
311	Norfolk State U.	6,491	5,998	11	0	0	482
312	Western WA U.	6,371	2,910	400	56	2,788	217
313	U. NC Greensboro	6,130	5,256	95	243	119	417
314	CA State U. Dominguez Hills	6,016	4,580	809	137	318	172
315	Fisk U.	6,000	6,000	0	0	0	0
316	Fordham U.	5,908	2,268	273	0	2,073	1,294
317	U. AR Pine Bluff	5,831	3,091	167	16	2,557	0
318	Southern U. and A&M C. all campuses	5,590	4,375	1,139	0	47	29
319	Lincoln U. (Jefferson City, MO)	5,573	4,169	1,404	0	0	0
320	MT Tech of the U. MT	5,537	4,445	800	292	0	0
321	Alfred U. all campuses	5,474	2,002	1,431	1,222	819	0
322	James Madison U.	5,455	3,809	92	0	570	984
323	Morehouse C.	5,445	4,743	0	0	83	619
324	C. Charleston	5,308	4,071	56	0	1,117	64
325	CA State U. Fresno	5,297	2,477	1,332	76	1,260	152
326	U. PR Humacao	5,220	4,930	120	150	20	0
327	U. TX-Pan American	5,217	3,457	1,583	53	35	89
328	U. NC Asheville	5,202	3,473	1,118	222	79	310
329	U. DC	5,165	4,002	686	0	470	7
330	Northeastern OH Universities C. of Medicine	4,984	2,777	98	49	1,777	283
331	CUNY Brooklyn C.	4,960	4,207	0	493	260	0
332	Clark U.	4,899	2,734	0	0	1,398	767
333	CUNY Herbert H. Lehman C.	4,852	3,980	1	420	451	0
334	U. West FL	4,840	4,017	531	0	0	292
335	IL State U.	4,831	3,074	459	433	865	0
336	Rowan U.	4,772	3,102	1,194	113	49	314
337	U. LA Monroe	4,674	1,194	2,869	112	155	344
338	West TX A&M U.	4,638	2,558	1,447	282	0	351
339	Wellesley C.	4,634	3,210	186	49	0	1,189
340	Central MI U.	4,512	1,257	338	254	2,164	499
341	Grand Valley State U.	4,414	463	401	0	2,487	1,063
342	Langston U.	4,405	3,582	823	0	0	0
343	Xavier U. LA	4,394	4,268	109	0	0	17
344	CUNY Graduate Ctr.	4,380	2,431	413	0	65	1,471
345	NC Central U.	4,337	4,337	0	0	0	0
346	CA State U. Fullerton	4,311	3,792	210	188	121	0
347	OR Institute of Technology	4,155	1,593	2	2,560	0	0
348	U. of the Pacific	4,131	908	1,446	1,777	0	0
349	Williams C.	3,983	1,705	0	0	960	1,318
350	TX Christian U.	3,924	3,022	162	647	93	0
351	Bryn Mawr C.	3,881	1,222	13	7	2,639	0
352	U. North FL	3,875	2,535	505	108	303	424
353	SC State U.	3,796	2,587	33	0	364	812
354	Spelman C.	3,741	3,361	0	380	0	0
355	Milwaukee School of Engineering	3,740	1,133	16	2,222	309	60
356	Lamar U.	3,695	1,925	1,579	21	22	148

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
357	TX Southern U.	3,688	3,651	0	20	0	17
358	St. Francis U. (Loretto, PA)	3,677	3,677	0	0	0	0
359	KY State U.	3,548	3,451	85	12	0	0
360	Gallaudet U.	3,520	3,460	60	0	0	0
361	CA State U. East Bay	3,509	1,652	732	278	265	582
362	Smith C.	3,498	2,858	28	4	254	354
363	CUNY C. Staten Island	3,494	1,256	1,561	471	206	0
364	FL Gulf Coast U.	3,479	2,386	479	0	20	594
365	U. Northern IA	3,455	1,093	1,333	0	956	73
366	U. WI La Crosse	3,414	2,147	372	346	348	201
367	U. MD Eastern Shore	3,408	3,288	12	3	0	105
368	Rose-Hulman Institute of Technology	3,271	532	30	77	0	2,632
369	Albany C. of Pharmacy	3,248	250	1,161	1,726	111	0
370	Mt. Holyoke C.	3,127	1,989	0	0	129	1,009
371	Claremont Graduate U.	3,121	986	60	25	501	1,549
372	Pomona C.	3,108	1,226	0	0	1,808	74
373	U. WI Stevens Point	3,077	1,112	192	39	649	1,085
374	Sul Ross State U.	3,056	1,632	394	0	350	680
375	Eastern MI U.	3,027	1,719	139	434	485	250
376	Long Island U. all campuses	2,969 i	2,102 i	200 i	343 i	221 i	103 i
377	Black Hills State U.	2,935	2,409	353	19	34	120
378	St. Joseph's U.	2,930	2,403	35	0	140	352
379	Amherst C.	2,926	1,100	0	43	1,118	665
380	Appalachian State U.	2,912	2,059	113	144	173	423
381	Dillard U.	2,846	1,959	504	0	383	0
382	DePaul U.	2,839	2,284	53	46	194	262
383	CA State U. Chico	2,814 i	1,083 i	1,489 i	115 i	0 i	127 i
384	WV State U.	2,765	1,795	954	16	0	0
385	Barnard C.	2,764	2,511	0	0	46	207
386	La Salle U.	2,758	2,598	4	0	131	25
387	Harvey Mudd C.	2,739	1,231	0	325	532	651
388	American U.	2,713	1,800	0	913	0	0
389	NY Institute of Technology all campuses	2,708	865	462	330	1,051	0
390	Seton Hall U.	2,685	1,551	0	254	0	880
391	St. Cloud State U.	2,656	885	166	822	783	0
392	Ft. Valley State U.	2,610	2,610	0	0	0	0
393	Hope C.	2,603	1,432	0	0	305	866
394	Western Carolina U.	2,602	1,435	541	0	508	118
395	Murray State U.	2,555	642	662	149	1,102	0
396	CUNY York C.	2,550	2,468	0	25	57	0
397	Pittsburg State U.	2,533	1,258	327	843	0	105
398	U. WI Superior	2,501	2,068	0	43	197	193
399	Sam Houston State U.	2,500	1,923	367	22	159	29
400	CA State Polytechnic U. Pomona	2,466	2,466	0	0	0	0
401	Arcadia U.	2,450	426	327	1,697	0	0
402	Central WA U.	2,431	1,909	56	77	241	148
403	Midwestern U. (Chicago, IL)	2,358	801	68	244	1,195	50
404	Macalester C.	2,349	483	0	0	1,561	305
405	Central State U.	2,320	2,263	41	16	0	0
406	Savannah State U.	2,301	2,257	44	0	0	0
407	CUNY John Jay C. of Criminal Justice	2,259	1,509	61	0	65	624

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
408	SUNY C. of Optometry	2,231	2,164	0	26	11	30
409	Colgate U.	2,217	1,283	0	0	752	182
410	Kettering U.	2,209	1,583	26	509	0	91
411	Bowdoin C.	2,186	1,402	0	442	342	0
412	U. New England	2,154	978	364	0	0	812
413	Fairfield U.	2,148	182	40	136	1,790	0
414	Eastern WA U.	2,136	384	1,391	0	125	236
415	Middle TN State U.	2,135	1,011	102	86	813	123
416	Chicago State U.	2,124	1,993	0	0	131	0
417	Union C. (Schenectady, NY)	2,086	647	203	790	431	15
418	Winston-Salem State U.	2,086 i	2,086 i	0 i	0 i	0 i	0 i
419	Calvin C.	2,063	600	98	129	1,152	84
420	TX Woman's U.	2,047	755	591	11	521	169
421	Lawrence Technological U.	2,001	1,546	257	198	0	0
422	Franklin & Marshall C.	1,993	909	219	0	586	279
423	Bowie State U.	1,960	1,960	0	0	0	0
424	U. Richmond	1,958	1,328	0	538	85	7
425	U. Hartford	1,923	1,059	368	125	288	83
426	Southern CT State U.	1,918	1,249	669	0	0	0
427	Hamilton C. (Clinton, NY)	1,907	932	0	13	679	283
428	Oglala Lakota C.	1,903	1,835	0	0	0	68
429	AL State U.	1,900	1,685	0	5	210	0
430	Elizabeth City State U.	1,892	1,792	100	0	0	0
431	Bradley U.	1,860	357	0	1,071	432	0
432	Carleton C.	1,852	1,417	0	35	125	275
433	CA State U. Bakersfield	1,833	584	464	341	215	229
434	Middlebury C.	1,830	1,597	4	51	140	38
435	Shaw U.	1,826	1,826	0	0	0	0
436	U. Northern CO	1,822	1,079	12	5	487	239
437	GA Southern U.	1,789	1,348	238	203	0	0
438	St. John's U. (Jamaica, NY)	1,783	1,478	46	68	44	147
439	Monmouth U.	1,766	1,762	4	0	0	0
440	Morehead State U.	1,758	1,257	46	44	411	0
441	Philadelphia C. of Osteopathic Medicine	1,754	560	14	37	883	260
442	Bucknell U.	1,744	958	42	431	310	3
443	Fayetteville State U.	1,743	1,527	17	51	0	148
444	SUNY C. Geneseo	1,743	1,310	86	0	324	23
445	Santa Clara U.	1,736 i	1,682 i	0 i	0 i	0 i	54 i
446	IN State U. all campuses	1,697	991	0	487	16	203
447	SUNY C. Old Westbury	1,682	1,468	0	27	86	101
448	Tougaloo C.	1,675	1,007	0	0	69	599
449	Occidental C.	1,652	745	6	826	0	75
450	Southeastern LA U.	1,650	1,055	286	69	240	0
451	TX A&M U. Commerce	1,616	305	345	723	73	170
452	Benedict C.	1,604	1,573	25	0	0	6
453	Loyola Marymount U.	1,597	1,082	0	0	384	131
454	PA C. of Optometry	1,587	1,500	49	6	0	32
455	Northern KY U.	1,584	908	125	0	470	81
456	Dowling C.	1,566	1,482	0	7	77	0
457	Western IL U.	1,485	698	499	29	71	188
458	Lafayette C.	1,472	826	23	0	623	0

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
459	Swarthmore C.	1,449	741	0	0	474	234
460	U. of the Sciences Philadelphia	1,449	478	171	800	0	0
461	Ithaca C.	1,434	1,226	0	0	208	0
462	Wilberforce U.	1,405	1,360	0	45	0	0
463	U. TX Tyler	1,395	937	77	54	120	207
464	Loyola C.	1,373	377	562	0	267	167
465	New England C. of Optometry	1,356	729	0	118	388	121
466	Montclair State U.	1,341	1,087	8	0	174	72
467	Governors State U.	1,336	1,113	223	0	0	0
468	Albany State U.	1,331	952	261	0	0	118
469	Rider U.	1,330	321	6	12	755	236
470	U. WI Eau Claire	1,327	804	14	14	109	386
471	U. IL Springfield	1,321	997	25	21	186	92
472	SUNY C. Buffalo	1,292	810	9	0	329	144
473	Northwestern Health Sciences U.	1,289	1,289	0	0	0	0
474	Kansas City U. of Medicine and Biosciences	1,267	16	0	149	1,063	39
475	Trinity U.	1,244	715	0	516	13	0
476	Reed C.	1,220	658	0	0	188	374
477	Winona State U.	1,216	158	264	108	633	53
478	U. Redlands	1,206	1,173	0	0	0	33
479	SUNY C. Plattsburgh	1,190	973	4	6	179	28
480	Haverford C.	1,182	622	0	0	95	465
481	U. West GA	1,172	708	200	159	105	0
482	U. Baltimore	1,169	286	268	118	22	475
483	Colby C.	1,131	723	8	0	264	136
484	Polytechnic U. PR	1,127	285	629	0	213	0
485	Hampshire C.	1,118	476	0	0	0	642
486	Andrews U.	1,108	321	0	2	356	429
487	Towson U.	1,098	820	69	93	57	59
488	U. San Francisco	1,096	513	11	1	307	264
489	Coastal Carolina U.	1,095	818	88	0	135	54
490	SUNY C. Oswego	1,093	903	0	41	115	34
491	U. AK Southeast all campuses	1,087	941	0	0	0	146
492	NM Highlands U.	1,083	782	0	0	0	301
493	Dickinson C.	1,076	312	146	445	173	0
494	St. Olaf C.	1,060	725	16	0	0	319
495	U. WI Oshkosh	1,059	690	47	17	150	155
496	Lewis and Clark C.	1,048	586	0	6	185	271
497	Furman U.	1,042	775	0	0	0	267
498	U. WI Green Bay	1,031	687	41	190	91	22
499	CUNY Baruch C.	1,030	40	615	210	165	0
500	SUNY C. Brockport	1,025	819	89	0	78	39
501	Bates C.	1,020	887	2	5	95	31
502	CT C.	1,020	800	26	48	13	133
503	U.S. Coast Guard Academy	1,020	999	0	0	21	0
504	Northeastern IL U.	1,005	245	200	125	435	0
505	U. TX of the Permian Basin	995	147	145	6	649	48
506	C. of the Holy Cross	987	779	0	28	1	179
507	MN State U. Mankato	964	203	419	17	96	229
508	Trinity C. (Hartford, CT)	951	575	8	14	153	201
509	C. Wooster	944	219	0	0	292	433

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
510	Clafin U.	929 i	864 i	0 i	0 i	0 i	65 i
511	Nicholls State U.	922	167	206	11	404	134
512	Sinte Gleska U.	913	830	0	0	83	0
513	Western U. of Health Sciences	909	680	0	0	143	86
514	U. Portland	887	373	161	0	27	326
515	Eastern IL U.	885	589	180	34	82	0
516	Southern OR U.	875	447	31	325	63	9
517	Roger Williams U. Bristol	867	790	0	77	0	0
518	IL Wesleyan U.	856	644	13	7	142	50
519	Davidson C.	852	656	59	137	0	0
520	U. Houston-Clear Lake	851	159	581	0	12	99
521	Philadelphia U.	848	776	72	0	0	0
522	MT State U. Billings	846	694	46	26	80	0
523	MS Valley State U.	844	844	0	0	0	0
524	Seattle U.	837 i	505 i	0 i	21 i	148 i	163 i
525	A.T. Still U. of Health Sciences	826	120	0	3	439	264
526	Augustana C. (Sioux Falls, SD)	807	798	0	0	0	9
527	Des Moines U.	796	108	20	4	633	31
528	Pacific U.	793	142	44	514	0	93
529	Allegheny C.	787	278	48	0	279	182
530	Grinnell C.	787	145	0	0	576	66
531	Fuller Theological Seminary CA	780	553	17	0	26	184
532	Oberlin C.	773	639	0	112	22	0
533	Mercyhurst C.	767	347	145	34	241	0
534	Valparaiso U.	763	582	43	12	93	33
535	West Chester U. PA	762	699	51	0	0	12
536	Millersville U. PA	753	668	85	0	0	0
537	Evergreen State C.	739	548	0	0	0	191
538	Skidmore C.	726	369	0	233	124	0
539	Pace U. all campuses	718	443	0	0	12	263
540	Christopher Newport U.	709	596	61	52	0	0
541	Chapman U.	706	198	0	57	282	169
542	C. NJ, The	688	49	33	298	308	0
543	Hofstra U.	687	515	0	44	62	66
544	Hobart and William Smith Colleges	685	506	61	0	1	117
545	Saginaw Valley State U.	680	396	1	0	201	82
546	Angelo State U.	678	45	109	0	450	74
547	Claremont McKenna C.	678 i	678 i	0 i	0 i	0 i	0 i
548	Augsburg C.	676	563	0	58	55	0
549	U. San Diego	667	297	23	48	0	299
550	VA Military Institute	659	89	25	444	41	60
551	Bridgewater State C.	657	433	40	0	171	13
552	Eastern OR U.	649	418	5	10	216	0
553	St. Mary's U. (San Antonio, TX)	623	623	0	0	0	0
554	Drake U.	622	294	18	38	131	141
555	Eastern KY U.	614	471	65	31	47	0
556	Youngstown State U.	611	464	54	56	37	0
557	U. Scranton	600	272	204	29	95	0
558	Vassar C.	600	600	0	0	0	0
559	Adelphi U.	594	594	0	0	0	0
560	Truman State U.	593	238	12	11	300	32

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
561	Millsaps C.	588	588	0	0	0	0
562	MA C. of Pharmacy and Health Sciences	580	196	0	382	1	1
563	National U. of Health Sciences	580	351	0	0	140	89
564	West Liberty State C.	579	310	219	0	50	0
565	Mills C.	575 i	575 i	0 i	0 i	0 i	0 i
566	Sarah Lawrence C.	566	385	0	0	0	181
567	Providence C.	558	483	0	16	48	11
568	Northeastern State U.	554	404	113	0	37	0
569	Simmons C.	551	240	0	17	113	181
570	Kennesaw State U.	548	341	0	127	0	80
571	Pacific Lutheran U.	547	251	0	178	118	0
572	U. WI Platteville	540	46	175	12	212	95
573	U. of St. Thomas (St. Paul, MN)	536	302	0	40	76	118
574	Daemen C.	529	481	0	48	0	0
575	Manhattan C.	527 i	311 i	56 i	160 i	0 i	0 i
576	Central CT State U.	523	485	7	10	2	19
577	Jacksonville State U.	523	371	71	0	81	0
578	Mt. St. Mary's C. (Los Angeles, CA)	515	515	0	0	0	0
579	CUNY Medgar Evers C.	512	495	0	0	17	0
580	Muhlenberg C.	511	384	0	0	19	108
581	Northern MI U.	500	143	11	34	273	39
582	SUNY C. Cortland	480	237	71	65	107	0
583	U. Detroit Mercy	480 i	227 i	56 i	117 i	77 i	3 i
584	Ursinus C.	472	272	165	18	0	17
585	Jacksonville U.	466	153	174	122	17	0
586	U. Puget Sound	453	381	0	0	7	65
587	Lincoln U. (Lincoln University, PA)	450	450	0	0	0	0
588	Siena C.	447 i	415 i	0 i	0 i	0 i	32 i
589	Coe C.	445	228	14	12	143	48
590	Wabash C.	445	241	1	0	164	39
591	Rhodes C.	432	421	0	11	0	0
592	Grambling State U.	428	428	0	0	0	0
593	Sweet Briar C.	428	151	0	0	208	69
594	Gettysburg C.	427	315	0	39	73	0
595	Carlos Albizu U. (San Juan, PR)	418	202	0	0	216	0
596	Universidad del Turabo	417	417	0	0	0	0
597	St. Mary's C. MD	415	76	151	0	0	188
598	U. PR Cayey	411	411	0	0	0	0
599	Indiana U. PA all campuses	410	246	10	3	122	29
600	Loyola U. New Orleans	408	206	61	0	71	70
601	Sonoma State U.	408	280	25	0	22	81
602	Universidad del Este	407	407	0	0	0	0
603	U. Central OK	406	308	98	0	0	0
604	LeTourneau U.	405	189	0	96	12	108
605	Roanoke C.	402	26	12	0	364	0
606	Bluefield State C.	401	396	0	0	0	5
607	Mercy C.	401	401	0	0	0	0
608	Lake Forest C.	386	76	0	30	280	0
609	Willamette U.	377	87	0	0	290	0
610	OH Wesleyan U.	376	263	0	0	113	0
611	Hendrix C.	375	369	0	0	6	0

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
612	Northwestern State U.	371	0	219	0	77	75
613	Southeastern OK State U.	360	332	15	4	9	0
614	U. WI Stout	360	175	58	5	117	5
615	Point Loma Nazarene C.	358	348	10	0	0	0
616	U. New Haven	353	332	0	21	0	0
617	WV School of Osteopathic Medicine	349	0	0	0	349	0
618	Juniata C.	332	181	8	143	0	0
619	U. NC Pembroke	329	319	10	0	0	0
620	Washington and Lee U.	329	246	0	83	0	0
621	AR Tech U.	327 i	171 i	32 i	11 i	109 i	4 i
622	Western CT State U.	324	221	93	0	10	0
623	Denison U.	321	156	0	85	80	0
624	SUNY Fredonia	318	8	64	0	75	171
625	McNeese State U.	316	140	80	13	63	20
626	Lawrence U.	301	254	0	0	47	0
627	Southern Polytechnic State U.	300	272	15	13	0	0
628	Wilkes U.	300	108	154	38	0	0
629	Whitman C.	299	277	0	0	0	22
630	John Carroll U.	298	293	0	5	0	0
631	U. WI River Falls	287	150	29	9	64	35
632	Maharishi U. of Management	280	280	0	0	0	0
633	Bard C.	278 i	278 i	0 i	0 i	0 i	0 i
634	Cheyney U. PA	274	166	108	0	0	0
635	Abilene Christian U.	269	194	0	1	36	38
636	Pitzer C.	268	116	0	0	152	0
637	Southwestern OK State U.	266	230	10	26	0	0
638	Universidad Metropolitana	248	248	0	0	0	0
639	Troy U. main campus	246	181	15	0	50	0
640	Ft. Lewis C.	243	147	0	37	7	52
641	Berry C.	240 i	174 i	4 i	9 i	7 i	46 i
642	Kalamazoo C.	239	114	0	0	118	7
643	Mayville State U.	224	224	0	0	0	0
644	U. WI Whitewater	223	180	0	0	25	18
645	DePauw U.	221 i	221 i	0 i	0 i	0 i	0 i
646	U. WI Parkside	218	84	15	19	53	47
647	Goucher C.	217	216	0	1	0	0
648	Augustana C. (Rock Island, IL)	212 i	90 i	0 i	18 i	100 i	4 i
649	Heritage U. (Toppenish, WA)	210	210	0	0	0	0
650	Miles C.	197	197	0	0	0	0
651	U. of the South	190	13	1	0	31	145
652	CA State U. Sacramento	183	163	0	0	10	10
653	U. Houston-Downtown	175	123	43	0	7	2
654	Gustavus Adolphus C.	173	102	0	45	26	0
655	Cooper Union	171	0	0	78	0	93
656	Canisius C.	163	76	0	10	77	0
657	Southern U. New Orleans	154	154	0	0	0	0
658	CO State U. Pueblo	151	55	0	0	96	0
659	Edward Waters C.	150 i	0 i	18 i	24 i	62 i	46 i

TABLE 33. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
660	Fairleigh Dickinson U. all campuses	150 i	0 i	12 i	31 i	63 i	44 i
661	Seattle Pacific U.	150 i	10 i	16 i	23 i	58 i	43 i
662	William Paterson U. NJ	150 i	97 i	20 i	6 i	20 i	7 i

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
	All institutions	33,538,024	18,779,933	2,817,014	1,796,570	7,862,242	2,282,265
1	U. CA, San Francisco	842,840	467,402	24,578	45,659	145,705	159,496
2	U. WI Madison	840,672	469,076	32,780	25,090	238,934	74,792
3	U. CA, Los Angeles	823,083	488,846	12,981	39,731	161,738	119,787
4	U. MI all campuses	808,731	577,201	6,850	36,282	145,970	42,428
5	U. CA, San Diego	798,896	475,708	26,072	44,768	132,658	119,690
6	U. WA	756,787	620,375	10,692	63,560	41,650	20,510
7	OH State U. all campuses	720,206	313,242	112,272	142,177	102,158	50,357
8	PA State U. all campuses	652,144	370,789	69,662	93,535	116,041	2,117
9	U. MN all campuses	624,149	337,966	56,877	29,432	105,379	94,495
10	U. CA, Davis	600,508	256,994	49,921	26,159	201,084	66,350
11	U. FL	592,835	240,819	100,792	34,124	184,855	32,245
12	U. Pittsburgh all campuses	558,566	441,357	10,561	10,153	69,836	26,659
13	U. CA, Berkeley	552,365	251,043	41,298	25,361	151,941	82,722
14	TX A&M U.	543,888	228,363	121,498	36,465	146,757	10,805
15	U. AZ	531,753	269,941	7,603	27,566	190,406	36,237
16	U. CO all campuses	527,587	442,303	5,342	14,498	40,973	24,471
17	U. TX M. D. Anderson Cancer Ctr.	496,539	190,508	131,884	34,308	78,752	61,087
18	U. NC Chapel Hill	477,231	346,672	19,120	8,670	102,769	0
19	U. IL Urbana-Champaign	473,890	253,612	36,622	12,333	155,044	16,279
20	GA Institute of Technology all campuses	472,591	260,230	12,915	45,651	152,356	1,439
21	U. TX Austin	446,765	289,331	22,120	35,593	76,412	23,309
22	Purdue U. all campuses	415,172	165,637	49,530	55,979	142,272	1,754
23	U. Cincinnati all campuses	375,852	253,833	19,225	5,554	77,668	19,572
24	LA State U. all campuses	372,421	145,650	85,405	14,861	99,381	27,124
25	VA Polytechnic Institute and State U.	366,960	128,796	110,292	17,110	92,708	18,054
26	U. IA	363,243	222,944	10,355	16,382	89,661	23,901
27	MI State U.	360,852	170,350	42,524	12,255	123,704	12,019
28	U. MD College Park	359,760	218,973	20,663	10,869	99,244	10,011
29	U. MD Baltimore	358,851	164,211	19,337	31,968	90,550	52,785
30	U. AL Birmingham, The	351,457	269,006	319	8,676	54,349	19,107
31	U. IL Chicago	342,421	208,881	9,165	9,187	92,950	22,238
32	U. TX Southwestern Medical Ctr. Dallas	341,090	191,687	37,687	19,036	11,678	81,002
33	U. NE all campuses	336,468	138,338	7,392	14,093	147,556	29,089
34	U. GA	332,612	103,256	41,851	4,064	172,772	10,669
35	NC State U.	331,662	131,056	88,606	41,585	70,022	393
36	U. KY all campuses	331,606	154,688	43,404	9,562	96,130	27,822
37	SUNY Buffalo all campuses	314,837	148,989	14,076	21,281	94,567	35,924
38	Rutgers, The State U. NJ all campuses	311,612	135,933	33,205	9,599	99,216	33,659
39	U. CA, Irvine	309,554	169,912	10,238	16,564	66,674	46,166
40	SUNY Albany	309,221	105,776	67,074	27,704	91,850	16,817
41	IN U. all campuses	294,981	165,934	5,442	8,791	50,565	64,249
42	CO State U.	288,497	210,746	12,327	14,681	42,673	8,070
43	OR Health & Science U.	287,430	227,441	5,154	14,267	21,846	18,722
44	U. South FL	272,661	158,442	31,239	15,680	64,165	3,135
45	SUNY Stony Brook all campuses	268,282	111,241	40,255	4,845	103,122	8,819
46	U. HI Manoa	266,447	208,196	15,425	21,937	16,343	4,546
47	U. UT	247,794	174,719	2,085	10,802	47,613	12,575
48	U. TN all campuses	243,184	126,998	43,895	16,839	43,402	12,050
49	U. of Medicine and Dentistry NJ	236,834	126,101	14,640	17,395	53,969	24,729
50	Wayne State U.	235,186	114,364	12,764	10,992	79,440	17,626

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
51	U. VA all campuses	230,181	198,274	477	3,891	16,986	10,553
52	U. MO-Columbia	228,654	108,328	18,714	1,937	91,203	8,472
53	U. CT all campuses	224,679	123,513	9,740	8,233	67,443	15,750
54	AZ State U.	224,352	114,632	24,254	16,205	63,562	5,699
55	IA State U.	217,158	97,112	45,581	11,338	57,924	5,203
56	Clemson U.	211,760	53,905	40,140	12,424	98,858	6,433
57	WA State U.	210,010	78,505	34,476	7,768	80,457	8,804
58	MS State U.	206,207	106,662	29,481	7,496	62,568	0
59	U. KS all campuses	202,129	115,670	4,573	3,318	70,095	8,473
60	U. TX Health Science Ctr. Houston	191,724	131,879	13,256	7,861	19,591	19,137
61	U. CA, Santa Barbara	191,204	111,848	3,678	12,941	35,249	27,488
62	FL State U.	189,565	113,681	10,767	1,123	56,317	7,677
63	OR State U.	189,368	110,267	38,133	3,274	34,661	3,033
64	Medical U. SC	184,624	101,402	1,398	11,935	65,003	4,886
65	U. TX Medical Branch	183,492	118,173	7,425	6,659	30,810	20,425
66	U. NM main campus	177,430	123,039	2,141	5,375	43,386	3,489
67	U. OK all campuses	176,825	86,422	15,548	9,964	51,091	13,800
68	U. TX Health Science Ctr. San Antonio	160,282	95,610	5,846	8,622	36,102	14,102
69	U. SC all campuses	158,857	89,000	3,722	3,166	52,600	10,369
70	U. MA Worcester	157,469	131,226	0	16,266	1,385	8,592
71	U. AK Fairbanks all campuses	151,782 e	99,588 i	1,231 i	9,484 i	41,479 i	0 i
72	U. Louisville	151,226	76,479	11,437	2,297	41,223	19,790
73	NM State U. main campus	148,120	100,773	16,018	887	29,187	1,255
74	U. MA Amherst	141,351	71,974	5,638	5,195	48,755	9,789
75	Auburn U. all campuses	140,629	54,949	2,236	4,536	76,470	2,438
76	UT State U.	138,065	89,948	22,303	3,319	18,438	4,057
77	VA Commonwealth U.	134,453	90,137	7,989	9,782	20,915	5,630
78	WV U.	133,590	65,699	4,423	5,331	57,310	827
79	U. CA, Riverside	128,243	56,129	4,948	5,692	49,140	12,334
80	U. CA, Santa Cruz	124,856	68,204	4,058	3,870	31,980	16,744
81	KS State U.	123,900	47,654	38,223	2,208	28,555	7,260
82	U. CA Office of the President	118,910	256	45,673	596	63,831	8,554
83	U. DE	118,245	82,539	5,363	3,950	22,402	3,991
84	MT State U. Bozeman	116,999	75,765	19,704	4,989	16,541	0
85	U. NH	114,228	81,027	4,469	6,105	16,362	6,265
86	U. VT	113,195	90,049	381	6,000	16,102	663
87	U. Central FL	111,595	49,359	4,732	17,619	39,885	0
88	U. AR for Medical Sciences	108,551	60,836	7,105	4,682	21,584	14,344
89	U. MS all campuses	108,244	77,526	432	1,882	23,116	5,288
90	ND State U. all campuses	106,208	45,475	32,791	862	23,183	3,897
91	OK State U. all campuses	101,112	36,958	27,074	4,227	32,069	784
92	U. AR main campus	101,109	37,016	39,754	7,270	15,744	1,325
93	U. ME	96,135	41,963	5,260	2,609	44,127	2,176
94	U. NV, Reno	95,809	62,713	3,310	1,487	27,717	582
95	FL International U.	90,903	52,141	6,044	5,238	27,480	0
96	NJ Institute of Technology	88,699	41,330	5,289	965	29,458	11,657
97	Temple U.	85,394	54,452	6,018	5,806	13,747	5,371
98	NM Institute of Mining and Technology	83,742	69,050	3,737	5,066	5,839	50
99	U. ID	83,390	46,144	25,037	867	9,673	1,669
100	U. WY	79,700	25,537	6,131	2,326	42,839	2,867
101	TX A&M U. System Health Science Ctr.	77,957	35,004	1,378	4,551	23,939	13,085

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
102	U. RI	76,237	52,561	7,703	3,383	12,590	0
103	U. Houston	73,542	40,116	7,466	3,125	18,146	4,689
104	Uniformed Services U. of the Health Sciences	71,307	37,275	0	0	30,561	3,471
105	U. AL Huntsville, The	70,027	48,415	4,756	7,583	9,273	0
106	U. MD Baltimore County	66,968	49,461	2,161	815	12,465	2,066
107	San Diego State U.	65,810	33,139	6,817	830	17,882	7,142
108	Southern IL U. Carbondale	64,703	17,724	8,172	7,499	29,888	1,420
109	Naval Postgraduate School	63,392	62,434	533	377	0	48
110	U. ND all campuses	63,036	44,610	2,618	7,480	7,106	1,222
111	U. MD Biotechnology Institute	61,757	30,375	1,403	431	28,682	866
112	U. OR	61,694	49,467	436	765	7,526	3,500
113	Medical C. GA	60,001	40,609	160	717	13,815	4,700
114	George Mason U.	58,252	46,588	563	1,610	4,628	4,863
115	TX Tech U.	57,878	22,874	16,978	4,034	10,744	3,248
116	U. MT-Missoula, The	55,755	33,855	2,798	1,110	15,609	2,383
117	MI Technological U.	55,294	28,193	335	4,507	21,385	874
118	U. NV, Las Vegas	53,049	46,128	2,435	461	4,025	0
119	U. Toledo	52,448	31,863	3,045	2,157	13,569	1,814
120	Old Dominion U.	52,134	25,694	4,399	2,651	19,390	0
121	U. LA Lafayette	52,075	10,712	8,085	0	17,937	15,341
122	GA State U.	51,387	24,569	4,425	957	18,703	2,733
123	C. of William and Mary all campuses	49,854	25,983	3,333	1,097	17,222	2,219
124	Wright State U. all campuses	49,713	22,229	4,530	3,990	17,904	1,060
125	Wichita State U.	47,398	18,086	2,493	1,775	24,062	982
126	U. Southern MS	47,135	42,645	1,103	1,926	886	575
127	U. TX Dallas	46,477	17,783	15,319	4,140	2,297	6,938
128	U. Memphis, The	44,359	17,765	3,070	582	21,980	962
129	U. MD Ctr. for Environmental Science	40,720	13,365	4,027	79	19,622	3,627
130	Desert Research Institute	40,238	30,752	3,396	544	2,548	2,998
131	U. WI Milwaukee	40,023	18,368	5,054	1,076	13,540	1,985
132	U. TX El Paso	39,965	21,018	12,274	4,061	2,612	0
133	SUNY Upstate Medical U.	39,699	27,933	1,355	2,873	1,157	6,381
134	SD State U.	39,033	16,729	10,595	1,779	2,331	7,599
135	U. PR Medical Sciences Campus	38,863	31,955	1,724	1,872	3,271	41
136	OH U. all campuses	38,671	18,605	3,075	2,853	11,795	2,343
137	Jackson State U.	36,888	30,980	0	358	5,550	0
138	U. AL, The	36,382	27,744	3,091	2,404	3,143	0
139	SUNY Binghamton	35,462	13,991	2,095	3,602	10,162	5,612
140	U. MA Lowell	34,824	20,045	969	5,222	8,588	0
141	U. Southern ME	34,799	19,656	1,897	25	9,523	3,698
142	San Jose State U.	34,241	22,609	7,597	621	1,319	2,095
143	CUNY The City C.	32,840	21,776	2,150	2,454	5,016	1,444
144	U. TX Arlington	32,734	19,774	1,916	4,625	6,419	0
145	U. TX San Antonio	30,542	20,545	7,858	636	1,503	0
146	U. MO-Rolla	30,395	18,256	19	1,349	8,945	1,826
147	CO School of Mines	29,939	18,248	1,687	10,004	0	0
148	SUNY Health Science Ctr. Brooklyn	29,809	23,232	0	1,222	2,974	2,381
149	U. North TX Health Science Ctr. Ft. Worth	28,187	19,203	1,452	807	4,704	2,021
150	U. Akron all campuses	27,138	11,210	672	3,239	8,298	3,719
151	CUNY Hunter C.	27,046	15,768	2,376	95	6,717	2,090
152	Southern IL U. Edwardsville	26,904	3,133	1,488	278	21,729	276

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
153	U. MO-Kansas City	26,870	16,542	37	365	8,912	1,014
154	FL Atlantic U.	26,769	18,037	2,383	1,123	2,919	2,307
155	Northern AZ U.	26,566	12,409	5,143	2,529	6,485	0
156	Portland State U.	26,025	17,054	1,788	833	3,300	3,050
157	U. MA Boston	25,952	9,152	1,207	275	11,122	4,196
158	U. South AL	25,883	16,400	237	3,039	6,207	0
159	NC Agricultural and Technical State U.	24,044	15,362	51	131	8,500	0
160	SUNY C. of Environmental Science and Forestry	23,854	7,842	1,982	1,147	12,363	520
161	Miami U. all campuses	23,729	8,964	2,082	390	11,500	793
162	Marshall U.	22,519	18,412	1,731	179	1,939	258
163	U. NC Charlotte	22,165	11,887	2,542	6,657	1,079	0
164	U. SD	21,473	16,683	2,183	0	1,180	1,427
165	U. PR Rio Piedras Campus	21,379	16,114	1	7	5,235	22
166	TX Tech U. Health Science Ctr.	21,006	8,765	836	1,710	7,720	1,975
167	San Francisco State U.	20,069	11,896	4,959	0	2,198	1,016
168	ID State U.	19,887	11,911	208	3,085	3,966	717
169	U. PR Mayaguez Campus	19,813	11,164	2,498	554	2,837	2,760
170	U. MA Dartmouth	19,538	11,456	2,210	762	4,855	255
171	Kent State U. all campuses	19,001	9,801	921	1,332	6,947	0
172	U. of the VI	17,842	12,561	2,658	2,623	0	0
173	Western MI U.	17,182	10,254	1,242	2,265	2,169	1,252
174	U. NC Wilmington	17,064	11,362	1,207	252	4,243	0
175	Air Force Institute of Technology	16,801	6,681	20	26	10,074	0
176	Northern IL U.	16,710	13,034	74	427	3,175	0
177	FL A&M U.	16,541	14,502	962	1,077	0	0
178	East Carolina U.	15,970	10,354	2,350	1,929	0	1,337
179	Cleveland State U.	15,948	5,097	4,269	392	4,739	1,451
180	CA State Polytechnic U. San Luis Obispo	14,517	5,391	3,898	1,192	1,541	2,495
181	U.S. Air Force Academy	14,504	14,301	0	203	0	0
182	SD School of Mines and Technology	14,480	11,232	874	233	1,280	861
183	U. North TX	14,207	7,192	41	655	5,064	1,255
184	LA Tech U.	14,166	4,151	1,050	433	8,433	99
185	CA State U. Long Beach	13,867	11,856	527	656	351	477
186	TX A&M U. Kingsville	13,794	5,067	1,066	199	6,767	695
187	AL A&M U.	13,672	8,467	1,785	38	2,070	1,312
188	TN State U.	12,475	8,475	30	85	3,885	0
189	CA State U. Northridge	12,412	7,339	2,971	90	1,774	238
190	TN Technological U.	12,226	6,076	4,266	249	1,524	111
191	Prairie View A&M U.	12,019	9,217	1,815	108	879	0
192	TX A&M U. Corpus Christi	11,933	6,609	2,908	86	260	2,070
193	Morgan State U.	11,257	9,992	631	313	301	20
194	Boise State U.	10,947	9,924	252	689	82	0
195	U. CA, Merced	10,945	3,119	4,306	165	2,473	882
196	U. MO-St. Louis	10,907	4,240	60	151	6,193	263
197	Western KY U.	10,402	8,225	644	977	556	0
198	CA State U. Los Angeles	10,053	9,819	90	25	0	119
199	U. AR Little Rock	9,683 i	1,140 i	3,469 i	1,697 i	878 i	2,499 i
200	Southwest MO State U.	9,320	8,740	128	184	0	268
201	CUNY Queens C.	9,186	7,238	365	1,237	346	0
202	Tarleton State U.	9,151	4,852	3,475	172	652	0
203	Bowling Green State U. all campuses	9,120	6,299	65	239	1,873	644

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
204	Alcorn State U.	9,056	7,874	1,182	0	0	0
205	Oakland U.	8,872	5,386	48	669	2,640	129
206	CA State U. San Bernardino	8,323	3,553	2,110	1,960	700	0
207	VA State U.	8,170	7,604	186	0	369	11
208	U.S. Military Academy	8,167	7,043	0	42	932	150
209	East TN State U.	8,020	4,864	1,514	0	174	1,468
210	U.S. Naval Academy	7,973	7,575	0	398	0	0
211	U. HI Hilo	7,926	7,610	109	143	9	55
212	Ball State U.	7,913	4,541	111	1,314	1,947	0
213	TX State U. San Marcos	7,890	2,528	2,913	241	1,397	811
214	AR State U. main campus	7,494	4,694	1,961	157	625	57
215	DE State U.	7,418	6,487	354	577	0	0
216	U. AK Anchorage all campuses	7,122	4,967	588	0	0	1,567
217	Humboldt State U.	7,087	2,510	1,951	485	1,202	939
218	U. GU	7,059	6,867	54	138	0	0
219	U. Central AR	7,036	2,034	1,004	2,714	452	832
220	CA State U. Monterey Bay	7,032	3,832	2,982	0	0	218
221	Stephen F. Austin State U.	6,957	3,285	1,410	150	1,729	383
222	Norfolk State U.	6,491	5,998	11	0	0	482
223	Western WA U.	6,371	2,910	400	56	2,788	217
224	U. NC Greensboro	6,130	5,256	95	243	119	417
225	CA State U. Dominguez Hills	6,016	4,580	809	137	318	172
226	U. AR Pine Bluff	5,831	3,091	167	16	2,557	0
227	Southern U. and A&M C. all campuses	5,590	4,375	1,139	0	47	29
228	Lincoln U. (Jefferson City, MO)	5,573	4,169	1,404	0	0	0
229	MT Tech of the U. MT	5,537	4,445	800	292	0	0
230	James Madison U.	5,455	3,809	92	0	570	984
231	C. Charleston	5,308	4,071	56	0	1,117	64
232	CA State U. Fresno	5,297	2,477	1,332	76	1,260	152
233	U. PR Humacao	5,220	4,930	120	150	20	0
234	U. TX-Pan American	5,217	3,457	1,583	53	35	89
235	U. NC Asheville	5,202	3,473	1,118	222	79	310
236	U. DC	5,165	4,002	686	0	470	7
237	Northeastern OH Universities C. of Medicine	4,984	2,777	98	49	1,777	283
238	CUNY Brooklyn C.	4,960	4,207	0	493	260	0
239	CUNY Herbert H. Lehman C.	4,852	3,980	1	420	451	0
240	U. West FL	4,840	4,017	531	0	0	292
241	IL State U.	4,831	3,074	459	433	865	0
242	Rowan U.	4,772	3,102	1,194	113	49	314
243	U. LA Monroe	4,674	1,194	2,869	112	155	344
244	West TX A&M U.	4,638	2,558	1,447	282	0	351
245	Central MI U.	4,512	1,257	338	254	2,164	499
246	Grand Valley State U.	4,414	463	401	0	2,487	1,063
247	Langston U.	4,405	3,582	823	0	0	0
248	CUNY Graduate Ctr.	4,380	2,431	413	0	65	1,471
249	NC Central U.	4,337	4,337	0	0	0	0
250	CA State U. Fullerton	4,311	3,792	210	188	121	0
251	OR Institute of Technology	4,155	1,593	2	2,560	0	0
252	U. North FL	3,875	2,535	505	108	303	424
253	SC State U.	3,796	2,587	33	0	364	812
254	Lamar U.	3,695	1,925	1,579	21	22	148

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
255	TX Southern U.	3,688	3,651	0	20	0	17
256	KY State U.	3,548	3,451	85	12	0	0
257	CA State U. East Bay	3,509	1,652	732	278	265	582
258	CUNY C. Staten Island	3,494	1,256	1,561	471	206	0
259	FL Gulf Coast U.	3,479	2,386	479	0	20	594
260	U. Northern IA	3,455	1,093	1,333	0	956	73
261	U. WI La Crosse	3,414	2,147	372	346	348	201
262	U. MD Eastern Shore	3,408	3,288	12	3	0	105
263	U. WI Stevens Point	3,077	1,112	192	39	649	1,085
264	Sul Ross State U.	3,056	1,632	394	0	350	680
265	Eastern MI U.	3,027	1,719	139	434	485	250
266	Black Hills State U.	2,935	2,409	353	19	34	120
267	Appalachian State U.	2,912	2,059	113	144	173	423
268	CA State U. Chico	2,814 i	1,083 i	1,489 i	115 i	0 i	127 i
269	WV State U.	2,765	1,795	954	16	0	0
270	St. Cloud State U.	2,656	885	166	822	783	0
271	Ft. Valley State U.	2,610	2,610	0	0	0	0
272	Western Carolina U.	2,602	1,435	541	0	508	118
273	Murray State U.	2,555	642	662	149	1,102	0
274	CUNY York C.	2,550	2,468	0	25	57	0
275	Pittsburg State U.	2,533	1,258	327	843	0	105
276	U. WI Superior	2,501	2,068	0	43	197	193
277	Sam Houston State U.	2,500	1,923	367	22	159	29
278	CA State Polytechnic U. Pomona	2,466	2,466	0	0	0	0
279	Central WA U.	2,431	1,909	56	77	241	148
280	Central State U.	2,320	2,263	41	16	0	0
281	Savannah State U.	2,301	2,257	44	0	0	0
282	CUNY John Jay C. of Criminal Justice	2,259	1,509	61	0	65	624
283	SUNY C. of Optometry	2,231	2,164	0	26	11	30
284	Eastern WA U.	2,136	384	1,391	0	125	236
285	Middle TN State U.	2,135	1,011	102	86	813	123
286	Chicago State U.	2,124	1,993	0	0	131	0
287	Winston-Salem State U.	2,086 i	2,086 i	0 i	0 i	0 i	0 i
288	TX Woman's U.	2,047	755	591	11	521	169
289	Bowie State U.	1,960	1,960	0	0	0	0
290	Southern CT State U.	1,918	1,249	669	0	0	0
291	Oglala Lakota C.	1,903	1,835	0	0	0	68
292	AL State U.	1,900	1,685	0	5	210	0
293	Elizabeth City State U.	1,892	1,792	100	0	0	0
294	CA State U. Bakersfield	1,833	584	464	341	215	229
295	U. Northern CO	1,822	1,079	12	5	487	239
296	GA Southern U.	1,789	1,348	238	203	0	0
297	Morehead State U.	1,758	1,257	46	44	411	0
298	Fayetteville State U.	1,743	1,527	17	51	0	148
299	SUNY C. Geneseo	1,743	1,310	86	0	324	23
300	IN State U. all campuses	1,697	991	0	487	16	203
301	SUNY C. Old Westbury	1,682	1,468	0	27	86	101
302	Southeastern LA U.	1,650	1,055	286	69	240	0
303	TX A&M U. Commerce	1,616	305	345	723	73	170
304	Northern KY U.	1,584	908	125	0	470	81
305	Western IL U.	1,485	698	499	29	71	188

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
306	U. TX Tyler	1,395	937	77	54	120	207
307	Montclair State U.	1,341	1,087	8	0	174	72
308	Governors State U.	1,336	1,113	223	0	0	0
309	Albany State U.	1,331	952	261	0	0	118
310	U. WI Eau Claire	1,327	804	14	14	109	386
311	U. IL Springfield	1,321	997	25	21	186	92
312	SUNY C. Buffalo	1,292	810	9	0	329	144
313	Winona State U.	1,216	158	264	108	633	53
314	SUNY C. Plattsburgh	1,190	973	4	6	179	28
315	U. West GA	1,172	708	200	159	105	0
316	U. Baltimore	1,169	286	268	118	22	475
317	Towson U.	1,098	820	69	93	57	59
318	Coastal Carolina U.	1,095	818	88	0	135	54
319	SUNY C. Oswego	1,093	903	0	41	115	34
320	U. AK Southeast all campuses	1,087	941	0	0	0	146
321	NM Highlands U.	1,083	782	0	0	0	301
322	U. WI Oshkosh	1,059	690	47	17	150	155
323	U. WI Green Bay	1,031	687	41	190	91	22
324	CUNY Baruch C.	1,030	40	615	210	165	0
325	SUNY C. Brockport	1,025	819	89	0	78	39
326	U.S. Coast Guard Academy	1,020	999	0	0	21	0
327	Northeastern IL U.	1,005	245	200	125	435	0
328	U. TX of the Permian Basin	995	147	145	6	649	48
329	MN State U. Mankato	964	203	419	17	96	229
330	Nicholls State U.	922	167	206	11	404	134
331	Eastern IL U.	885	589	180	34	82	0
332	Southern OR U.	875	447	31	325	63	9
333	U. Houston-Clear Lake	851	159	581	0	12	99
334	MT State U. Billings	846	694	46	26	80	0
335	MS Valley State U.	844	844	0	0	0	0
336	West Chester U. PA	762	699	51	0	0	12
337	Millersville U. PA	753	668	85	0	0	0
338	Evergreen State C.	739	548	0	0	0	191
339	Christopher Newport U.	709	596	61	52	0	0
340	C. NJ, The	688	49	33	298	308	0
341	Saginaw Valley State U.	680	396	1	0	201	82
342	Angelo State U.	678	45	109	0	450	74
343	VA Military Institute	659	89	25	444	41	60
344	Bridgewater State C.	657	433	40	0	171	13
345	Eastern OR U.	649	418	5	10	216	0
346	Eastern KY U.	614	471	65	31	47	0
347	Youngstown State U.	611	464	54	56	37	0
348	Truman State U.	593	238	12	11	300	32
349	West Liberty State C.	579	310	219	0	50	0
350	Northeastern State U.	554	404	113	0	37	0
351	Kennesaw State U.	548	341	0	127	0	80
352	U. WI Platteville	540	46	175	12	212	95
353	Central CT State U.	523	485	7	10	2	19
354	Jacksonville State U.	523	371	71	0	81	0
355	CUNY Medgar Evers C.	512	495	0	0	17	0
356	Northern MI U.	500	143	11	34	273	39

TABLE 34. R&D expenditures at public universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
357	SUNY C. Cortland	480	237	71	65	107	0
358	Lincoln U. (Lincoln University, PA)	450	450	0	0	0	0
359	Grambling State U.	428	428	0	0	0	0
360	St. Mary's C. MD	415	76	151	0	0	188
361	U. PR Cayey	411	411	0	0	0	0
362	Indiana U. PA all campuses	410	246	10	3	122	29
363	Sonoma State U.	408	280	25	0	22	81
364	U. Central OK	406	308	98	0	0	0
365	Bluefield State C.	401	396	0	0	0	5
366	Northwestern State U.	371	0	219	0	77	75
367	Southeastern OK State U.	360	332	15	4	9	0
368	U. WI Stout	360	175	58	5	117	5
369	WV School of Osteopathic Medicine	349	0	0	0	349	0
370	U. NC Pembroke	329	319	10	0	0	0
371	AR Tech U.	327 i	171 i	32 i	11 i	109 i	4 i
372	Western CT State U.	324	221	93	0	10	0
373	SUNY Fredonia	318	8	64	0	75	171
374	McNeese State U.	316	140	80	13	63	20
375	Southern Polytechnic State U.	300	272	15	13	0	0
376	U. WI River Falls	287	150	29	9	64	35
377	Cheyney U. PA	274	166	108	0	0	0
378	Southwestern OK State U.	266	230	10	26	0	0
379	Troy U. main campus	246	181	15	0	50	0
380	Ft. Lewis C.	243	147	0	37	7	52
381	Mayville State U.	224	224	0	0	0	0
382	U. WI Whitewater	223	180	0	0	25	18
383	U. WI Parkside	218	84	15	19	53	47
384	CA State U. Sacramento	183	163	0	0	10	10
385	U. Houston-Downtown	175	123	43	0	7	2
386	Southern U. New Orleans	154	154	0	0	0	0
387	CO State U. Pueblo	151	55	0	0	96	0
388	William Paterson U. NJ	150 i	97 i	20 i	6 i	20 i	7 i

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
	All institutions	15,892,743	11,660,812	328,362	875,763	1,793,048	1,234,758
1	Johns Hopkins U., The ^a	1,554,103	1,362,836	4,870	27,453	76,474	82,470
2	Duke U.	781,843	459,122	17,895	181,072	79,872	43,882
3	Stanford U.	687,511	534,787	6,002	54,181	46,522	46,019
4	U. PA	648,247	449,687	7,542	42,427	63,310	85,281
5	Cornell U. all campuses	641,936	367,094	71,223	23,398	116,868	63,353
6	MA Institute of Technology	614,352	476,318	689	81,570	10,213	45,562
7	Washington U. St. Louis	572,775	424,451	14,669	13,725	80,700	39,230
8	Columbia U. in the City of NY	545,995	459,748	10,981	12,845	44,676	17,745
9	U. Southern CA	508,138	355,084	6,258	48,618	98,178	0
10	Harvard U.	451,276	392,103	1,732	11,358	0	46,083
11	Yale U.	448,671	349,027	2,391	14,616	19,249	63,388
12	Northwestern U.	443,345	249,411	5,653	14,714	124,983	48,584
13	Baylor C. of Medicine	438,280	263,146	2,801	18,383	66,790	87,160
14	Vanderbilt U.	399,149	312,178	370	6,535	56,299	23,767
15	Emory U.	398,383	271,445	8,504	6,268	49,816	62,350
16	U. Rochester	373,247	280,132	10,585	25,408	37,935	19,187
17	Case Western Reserve U.	372,374	304,742	21,104	5,772	24,517	16,239
18	Scripps Research Institute, The	360,511	267,073	134	14,578	58,371	20,355
19	U. Chicago	322,488	261,870	5,064	6,040	24,452	25,062
20	NY U.	297,867	194,303	4,949	9,340	37,988	51,287
21	CA Institute of Technology	285,488	253,657	2,828	6,315	11,118	11,570
22	Mt. Sinai School of Medicine	269,451	221,397	4,075	12,331	7,370	24,278
23	Boston U.	249,279	232,115	475	5,850	0	10,839
24	Rockefeller U.	233,917	86,728	205	2,574	133,502	10,908
25	U. Miami	210,534	147,535	4,611	20,231	12,785	25,372
26	Carnegie Mellon U.	197,143	168,486	4,088	12,980	5,371	6,218
27	Dartmouth C.	192,846	128,164	4,247	6,033	43,057	11,345
28	Yeshiva U.	192,199	147,941	0	1,593	30,821	11,844
29	Princeton U.	188,732	119,171	1,332	4,822	52,392	11,015
30	Wake Forest U.	185,609	141,467	12,096	14,656	5,920	11,470
31	Medical C. WI	158,171	107,200	685	1,932	33,606	14,748
32	Brown U.	152,619	95,023	391	3,108	49,938	4,159
33	Woods Hole Oceanographic Institution	137,410	112,754	217	1,786	13,994	8,659
34	Tulane U.	137,107	98,473	6,718	1,587	11,002	19,327
35	Georgetown U.	131,785	101,853	1,614	3,441	13,872	11,005
36	Tufts U.	130,826	91,379	890	10,027	9,908	18,622
37	George Washington U.	126,110	87,624	2,289	3,098	10,831	22,268
38	Thomas Jefferson U.	107,288	81,545	6,684	9,153	4,564	5,342
39	Drexel U.	96,575	66,795	4,047	2,403	18,025	5,305
40	Rush U.	84,370	39,601	0	11,295	31,866	1,608
41	U. of Notre Dame	77,467	53,974	1,739	10,046	11,708	0
42	Rensselaer Polytechnic Institute	77,238	48,924	8,057	5,740	12,632	1,885
43	U. Dayton	74,005	60,089	6,681	4,170	2,002	1,063
44	Northeastern U.	71,502	36,028	2,351	10,828	22,295	0
45	Rice U.	69,772	54,301	967	2,260	7,288	4,956
46	Brandeis U.	56,831	41,358	0	0	6,248	9,225
47	St. Louis U. all campuses	54,265	47,704	536	412	0	5,613
48	Charles R. Drew U. of Medicine and Science	52,118	48,580	922	206	2,410	0
49	Boston C.	39,261	20,336	442	1,195	7,925	9,363

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
50	Howard U.	38,020	33,996	491	2,033	0	1,500
51	Lehigh U.	36,537	22,116	8,691	2,154	3,102	474
52	Syracuse U. all campuses	36,396	24,894	2,900	1,406	5,628	1,568
53	Loyola U. Chicago	34,940	24,794	2,823	340	4,163	2,820
54	NY Medical C.	34,365	26,101	627	6,642	170	825
55	Meharry Medical C.	33,218	31,263	0	0	0	1,955
56	Eastern VA Medical School	31,453	20,620	326	3,107	476	6,924
57	Creighton U.	28,374	11,716	2,912	9,872	3,383	491
58	Loma Linda U.	28,020	24,666	39	821	1,053	1,441
59	Morehouse School of Medicine	27,886	23,230	1,181	1,378	2,097	0
60	Brigham Young U. all campuses	26,653	17,118	1,165	4,298	2,809	1,263
61	Stevens Institute of Technology	25,684	22,809	525	1,668	682	0
62	Hampton U.	24,017	23,836	0	0	181	0
63	IL Institute of Technology	22,955	19,731	363	1,426	1,070	365
64	Rochester Institute of Technology	20,961	13,225	450	2,437	3,688	1,161
65	Catholic U. America, The	19,919	15,324	33	768	3,661	133
66	Mercer U. all campuses	18,096	11,075	177	4,888	1,956	0
67	Clarkson U.	16,976	7,587	2,566	2,853	3,970	0
68	Albany Medical C.	15,029	9,521	270	755	2,917	1,566
69	U. Tulsa	14,735	7,851	982	5,472	430	0
70	Tuskegee U.	14,329	11,033	0	0	0	3,296
71	Polytechnic U.	14,216	6,329	1,535	3,066	2,286	1,000
72	Worcester Polytechnic Institute	13,409	9,545	56	1,054	2,429	325
73	Southern Methodist U.	13,381	10,304	126	300	1,918	733
74	Teachers C. Columbia U.	12,585	7,655	0	0	0	4,930
75	Rosalind Franklin U. of Medicine and Science	12,199	7,689	0	420	3,217	873
76	Villanova U.	10,473	9,077	661	735	0	0
77	U. Denver	9,833	7,694	29	982	719	409
78	Marquette U.	9,744	6,842	84	332	1,533	953
79	Universidad Central del Caribe	9,446	8,672	375	0	398	1
80	Ponce School of Medicine	9,103	6,594	1,230	1,279	0	0
81	Baylor U.	8,951	2,829	846	1,873	2,444	959
82	Duquesne U.	8,850	3,856	107	50	4,646	191
83	Clark Atlanta U.	8,543	7,905	0	0	482	156
84	Embry-Riddle Aeronautical U.	7,930	6,419	760	680	0	71
85	Wesleyan U.	7,878	5,094	96	34	2,011	643
86	New School, The	7,795	5,922	62	0	0	1,811
87	Wheeling Jesuit U.	7,005	5,974	66	26	0	939
88	FL Institute of Technology	6,985	5,570	271	980	0	164
89	Nova Southeastern U.	6,697	3,470	1,243	0	90	1,894
90	Fisk U.	6,000	6,000	0	0	0	0
91	Fordham U.	5,908	2,268	273	0	2,073	1,294
92	Alfred U. all campuses	5,474	2,002	1,431	1,222	819	0
93	Morehouse C.	5,445	4,743	0	0	83	619
94	Clark U.	4,899	2,734	0	0	1,398	767
95	Wellesley C.	4,634	3,210	186	49	0	1,189
96	Xavier U. LA	4,394	4,268	109	0	0	17
97	U. of the Pacific	4,131	908	1,446	1,777	0	0
98	Williams C.	3,983	1,705	0	0	960	1,318
99	TX Christian U.	3,924	3,022	162	647	93	0

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
100	Bryn Mawr C.	3,881	1,222	13	7	2,639	0
101	Spelman C.	3,741	3,361	0	380	0	0
102	Milwaukee School of Engineering	3,740	1,133	16	2,222	309	60
103	St. Francis U. (Loretto, PA)	3,677	3,677	0	0	0	0
104	Gallaudet U.	3,520	3,460	60	0	0	0
105	Smith C.	3,498	2,858	28	4	254	354
106	Rose-Hulman Institute of Technology	3,271	532	30	77	0	2,632
107	Albany C. of Pharmacy	3,248	250	1,161	1,726	111	0
108	Mt. Holyoke C.	3,127	1,989	0	0	129	1,009
109	Claremont Graduate U.	3,121	986	60	25	501	1,549
110	Pomona C.	3,108	1,226	0	0	1,808	74
111	Long Island U. all campuses	2,969 i	2,102 i	200 i	343 i	221 i	103 i
112	St. Joseph's U.	2,930	2,403	35	0	140	352
113	Amherst C.	2,926	1,100	0	43	1,118	665
114	Dillard U.	2,846	1,959	504	0	383	0
115	DePaul U.	2,839	2,284	53	46	194	262
116	Barnard C.	2,764	2,511	0	0	46	207
117	La Salle U.	2,758	2,598	4	0	131	25
118	Harvey Mudd C.	2,739	1,231	0	325	532	651
119	American U.	2,713	1,800	0	913	0	0
120	NY Institute of Technology all campuses	2,708	865	462	330	1,051	0
121	Seton Hall U.	2,685	1,551	0	254	0	880
122	Hope C.	2,603	1,432	0	0	305	866
123	Arcadia U.	2,450	426	327	1,697	0	0
124	Midwestern U. (Chicago, IL)	2,358	801	68	244	1,195	50
125	Macalester C.	2,349	483	0	0	1,561	305
126	Colgate U.	2,217	1,283	0	0	752	182
127	Kettering U.	2,209	1,583	26	509	0	91
128	Bowdoin C.	2,186	1,402	0	442	342	0
129	U. New England	2,154	978	364	0	0	812
130	Fairfield U.	2,148	182	40	136	1,790	0
131	Union C. (Schenectady, NY)	2,086	647	203	790	431	15
132	Calvin C.	2,063	600	98	129	1,152	84
133	Lawrence Technological U.	2,001	1,546	257	198	0	0
134	Franklin & Marshall C.	1,993	909	219	0	586	279
135	U. Richmond	1,958	1,328	0	538	85	7
136	U. Hartford	1,923	1,059	368	125	288	83
137	Hamilton C. (Clinton, NY)	1,907	932	0	13	679	283
138	Bradley U.	1,860	357	0	1,071	432	0
139	Carleton C.	1,852	1,417	0	35	125	275
140	Middlebury C.	1,830	1,597	4	51	140	38
141	Shaw U.	1,826	1,826	0	0	0	0
142	St. John's U. (Jamaica, NY)	1,783	1,478	46	68	44	147
143	Monmouth U.	1,766	1,762	4	0	0	0
144	Philadelphia C. of Osteopathic Medicine	1,754	560	14	37	883	260
145	Bucknell U.	1,744	958	42	431	310	3
146	Santa Clara U.	1,736 i	1,682 i	0 i	0 i	0 i	54 i
147	Tougaloo C.	1,675	1,007	0	0	69	599
148	Occidental C.	1,652	745	6	826	0	75
149	Benedict C.	1,604	1,573	25	0	0	6

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
150	Loyola Marymount U.	1,597	1,082	0	0	384	131
151	PA C. of Optometry	1,587	1,500	49	6	0	32
152	Dowling C.	1,566	1,482	0	7	77	0
153	Lafayette C.	1,472	826	23	0	623	0
154	Swarthmore C.	1,449	741	0	0	474	234
155	U. of the Sciences Philadelphia	1,449	478	171	800	0	0
156	Ithaca C.	1,434	1,226	0	0	208	0
157	Wilberforce U.	1,405	1,360	0	45	0	0
158	Loyola C.	1,373	377	562	0	267	167
159	New England C. of Optometry	1,356	729	0	118	388	121
160	Rider U.	1,330	321	6	12	755	236
161	Northwestern Health Sciences U.	1,289	1,289	0	0	0	0
162	Kansas City U. of Medicine and Biosciences	1,267	16	0	149	1,063	39
163	Trinity U.	1,244	715	0	516	13	0
164	Reed C.	1,220	658	0	0	188	374
165	U. Redlands	1,206	1,173	0	0	0	33
166	Haverford C.	1,182	622	0	0	95	465
167	Colby C.	1,131	723	8	0	264	136
168	Polytechnic U. PR	1,127	285	629	0	213	0
169	Hampshire C.	1,118	476	0	0	0	642
170	Andrews U.	1,108	321	0	2	356	429
171	U. San Francisco	1,096	513	11	1	307	264
172	Dickinson C.	1,076	312	146	445	173	0
173	St. Olaf C.	1,060	725	16	0	0	319
174	Lewis and Clark C.	1,048	586	0	6	185	271
175	Furman U.	1,042	775	0	0	0	267
176	Bates C.	1,020	887	2	5	95	31
177	CT C.	1,020	800	26	48	13	133
178	C. of the Holy Cross	987	779	0	28	1	179
179	Trinity C. (Hartford, CT)	951	575	8	14	153	201
180	C. Wooster	944	219	0	0	292	433
181	Claffin U.	929 i	864 i	0 i	0 i	0 i	65 i
182	Sinte Gleska U.	913	830	0	0	83	0
183	Western U. of Health Sciences	909	680	0	0	143	86
184	U. Portland	887	373	161	0	27	326
185	Roger Williams U. Bristol	867	790	0	77	0	0
186	IL Wesleyan U.	856	644	13	7	142	50
187	Davidson C.	852	656	59	137	0	0
188	Philadelphia U.	848	776	72	0	0	0
189	Seattle U.	837 i	505 i	0 i	21 i	148 i	163 i
190	A.T. Still U. of Health Sciences	826	120	0	3	439	264
191	Augustana C. (Sioux Falls, SD)	807	798	0	0	0	9
192	Des Moines U.	796	108	20	4	633	31
193	Pacific U.	793	142	44	514	0	93
194	Allegheny C.	787	278	48	0	279	182
195	Grinnell C.	787	145	0	0	576	66
196	Fuller Theological Seminary CA	780	553	17	0	26	184
197	Oberlin C.	773	639	0	112	22	0
198	Mercyhurst C.	767	347	145	34	241	0
199	Valparaiso U.	763	582	43	12	93	33

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
200	Skidmore C.	726	369	0	233	124	0
201	Pace U. all campuses	718	443	0	0	12	263
202	Chapman U.	706	198	0	57	282	169
203	Hofstra U.	687	515	0	44	62	66
204	Hobart and William Smith Colleges	685	506	61	0	1	117
205	Claremont McKenna C.	678 i	678 i	0 i	0 i	0 i	0 i
206	Augsburg C.	676	563	0	58	55	0
207	U. San Diego	667	297	23	48	0	299
208	St. Mary's U. (San Antonio, TX)	623	623	0	0	0	0
209	Drake U.	622	294	18	38	131	141
210	U. Scranton	600	272	204	29	95	0
211	Vassar C.	600	600	0	0	0	0
212	Adelphi U.	594	594	0	0	0	0
213	Millsaps C.	588	588	0	0	0	0
214	MA C. of Pharmacy and Health Sciences	580	196	0	382	1	1
215	National U. of Health Sciences	580	351	0	0	140	89
216	Mills C.	575 i	575 i	0 i	0 i	0 i	0 i
217	Sarah Lawrence C.	566	385	0	0	0	181
218	Providence C.	558	483	0	16	48	11
219	Simmons C.	551	240	0	17	113	181
220	Pacific Lutheran U.	547	251	0	178	118	0
221	U. of St. Thomas (St. Paul, MN)	536	302	0	40	76	118
222	Daemen C.	529	481	0	48	0	0
223	Manhattan C.	527 i	311 i	56 i	160 i	0 i	0 i
224	Mt. St. Mary's C. (Los Angeles, CA)	515	515	0	0	0	0
225	Muhlenberg C.	511	384	0	0	19	108
226	U. Detroit Mercy	480 i	227 i	56 i	117 i	77 i	3 i
227	Ursinus C.	472	272	165	18	0	17
228	Jacksonville U.	466	153	174	122	17	0
229	U. Puget Sound	453	381	0	0	7	65
230	Siena C.	447 i	415 i	0 i	0 i	0 i	32 i
231	Coe C.	445	228	14	12	143	48
232	Wabash C.	445	241	1	0	164	39
233	Rhodes C.	432	421	0	11	0	0
234	Sweet Briar C.	428	151	0	0	208	69
235	Gettysburg C.	427	315	0	39	73	0
236	Carlos Albizu U. (San Juan, PR)	418	202	0	0	216	0
237	Universidad del Turabo	417	417	0	0	0	0
238	Loyola U. New Orleans	408	206	61	0	71	70
239	Universidad del Este	407	407	0	0	0	0
240	LeTourneau U.	405	189	0	96	12	108
241	Roanoke C.	402	26	12	0	364	0
242	Mercy C.	401	401	0	0	0	0
243	Lake Forest C.	386	76	0	30	280	0
244	Willamette U.	377	87	0	0	290	0
245	OH Wesleyan U.	376	263	0	0	113	0
246	Hendrix C.	375	369	0	0	6	0
247	Point Loma Nazarene C.	358	348	10	0	0	0
248	U. New Haven	353	332	0	21	0	0
249	Juniata C.	332	181	8	143	0	0

TABLE 35. R&D expenditures at private universities and colleges, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
250	Washington and Lee U.	329	246	0	83	0	0
251	Denison U.	321	156	0	85	80	0
252	Lawrence U.	301	254	0	0	47	0
253	Wilkes U.	300	108	154	38	0	0
254	Whitman C.	299	277	0	0	0	22
255	John Carroll U.	298	293	0	5	0	0
256	Maharishi U. of Management	280	280	0	0	0	0
257	Bard C.	278 i	278 i	0 i	0 i	0 i	0 i
258	Abilene Christian U.	269	194	0	1	36	38
259	Pitzer C.	268	116	0	0	152	0
260	Universidad Metropolitana	248	248	0	0	0	0
261	Berry C.	240 i	174 i	4 i	9 i	7 i	46 i
262	Kalamazoo C.	239	114	0	0	118	7
263	DePauw U.	221 i	221 i	0 i	0 i	0 i	0 i
264	Goucher C.	217	216	0	1	0	0
265	Augustana C. (Rock Island, IL)	212 i	90 i	0 i	18 i	100 i	4 i
266	Heritage U. (Toppenish, WA)	210	210	0	0	0	0
267	Miles C.	197	197	0	0	0	0
268	U. of the South	190	13	1	0	31	145
269	Gustavus Adolphus C.	173	102	0	45	26	0
270	Cooper Union	171	0	0	78	0	93
271	Canisius C.	163	76	0	10	77	0
272	Edward Waters C.	150 i	0 i	18 i	24 i	62 i	46 i
273	Fairleigh Dickinson U. all campuses	150 i	0 i	12 i	31 i	63 i	44 i
274	Seattle Pacific U.	150 i	10 i	16 i	23 i	58 i	43 i

i = imputed.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 36. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
	All institutions	33,697,500	21,808,954	1,456,899	1,791,521	5,923,107	2,717,019
1	Johns Hopkins U., The ^a	1,554,103	1,362,836	4,870	27,453	76,474	82,470
2	U. CA, San Francisco	842,840	467,402	24,578	45,659	145,705	159,496
3	U. WI Madison	840,672	469,076	32,780	25,090	238,934	74,792
4	U. CA, Los Angeles	823,083	488,846	12,981	39,731	161,738	119,787
5	U. MI all campuses	808,731	577,201	6,850	36,282	145,970	42,428
6	U. CA, San Diego	798,896	475,708	26,072	44,768	132,658	119,690
7	Duke U.	781,843	459,122	17,895	181,072	79,872	43,882
8	U. WA	756,787	620,375	10,692	63,560	41,650	20,510
9	OH State U. all campuses	720,206	313,242	112,272	142,177	102,158	50,357
10	Stanford U.	687,511	534,787	6,002	54,181	46,522	46,019
11	PA State U. all campuses	652,144	370,789	69,662	93,535	116,041	2,117
12	U. PA	648,247	449,687	7,542	42,427	63,310	85,281
13	Cornell U. all campuses	641,936	367,094	71,223	23,398	116,868	63,353
14	U. MN all campuses	624,149	337,966	56,877	29,432	105,379	94,495
15	U. CA, Davis	600,508	256,994	49,921	26,159	201,084	66,350
16	U. FL	592,835	240,819	100,792	34,124	184,855	32,245
17	Washington U. St. Louis	572,775	424,451	14,669	13,725	80,700	39,230
18	U. Pittsburgh all campuses	558,566	441,357	10,561	10,153	69,836	26,659
19	Columbia U. in the City of NY	545,995	459,748	10,981	12,845	44,676	17,745
20	U. AZ	531,753	269,941	7,603	27,566	190,406	36,237
21	U. CO all campuses	527,587	442,303	5,342	14,498	40,973	24,471
22	U. Southern CA	508,138	355,084	6,258	48,618	98,178	0
23	U. NC Chapel Hill	477,231	346,672	19,120	8,670	102,769	0
24	Harvard U.	451,276	392,103	1,732	11,358	0	46,083
25	Yale U.	448,671	349,027	2,391	14,616	19,249	63,388
26	Northwestern U.	443,345	249,411	5,653	14,714	124,983	48,584
27	Baylor C. of Medicine	438,280	263,146	2,801	18,383	66,790	87,160
28	Vanderbilt U.	399,149	312,178	370	6,535	56,299	23,767
29	Emory U.	398,383	271,445	8,504	6,268	49,816	62,350
30	U. Cincinnati all campuses	375,852	253,833	19,225	5,554	77,668	19,572
31	U. Rochester	373,247	280,132	10,585	25,408	37,935	19,187
32	LA State U. all campuses	372,421	145,650	85,405	14,861	99,381	27,124
33	Case Western Reserve U.	372,374	304,742	21,104	5,772	24,517	16,239
34	U. IA	363,243	222,944	10,355	16,382	89,661	23,901
35	MI State U.	360,852	170,350	42,524	12,255	123,704	12,019
36	U. MD Baltimore	358,851	164,211	19,337	31,968	90,550	52,785
37	U. AL Birmingham, The	351,457	269,006	319	8,676	54,349	19,107
38	U. IL Chicago	342,421	208,881	9,165	9,187	92,950	22,238
39	U. TX Southwestern Medical Ctr. Dallas	341,090	191,687	37,687	19,036	11,678	81,002
40	U. NE all campuses	336,468	138,338	7,392	14,093	147,556	29,089
41	U. KY all campuses	331,606	154,688	43,404	9,562	96,130	27,822
42	U. Chicago	322,488	261,870	5,064	6,040	24,452	25,062
43	SUNY Buffalo all campuses	314,837	148,989	14,076	21,281	94,567	35,924
44	U. CA, Irvine	309,554	169,912	10,238	16,564	66,674	46,166
45	NY U.	297,867	194,303	4,949	9,340	37,988	51,287
46	IN U. all campuses	294,981	165,934	5,442	8,791	50,565	64,249
47	OR Health & Science U.	287,430	227,441	5,154	14,267	21,846	18,722
48	U. South FL	272,661	158,442	31,239	15,680	64,165	3,135
49	Mt. Sinai School of Medicine	269,451	221,397	4,075	12,331	7,370	24,278
50	SUNY Stony Brook all campuses	268,282	111,241	40,255	4,845	103,122	8,819

TABLE 36. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
51	U. HI Manoa	266,447	208,196	15,425	21,937	16,343	4,546
52	Boston U.	249,279	232,115	475	5,850	0	10,839
53	U. UT	247,794	174,719	2,085	10,802	47,613	12,575
54	U. TN all campuses	243,184	126,998	43,895	16,839	43,402	12,050
55	U. of Medicine and Dentistry NJ	236,834	126,101	14,640	17,395	53,969	24,729
56	Wayne State U.	235,186	114,364	12,764	10,992	79,440	17,626
57	U. VA all campuses	230,181	198,274	477	3,891	16,986	10,553
58	U. MO-Columbia	228,654	108,328	18,714	1,937	91,203	8,472
59	U. CT all campuses	224,679	123,513	9,740	8,233	67,443	15,750
60	U. Miami	210,534	147,535	4,611	20,231	12,785	25,372
61	U. KS all campuses	202,129	115,670	4,573	3,318	70,095	8,473
62	Dartmouth C.	192,846	128,164	4,247	6,033	43,057	11,345
63	Yeshiva U.	192,199	147,941	0	1,593	30,821	11,844
64	U. TX Health Science Ctr. Houston	191,724	131,879	13,256	7,861	19,591	19,137
65	FL State U.	189,565	113,681	10,767	1,123	56,317	7,677
66	Wake Forest U.	185,609	141,467	12,096	14,656	5,920	11,470
67	Medical U. SC	184,624	101,402	1,398	11,935	65,003	4,886
68	U. TX Medical Branch	183,492	118,173	7,425	6,659	30,810	20,425
69	U. NM main campus	177,430	123,039	2,141	5,375	43,386	3,489
70	U. OK all campuses	176,825	86,422	15,548	9,964	51,091	13,800
71	U. TX Health Science Ctr. San Antonio	160,282	95,610	5,846	8,622	36,102	14,102
72	U. SC all campuses	158,857	89,000	3,722	3,166	52,600	10,369
73	Medical C. WI	158,171	107,200	685	1,932	33,606	14,748
74	U. MA Worcester	157,469	131,226	0	16,266	1,385	8,592
75	Brown U.	152,619	95,023	391	3,108	49,938	4,159
76	U. Louisville	151,226	76,479	11,437	2,297	41,223	19,790
77	Tulane U.	137,107	98,473	6,718	1,587	11,002	19,327
78	VA Commonwealth U.	134,453	90,137	7,989	9,782	20,915	5,630
79	WV U.	133,590	65,699	4,423	5,331	57,310	827
80	Georgetown U.	131,785	101,853	1,614	3,441	13,872	11,005
81	Tufts U.	130,826	91,379	890	10,027	9,908	18,622
82	George Washington U.	126,110	87,624	2,289	3,098	10,831	22,268
83	U. VT	113,195	90,049	381	6,000	16,102	663
84	U. Central FL	111,595	49,359	4,732	17,619	39,885	0
85	U. AR for Medical Sciences	108,551	60,836	7,105	4,682	21,584	14,344
86	U. MS all campuses	108,244	77,526	432	1,882	23,116	5,288
87	Thomas Jefferson U.	107,288	81,545	6,684	9,153	4,564	5,342
88	Drexel U.	96,575	66,795	4,047	2,403	18,025	5,305
89	U. NV, Reno	95,809	62,713	3,310	1,487	27,717	582
90	FL International U.	90,903	52,141	6,044	5,238	27,480	0
91	Temple U.	85,394	54,452	6,018	5,806	13,747	5,371
92	Rush U.	84,370	39,601	0	11,295	31,866	1,608
93	TX A&M U. System Health Science Ctr.	77,957	35,004	1,378	4,551	23,939	13,085
94	Uniformed Services U. of the Health Sciences	71,307	37,275	0	0	30,561	3,471
95	Southern IL U. Carbondale	64,703	17,724	8,172	7,499	29,888	1,420
96	U. ND all campuses	63,036	44,610	2,618	7,480	7,106	1,222
97	Medical C. GA	60,001	40,609	160	717	13,815	4,700
98	St. Louis U. all campuses	54,265	47,704	536	412	0	5,613
99	U. Toledo	52,448	31,863	3,045	2,157	13,569	1,814
100	Charles R. Drew U. of Medicine and Science ^b	52,118	48,580	922	206	2,410	0

TABLE 36. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
101	Wright State U. all campuses	49,713	22,229	4,530	3,990	17,904	1,060
102	SUNY Upstate Medical U.	39,699	27,933	1,355	2,873	1,157	6,381
103	U. PR Medical Sciences Campus	38,863	31,955	1,724	1,872	3,271	41
104	Howard U.	38,020	33,996	491	2,033	0	1,500
105	Loyola U. Chicago	34,940	24,794	2,823	340	4,163	2,820
106	NY Medical C.	34,365	26,101	627	6,642	170	825
107	Meharry Medical C.	33,218	31,263	0	0	0	1,955
108	Eastern VA Medical School	31,453	20,620	326	3,107	476	6,924
109	SUNY Health Science Ctr. Brooklyn	29,809	23,232	0	1,222	2,974	2,381
110	Creighton U.	28,374	11,716	2,912	9,872	3,383	491
111	Loma Linda U.	28,020	24,666	39	821	1,053	1,441
112	Morehouse School of Medicine	27,886	23,230	1,181	1,378	2,097	0
113	U. MO-Kansas City	26,870	16,542	37	365	8,912	1,014
114	U. South AL	25,883	16,400	237	3,039	6,207	0
115	Marshall U.	22,519	18,412	1,731	179	1,939	258
116	U. SD	21,473	16,683	2,183	0	1,180	1,427
117	TX Tech U. Health Science Ctr.	21,006	8,765	836	1,710	7,720	1,975
118	Mercer U. all campuses	18,096	11,075	177	4,888	1,956	0
119	East Carolina U.	15,970	10,354	2,350	1,929	0	1,337
120	Albany Medical C.	15,029	9,521	270	755	2,917	1,566
121	Rosalind Franklin U. of Medicine and Science	12,199	7,689	0	420	3,217	873
122	Universidad Central del Caribe	9,446	8,672	375	0	398	1
123	Ponce School of Medicine	9,103	6,594	1,230	1,279	0	0
124	East TN State U.	8,020	4,864	1,514	0	174	1,468
125	Northeastern OH Universities C. of Medicine	4,984	2,777	98	49	1,777	283

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

^b M.D. degrees are granted by UCLA through the Drew/UCLA Medical Education program, a partnership between the Charles R. Drew University of Medicine and Science and the University of California, Los Angeles (UCLA), David Geffen School of Medicine.

NOTE: The source for medical schools is the list of accredited M.D.-granting U.S. medical schools approved by the Association of American Medical Colleges.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
	All institutions	15,733,267	8,631,791	1,688,477	880,812	3,732,183	800,004
1	MA Institute of Technology	614,352	476,318	689	81,570	10,213	45,562
2	U. CA, Berkeley	552,365	251,043	41,298	25,361	151,941	82,722
3	TX A&M U.	543,888	228,363	121,498	36,465	146,757	10,805
4	U. TX M. D. Anderson Cancer Ctr.	496,539	190,508	131,884	34,308	78,752	61,087
5	U. IL Urbana-Champaign	473,890	253,612	36,622	12,333	155,044	16,279
6	GA Institute of Technology all campuses	472,591	260,230	12,915	45,651	152,356	1,439
7	U. TX Austin	446,765	289,331	22,120	35,593	76,412	23,309
8	Purdue U. all campuses	415,172	165,637	49,530	55,979	142,272	1,754
9	VA Polytechnic Institute and State U.	366,960	128,796	110,292	17,110	92,708	18,054
10	Scripps Research Institute, The	360,511	267,073	134	14,578	58,371	20,355
11	U. MD College Park	359,760	218,973	20,663	10,869	99,244	10,011
12	U. GA	332,612	103,256	41,851	4,064	172,772	10,669
13	NC State U.	331,662	131,056	88,606	41,585	70,022	393
14	Rutgers, The State U. NJ all campuses	311,612	135,933	33,205	9,599	99,216	33,659
15	SUNY Albany	309,221	105,776	67,074	27,704	91,850	16,817
16	CO State U.	288,497	210,746	12,327	14,681	42,673	8,070
17	CA Institute of Technology	285,488	253,657	2,828	6,315	11,118	11,570
18	Rockefeller U.	233,917	86,728	205	2,574	133,502	10,908
19	AZ State U.	224,352	114,632	24,254	16,205	63,562	5,699
20	IA State U.	217,158	97,112	45,581	11,338	57,924	5,203
21	Clemson U.	211,760	53,905	40,140	12,424	98,858	6,433
22	WA State U.	210,010	78,505	34,476	7,768	80,457	8,804
23	MS State U.	206,207	106,662	29,481	7,496	62,568	0
24	Carnegie Mellon U.	197,143	168,486	4,088	12,980	5,371	6,218
25	U. CA, Santa Barbara	191,204	111,848	3,678	12,941	35,249	27,488
26	OR State U.	189,368	110,267	38,133	3,274	34,661	3,033
27	Princeton U.	188,732	119,171	1,332	4,822	52,392	11,015
28	U. AK Fairbanks all campuses	151,782 e	99,588 i	1,231 i	9,484 i	41,479 i	0 i
29	NM State U. main campus	148,120	100,773	16,018	887	29,187	1,255
30	U. MA Amherst	141,351	71,974	5,638	5,195	48,755	9,789
31	Auburn U. all campuses	140,629	54,949	2,236	4,536	76,470	2,438
32	UT State U.	138,065	89,948	22,303	3,319	18,438	4,057
33	Woods Hole Oceanographic Institution	137,410	112,754	217	1,786	13,994	8,659
34	U. CA, Riverside	128,243	56,129	4,948	5,692	49,140	12,334
35	U. CA, Santa Cruz	124,856	68,204	4,058	3,870	31,980	16,744
36	KS State U.	123,900	47,654	38,223	2,208	28,555	7,260
37	U. CA Office of the President	118,910	256	45,673	596	63,831	8,554
38	U. DE	118,245	82,539	5,363	3,950	22,402	3,991
39	MT State U. Bozeman	116,999	75,765	19,704	4,989	16,541	0
40	U. NH	114,228	81,027	4,469	6,105	16,362	6,265
41	ND State U. all campuses	106,208	45,475	32,791	862	23,183	3,897
42	OK State U. all campuses	101,112	36,958	27,074	4,227	32,069	784
43	U. AR main campus	101,109	37,016	39,754	7,270	15,744	1,325
44	U. ME	96,135	41,963	5,260	2,609	44,127	2,176
45	NJ Institute of Technology	88,699	41,330	5,289	965	29,458	11,657
46	NM Institute of Mining and Technology	83,742	69,050	3,737	5,066	5,839	50
47	U. ID	83,390	46,144	25,037	867	9,673	1,669
48	U. WY	79,700	25,537	6,131	2,326	42,839	2,867
49	U. of Notre Dame	77,467	53,974	1,739	10,046	11,708	0
50	Rensselaer Polytechnic Institute	77,238	48,924	8,057	5,740	12,632	1,885

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
51	U. RI	76,237	52,561	7,703	3,383	12,590	0
52	U. Dayton	74,005	60,089	6,681	4,170	2,002	1,063
53	U. Houston	73,542	40,116	7,466	3,125	18,146	4,689
54	Northeastern U.	71,502	36,028	2,351	10,828	22,295	0
55	U. AL Huntsville, The	70,027	48,415	4,756	7,583	9,273	0
56	Rice U.	69,772	54,301	967	2,260	7,288	4,956
57	U. MD Baltimore County	66,968	49,461	2,161	815	12,465	2,066
58	San Diego State U.	65,810	33,139	6,817	830	17,882	7,142
59	Naval Postgraduate School	63,392	62,434	533	377	0	48
60	U. MD Biotechnology Institute	61,757	30,375	1,403	431	28,682	866
61	U. OR	61,694	49,467	436	765	7,526	3,500
62	George Mason U.	58,252	46,588	563	1,610	4,628	4,863
63	TX Tech U.	57,878	22,874	16,978	4,034	10,744	3,248
64	Brandeis U.	56,831	41,358	0	0	6,248	9,225
65	U. MT-Missoula, The	55,755	33,855	2,798	1,110	15,609	2,383
66	MI Technological U.	55,294	28,193	335	4,507	21,385	874
67	U. NV, Las Vegas	53,049	46,128	2,435	461	4,025	0
68	Old Dominion U.	52,134	25,694	4,399	2,651	19,390	0
69	U. LA Lafayette	52,075	10,712	8,085	0	17,937	15,341
70	GA State U.	51,387	24,569	4,425	957	18,703	2,733
71	C. of William and Mary all campuses	49,854	25,983	3,333	1,097	17,222	2,219
72	Wichita State U.	47,398	18,086	2,493	1,775	24,062	982
73	U. Southern MS	47,135	42,645	1,103	1,926	886	575
74	U. TX Dallas	46,477	17,783	15,319	4,140	2,297	6,938
75	U. Memphis, The	44,359	17,765	3,070	582	21,980	962
76	U. MD Ctr. for Environmental Science	40,720	13,365	4,027	79	19,622	3,627
77	Desert Research Institute	40,238	30,752	3,396	544	2,548	2,998
78	U. WI Milwaukee	40,023	18,368	5,054	1,076	13,540	1,985
79	U. TX El Paso	39,965	21,018	12,274	4,061	2,612	0
80	Boston C.	39,261	20,336	442	1,195	7,925	9,363
81	SD State U.	39,033	16,729	10,595	1,779	2,331	7,599
82	OH U. all campuses	38,671	18,605	3,075	2,853	11,795	2,343
83	Jackson State U.	36,888	30,980	0	358	5,550	0
84	Lehigh U.	36,537	22,116	8,691	2,154	3,102	474
85	Syracuse U. all campuses	36,396	24,894	2,900	1,406	5,628	1,568
86	U. AL, The	36,382	27,744	3,091	2,404	3,143	0
87	SUNY Binghamton	35,462	13,991	2,095	3,602	10,162	5,612
88	U. MA Lowell	34,824	20,045	969	5,222	8,588	0
89	U. Southern ME	34,799	19,656	1,897	25	9,523	3,698
90	San Jose State U.	34,241	22,609	7,597	621	1,319	2,095
91	CUNY The City C.	32,840	21,776	2,150	2,454	5,016	1,444
92	U. TX Arlington	32,734	19,774	1,916	4,625	6,419	0
93	U. TX San Antonio	30,542	20,545	7,858	636	1,503	0
94	U. MO-Rolla	30,395	18,256	19	1,349	8,945	1,826
95	CO School of Mines	29,939	18,248	1,687	10,004	0	0
96	U. North TX Health Science Ctr. Ft. Worth	28,187	19,203	1,452	807	4,704	2,021
97	U. Akron all campuses	27,138	11,210	672	3,239	8,298	3,719
98	CUNY Hunter C.	27,046	15,768	2,376	95	6,717	2,090
99	Southern IL U. Edwardsville	26,904	3,133	1,488	278	21,729	276
100	FL Atlantic U.	26,769	18,037	2,383	1,123	2,919	2,307
101	Brigham Young U. all campuses	26,653	17,118	1,165	4,298	2,809	1,263

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
102	Northern AZ U.	26,566	12,409	5,143	2,529	6,485	0
103	Portland State U.	26,025	17,054	1,788	833	3,300	3,050
104	U. MA Boston	25,952	9,152	1,207	275	11,122	4,196
105	Stevens Institute of Technology	25,684	22,809	525	1,668	682	0
106	NC Agricultural and Technical State U.	24,044	15,362	51	131	8,500	0
107	Hampton U.	24,017	23,836	0	0	181	0
108	SUNY C. of Environmental Science and Forestry	23,854	7,842	1,982	1,147	12,363	520
109	Miami U. all campuses	23,729	8,964	2,082	390	11,500	793
110	IL Institute of Technology	22,955	19,731	363	1,426	1,070	365
111	U. NC Charlotte	22,165	11,887	2,542	6,657	1,079	0
112	U. PR Rio Piedras Campus	21,379	16,114	1	7	5,235	22
113	Rochester Institute of Technology	20,961	13,225	450	2,437	3,688	1,161
114	San Francisco State U.	20,069	11,896	4,959	0	2,198	1,016
115	Catholic U. America, The	19,919	15,324	33	768	3,661	133
116	ID State U.	19,887	11,911	208	3,085	3,966	717
117	U. PR Mayaguez Campus	19,813	11,164	2,498	554	2,837	2,760
118	U. MA Dartmouth	19,538	11,456	2,210	762	4,855	255
119	Kent State U. all campuses	19,001	9,801	921	1,332	6,947	0
120	U. of the VI	17,842	12,561	2,658	2,623	0	0
121	Western MI U.	17,182	10,254	1,242	2,265	2,169	1,252
122	U. NC Wilmington	17,064	11,362	1,207	252	4,243	0
123	Clarkson U.	16,976	7,587	2,566	2,853	3,970	0
124	Air Force Institute of Technology	16,801	6,681	20	26	10,074	0
125	Northern IL U.	16,710	13,034	74	427	3,175	0
126	FL A&M U.	16,541	14,502	962	1,077	0	0
127	Cleveland State U.	15,948	5,097	4,269	392	4,739	1,451
128	U. Tulsa	14,735	7,851	982	5,472	430	0
129	CA State Polytechnic U. San Luis Obispo	14,517	5,391	3,898	1,192	1,541	2,495
130	U.S. Air Force Academy	14,504	14,301	0	203	0	0
131	SD School of Mines and Technology	14,480	11,232	874	233	1,280	861
132	Tuskegee U.	14,329	11,033	0	0	0	3,296
133	Polytechnic U.	14,216	6,329	1,535	3,066	2,286	1,000
134	U. North TX	14,207	7,192	41	655	5,064	1,255
135	LA Tech U.	14,166	4,151	1,050	433	8,433	99
136	CA State U. Long Beach	13,867	11,856	527	656	351	477
137	TX A&M U. Kingsville	13,794	5,067	1,066	199	6,767	695
138	AL A&M U.	13,672	8,467	1,785	38	2,070	1,312
139	Worcester Polytechnic Institute	13,409	9,545	56	1,054	2,429	325
140	Southern Methodist U.	13,381	10,304	126	300	1,918	733
141	Teachers C. Columbia U.	12,585	7,655	0	0	0	4,930
142	TN State U.	12,475	8,475	30	85	3,885	0
143	CA State U. Northridge	12,412	7,339	2,971	90	1,774	238
144	TN Technological U.	12,226	6,076	4,266	249	1,524	111
145	Prairie View A&M U.	12,019	9,217	1,815	108	879	0
146	TX A&M U. Corpus Christi	11,933	6,609	2,908	86	260	2,070
147	Morgan State U.	11,257	9,992	631	313	301	20
148	Boise State U.	10,947	9,924	252	689	82	0
149	U. CA, Merced	10,945	3,119	4,306	165	2,473	882
150	U. MO-St. Louis	10,907	4,240	60	151	6,193	263
151	Villanova U.	10,473	9,077	661	735	0	0
152	Western KY U.	10,402	8,225	644	977	556	0

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
153	CA State U. Los Angeles	10,053	9,819	90	25	0	119
154	U. Denver	9,833	7,694	29	982	719	409
155	Marquette U.	9,744	6,842	84	332	1,533	953
156	U. AR Little Rock	9,683 i	1,140 i	3,469 i	1,697 i	878 i	2,499 i
157	Southwest MO State U.	9,320	8,740	128	184	0	268
158	CUNY Queens C.	9,186	7,238	365	1,237	346	0
159	Tarleton State U.	9,151	4,852	3,475	172	652	0
160	Bowling Green State U. all campuses	9,120	6,299	65	239	1,873	644
161	Alcorn State U.	9,056	7,874	1,182	0	0	0
162	Baylor U.	8,951	2,829	846	1,873	2,444	959
163	Oakland U.	8,872	5,386	48	669	2,640	129
164	Duquesne U.	8,850	3,856	107	50	4,646	191
165	Clark Atlanta U.	8,543	7,905	0	0	482	156
166	CA State U. San Bernardino	8,323	3,553	2,110	1,960	700	0
167	VA State U.	8,170	7,604	186	0	369	11
168	U.S. Military Academy	8,167	7,043	0	42	932	150
169	U.S. Naval Academy	7,973	7,575	0	398	0	0
170	Embry-Riddle Aeronautical U.	7,930	6,419	760	680	0	71
171	U. HI Hilo	7,926	7,610	109	143	9	55
172	Ball State U.	7,913	4,541	111	1,314	1,947	0
173	TX State U. San Marcos	7,890	2,528	2,913	241	1,397	811
174	Wesleyan U.	7,878	5,094	96	34	2,011	643
175	New School, The	7,795	5,922	62	0	0	1,811
176	AR State U. main campus	7,494	4,694	1,961	157	625	57
177	DE State U.	7,418	6,487	354	577	0	0
178	U. AK Anchorage all campuses	7,122	4,967	588	0	0	1,567
179	Humboldt State U.	7,087	2,510	1,951	485	1,202	939
180	U. GU	7,059	6,867	54	138	0	0
181	U. Central AR	7,036	2,034	1,004	2,714	452	832
182	CA State U. Monterey Bay	7,032	3,832	2,982	0	0	218
183	Wheeling Jesuit U.	7,005	5,974	66	26	0	939
184	FL Institute of Technology	6,985	5,570	271	980	0	164
185	Stephen F. Austin State U.	6,957	3,285	1,410	150	1,729	383
186	Nova Southeastern U.	6,697	3,470	1,243	0	90	1,894
187	Norfolk State U.	6,491	5,998	11	0	0	482
188	Western WA U.	6,371	2,910	400	56	2,788	217
189	U. NC Greensboro	6,130	5,256	95	243	119	417
190	CA State U. Dominguez Hills	6,016	4,580	809	137	318	172
191	Fisk U.	6,000	6,000	0	0	0	0
192	Fordham U.	5,908	2,268	273	0	2,073	1,294
193	U. AR Pine Bluff	5,831	3,091	167	16	2,557	0
194	Southern U. and A&M C. all campuses	5,590	4,375	1,139	0	47	29
195	Lincoln U. (Jefferson City, MO)	5,573	4,169	1,404	0	0	0
196	MT Tech of the U. MT	5,537	4,445	800	292	0	0
197	Alfred U. all campuses	5,474	2,002	1,431	1,222	819	0
198	James Madison U.	5,455	3,809	92	0	570	984
199	Morehouse C.	5,445	4,743	0	0	83	619
200	C. Charleston	5,308	4,071	56	0	1,117	64
201	CA State U. Fresno	5,297	2,477	1,332	76	1,260	152
202	U. PR Humacao	5,220	4,930	120	150	20	0
203	U. TX-Pan American	5,217	3,457	1,583	53	35	89

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
204	U. NC Asheville	5,202	3,473	1,118	222	79	310
205	U. DC	5,165	4,002	686	0	470	7
206	CUNY Brooklyn C.	4,960	4,207	0	493	260	0
207	Clark U.	4,899	2,734	0	0	1,398	767
208	CUNY Herbert H. Lehman C.	4,852	3,980	1	420	451	0
209	U. West FL	4,840	4,017	531	0	0	292
210	IL State U.	4,831	3,074	459	433	865	0
211	Rowan U.	4,772	3,102	1,194	113	49	314
212	U. LA Monroe	4,674	1,194	2,869	112	155	344
213	West TX A&M U.	4,638	2,558	1,447	282	0	351
214	Wellesley C.	4,634	3,210	186	49	0	1,189
215	Central MI U.	4,512	1,257	338	254	2,164	499
216	Grand Valley State U.	4,414	463	401	0	2,487	1,063
217	Langston U.	4,405	3,582	823	0	0	0
218	Xavier U. LA	4,394	4,268	109	0	0	17
219	CUNY Graduate Ctr.	4,380	2,431	413	0	65	1,471
220	NC Central U.	4,337	4,337	0	0	0	0
221	CA State U. Fullerton	4,311	3,792	210	188	121	0
222	OR Institute of Technology	4,155	1,593	2	2,560	0	0
223	U. of the Pacific	4,131	908	1,446	1,777	0	0
224	Williams C.	3,983	1,705	0	0	960	1,318
225	TX Christian U.	3,924	3,022	162	647	93	0
226	Bryn Mawr C.	3,881	1,222	13	7	2,639	0
227	U. North FL	3,875	2,535	505	108	303	424
228	SC State U.	3,796	2,587	33	0	364	812
229	Spelman C.	3,741	3,361	0	380	0	0
230	Milwaukee School of Engineering	3,740	1,133	16	2,222	309	60
231	Lamar U.	3,695	1,925	1,579	21	22	148
232	TX Southern U.	3,688	3,651	0	20	0	17
233	St. Francis U. (Loretto, PA)	3,677	3,677	0	0	0	0
234	KY State U.	3,548	3,451	85	12	0	0
235	Gallaudet U.	3,520	3,460	60	0	0	0
236	CA State U. East Bay	3,509	1,652	732	278	265	582
237	Smith C.	3,498	2,858	28	4	254	354
238	CUNY C. Staten Island	3,494	1,256	1,561	471	206	0
239	FL Gulf Coast U.	3,479	2,386	479	0	20	594
240	U. Northern IA	3,455	1,093	1,333	0	956	73
241	U. WI La Crosse	3,414	2,147	372	346	348	201
242	U. MD Eastern Shore	3,408	3,288	12	3	0	105
243	Rose-Hulman Institute of Technology	3,271	532	30	77	0	2,632
244	Albany C. of Pharmacy	3,248	250	1,161	1,726	111	0
245	Mt. Holyoke C.	3,127	1,989	0	0	129	1,009
246	Claremont Graduate U.	3,121	986	60	25	501	1,549
247	Pomona C.	3,108	1,226	0	0	1,808	74
248	U. WI Stevens Point	3,077	1,112	192	39	649	1,085
249	Sul Ross State U.	3,056	1,632	394	0	350	680
250	Eastern MI U.	3,027	1,719	139	434	485	250
251	Long Island U. all campuses	2,969 i	2,102 i	200 i	343 i	221 i	103 i
252	Black Hills State U.	2,935	2,409	353	19	34	120
253	St. Joseph's U.	2,930	2,403	35	0	140	352
254	Amherst C.	2,926	1,100	0	43	1,118	665

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
255	Appalachian State U.	2,912	2,059	113	144	173	423
256	Dillard U.	2,846	1,959	504	0	383	0
257	DePaul U.	2,839	2,284	53	46	194	262
258	CA State U. Chico	2,814 i	1,083 i	1,489 i	115 i	0 i	127 i
259	WV State U.	2,765	1,795	954	16	0	0
260	Barnard C.	2,764	2,511	0	0	46	207
261	La Salle U.	2,758	2,598	4	0	131	25
262	Harvey Mudd C.	2,739	1,231	0	325	532	651
263	American U.	2,713	1,800	0	913	0	0
264	NY Institute of Technology all campuses	2,708	865	462	330	1,051	0
265	Seton Hall U.	2,685	1,551	0	254	0	880
266	St. Cloud State U.	2,656	885	166	822	783	0
267	Ft. Valley State U.	2,610	2,610	0	0	0	0
268	Hope C.	2,603	1,432	0	0	305	866
269	Western Carolina U.	2,602	1,435	541	0	508	118
270	Murray State U.	2,555	642	662	149	1,102	0
271	CUNY York C.	2,550	2,468	0	25	57	0
272	Pittsburg State U.	2,533	1,258	327	843	0	105
273	U. WI Superior	2,501	2,068	0	43	197	193
274	Sam Houston State U.	2,500	1,923	367	22	159	29
275	CA State Polytechnic U. Pomona	2,466	2,466	0	0	0	0
276	Arcadia U.	2,450	426	327	1,697	0	0
277	Central WA U.	2,431	1,909	56	77	241	148
278	Midwestern U. (Chicago, IL)	2,358	801	68	244	1,195	50
279	Macalester C.	2,349	483	0	0	1,561	305
280	Central State U.	2,320	2,263	41	16	0	0
281	Savannah State U.	2,301	2,257	44	0	0	0
282	CUNY John Jay C. of Criminal Justice	2,259	1,509	61	0	65	624
283	SUNY C. of Optometry	2,231	2,164	0	26	11	30
284	Colgate U.	2,217	1,283	0	0	752	182
285	Kettering U.	2,209	1,583	26	509	0	91
286	Bowdoin C.	2,186	1,402	0	442	342	0
287	U. New England	2,154	978	364	0	0	812
288	Fairfield U.	2,148	182	40	136	1,790	0
289	Eastern WA U.	2,136	384	1,391	0	125	236
290	Middle TN State U.	2,135	1,011	102	86	813	123
291	Chicago State U.	2,124	1,993	0	0	131	0
292	Union C. (Schenectady, NY)	2,086	647	203	790	431	15
293	Winston-Salem State U.	2,086 i	2,086 i	0 i	0 i	0 i	0 i
294	Calvin C.	2,063	600	98	129	1,152	84
295	TX Woman's U.	2,047	755	591	11	521	169
296	Lawrence Technological U.	2,001	1,546	257	198	0	0
297	Franklin & Marshall C.	1,993	909	219	0	586	279
298	Bowie State U.	1,960	1,960	0	0	0	0
299	U. Richmond	1,958	1,328	0	538	85	7
300	U. Hartford	1,923	1,059	368	125	288	83
301	Southern CT State U.	1,918	1,249	669	0	0	0
302	Hamilton C. (Clinton, NY)	1,907	932	0	13	679	283
303	Oglala Lakota C.	1,903	1,835	0	0	0	68
304	AL State U.	1,900	1,685	0	5	210	0
305	Elizabeth City State U.	1,892	1,792	100	0	0	0

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
306	Bradley U.	1,860	357	0	1,071	432	0
307	Carleton C.	1,852	1,417	0	35	125	275
308	CA State U. Bakersfield	1,833	584	464	341	215	229
309	Middlebury C.	1,830	1,597	4	51	140	38
310	Shaw U.	1,826	1,826	0	0	0	0
311	U. Northern CO	1,822	1,079	12	5	487	239
312	GA Southern U.	1,789	1,348	238	203	0	0
313	St. John's U. (Jamaica, NY)	1,783	1,478	46	68	44	147
314	Monmouth U.	1,766	1,762	4	0	0	0
315	Morehead State U.	1,758	1,257	46	44	411	0
316	Philadelphia C. of Osteopathic Medicine	1,754	560	14	37	883	260
317	Bucknell U.	1,744	958	42	431	310	3
318	Fayetteville State U.	1,743	1,527	17	51	0	148
319	SUNY C. Geneseo	1,743	1,310	86	0	324	23
320	Santa Clara U.	1,736 i	1,682 i	0 i	0 i	0 i	54 i
321	IN State U. all campuses	1,697	991	0	487	16	203
322	SUNY C. Old Westbury	1,682	1,468	0	27	86	101
323	Tougaloo C.	1,675	1,007	0	0	69	599
324	Occidental C.	1,652	745	6	826	0	75
325	Southeastern LA U.	1,650	1,055	286	69	240	0
326	TX A&M U. Commerce	1,616	305	345	723	73	170
327	Benedict C.	1,604	1,573	25	0	0	6
328	Loyola Marymount U.	1,597	1,082	0	0	384	131
329	PA C. of Optometry	1,587	1,500	49	6	0	32
330	Northern KY U.	1,584	908	125	0	470	81
331	Dowling C.	1,566	1,482	0	7	77	0
332	Western IL U.	1,485	698	499	29	71	188
333	Lafayette C.	1,472	826	23	0	623	0
334	Swarthmore C.	1,449	741	0	0	474	234
335	U. of the Sciences Philadelphia	1,449	478	171	800	0	0
336	Ithaca C.	1,434	1,226	0	0	208	0
337	Wilberforce U.	1,405	1,360	0	45	0	0
338	U. TX Tyler	1,395	937	77	54	120	207
339	Loyola C.	1,373	377	562	0	267	167
340	New England C. of Optometry	1,356	729	0	118	388	121
341	Montclair State U.	1,341	1,087	8	0	174	72
342	Governors State U.	1,336	1,113	223	0	0	0
343	Albany State U.	1,331	952	261	0	0	118
344	Rider U.	1,330	321	6	12	755	236
345	U. WI Eau Claire	1,327	804	14	14	109	386
346	U. IL Springfield	1,321	997	25	21	186	92
347	SUNY C. Buffalo	1,292	810	9	0	329	144
348	Northwestern Health Sciences U.	1,289	1,289	0	0	0	0
349	Kansas City U. of Medicine and Biosciences	1,267	16	0	149	1,063	39
350	Trinity U.	1,244	715	0	516	13	0
351	Reed C.	1,220	658	0	0	188	374
352	Winona State U.	1,216	158	264	108	633	53
353	U. Redlands	1,206	1,173	0	0	0	33
354	SUNY C. Plattsburgh	1,190	973	4	6	179	28
355	Haverford C.	1,182	622	0	0	95	465
356	U. West GA	1,172	708	200	159	105	0

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
357	U. Baltimore	1,169	286	268	118	22	475
358	Colby C.	1,131	723	8	0	264	136
359	Polytechnic U. PR	1,127	285	629	0	213	0
360	Hampshire C.	1,118	476	0	0	0	642
361	Andrews U.	1,108	321	0	2	356	429
362	Towson U.	1,098	820	69	93	57	59
363	U. San Francisco	1,096	513	11	1	307	264
364	Coastal Carolina U.	1,095	818	88	0	135	54
365	SUNY C. Oswego	1,093	903	0	41	115	34
366	U. AK Southeast all campuses	1,087	941	0	0	0	146
367	NM Highlands U.	1,083	782	0	0	0	301
368	Dickinson C.	1,076	312	146	445	173	0
369	St. Olaf C.	1,060	725	16	0	0	319
370	U. WI Oshkosh	1,059	690	47	17	150	155
371	Lewis and Clark C.	1,048	586	0	6	185	271
372	Furman U.	1,042	775	0	0	0	267
373	U. WI Green Bay	1,031	687	41	190	91	22
374	CUNY Baruch C.	1,030	40	615	210	165	0
375	SUNY C. Brockport	1,025	819	89	0	78	39
376	Bates C.	1,020	887	2	5	95	31
377	CT C.	1,020	800	26	48	13	133
378	U.S. Coast Guard Academy	1,020	999	0	0	21	0
379	Northeastern IL U.	1,005	245	200	125	435	0
380	U. TX of the Permian Basin	995	147	145	6	649	48
381	C. of the Holy Cross	987	779	0	28	1	179
382	MN State U. Mankato	964	203	419	17	96	229
383	Trinity C. (Hartford, CT)	951	575	8	14	153	201
384	C. Wooster	944	219	0	0	292	433
385	Claffin U.	929 i	864 i	0 i	0 i	0 i	65 i
386	Nicholls State U.	922	167	206	11	404	134
387	Sinte Gleska U.	913	830	0	0	83	0
388	Western U. of Health Sciences	909	680	0	0	143	86
389	U. Portland	887	373	161	0	27	326
390	Eastern IL U.	885	589	180	34	82	0
391	Southern OR U.	875	447	31	325	63	9
392	Roger Williams U. Bristol	867	790	0	77	0	0
393	IL Wesleyan U.	856	644	13	7	142	50
394	Davidson C.	852	656	59	137	0	0
395	U. Houston-Clear Lake	851	159	581	0	12	99
396	Philadelphia U.	848	776	72	0	0	0
397	MT State U. Billings	846	694	46	26	80	0
398	MS Valley State U.	844	844	0	0	0	0
399	Seattle U.	837 i	505 i	0 i	21 i	148 i	163 i
400	A.T. Still U. of Health Sciences	826	120	0	3	439	264
401	Augustana C. (Sioux Falls, SD)	807	798	0	0	0	9
402	Des Moines U.	796	108	20	4	633	31
403	Pacific U.	793	142	44	514	0	93
404	Allegheny C.	787	278	48	0	279	182
405	Grinnell C.	787	145	0	0	576	66
406	Fuller Theological Seminary CA	780	553	17	0	26	184
407	Oberlin C.	773	639	0	112	22	0

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
408	Mercyhurst C.	767	347	145	34	241	0
409	Valparaiso U.	763	582	43	12	93	33
410	West Chester U. PA	762	699	51	0	0	12
411	Millersville U. PA	753	668	85	0	0	0
412	Evergreen State C.	739	548	0	0	0	191
413	Skidmore C.	726	369	0	233	124	0
414	Pace U. all campuses	718	443	0	0	12	263
415	Christopher Newport U.	709	596	61	52	0	0
416	Chapman U.	706	198	0	57	282	169
417	C. NJ, The	688	49	33	298	308	0
418	Hofstra U.	687	515	0	44	62	66
419	Hobart and William Smith Colleges	685	506	61	0	1	117
420	Saginaw Valley State U.	680	396	1	0	201	82
421	Angelo State U.	678	45	109	0	450	74
422	Claremont McKenna C.	678 i	678 i	0 i	0 i	0 i	0 i
423	Augsburg C.	676	563	0	58	55	0
424	U. San Diego	667	297	23	48	0	299
425	VA Military Institute	659	89	25	444	41	60
426	Bridgewater State C.	657	433	40	0	171	13
427	Eastern OR U.	649	418	5	10	216	0
428	St. Mary's U. (San Antonio, TX)	623	623	0	0	0	0
429	Drake U.	622	294	18	38	131	141
430	Eastern KY U.	614	471	65	31	47	0
431	Youngstown State U.	611	464	54	56	37	0
432	U. Scranton	600	272	204	29	95	0
433	Vassar C.	600	600	0	0	0	0
434	Adelphi U.	594	594	0	0	0	0
435	Truman State U.	593	238	12	11	300	32
436	Millsaps C.	588	588	0	0	0	0
437	MA C. of Pharmacy and Health Sciences	580	196	0	382	1	1
438	National U. of Health Sciences	580	351	0	0	140	89
439	West Liberty State C.	579	310	219	0	50	0
440	Mills C.	575 i	575 i	0 i	0 i	0 i	0 i
441	Sarah Lawrence C.	566	385	0	0	0	181
442	Providence C.	558	483	0	16	48	11
443	Northeastern State U.	554	404	113	0	37	0
444	Simmons C.	551	240	0	17	113	181
445	Kennesaw State U.	548	341	0	127	0	80
446	Pacific Lutheran U.	547	251	0	178	118	0
447	U. WI Platteville	540	46	175	12	212	95
448	U. of St. Thomas (St. Paul, MN)	536	302	0	40	76	118
449	Daemen C.	529	481	0	48	0	0
450	Manhattan C.	527 i	311 i	56 i	160 i	0 i	0 i
451	Central CT State U.	523	485	7	10	2	19
452	Jacksonville State U.	523	371	71	0	81	0
453	Mt. St. Mary's C. (Los Angeles, CA)	515	515	0	0	0	0
454	CUNY Medgar Evers C.	512	495	0	0	17	0
455	Muhlenberg C.	511	384	0	0	19	108
456	Northern MI U.	500	143	11	34	273	39
457	SUNY C. Cortland	480	237	71	65	107	0
458	U. Detroit Mercy	480 i	227 i	56 i	117 i	77 i	3 i

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
459	Ursinus C.	472	272	165	18	0	17
460	Jacksonville U.	466	153	174	122	17	0
461	U. Puget Sound	453	381	0	0	7	65
462	Lincoln U. (Lincoln University, PA)	450	450	0	0	0	0
463	Siena C.	447 i	415 i	0 i	0 i	0 i	32 i
464	Coe C.	445	228	14	12	143	48
465	Wabash C.	445	241	1	0	164	39
466	Rhodes C.	432	421	0	11	0	0
467	Grambling State U.	428	428	0	0	0	0
468	Sweet Briar C.	428	151	0	0	208	69
469	Gettysburg C.	427	315	0	39	73	0
470	Carlos Albizu U. (San Juan, PR)	418	202	0	0	216	0
471	Universidad del Turabo	417	417	0	0	0	0
472	St. Mary's C. MD	415	76	151	0	0	188
473	U. PR Cayey	411	411	0	0	0	0
474	Indiana U. PA all campuses	410	246	10	3	122	29
475	Loyola U. New Orleans	408	206	61	0	71	70
476	Sonoma State U.	408	280	25	0	22	81
477	Universidad del Este	407	407	0	0	0	0
478	U. Central OK	406	308	98	0	0	0
479	LeTourneau U.	405	189	0	96	12	108
480	Roanoke C.	402	26	12	0	364	0
481	Bluefield State C.	401	396	0	0	0	5
482	Mercy C.	401	401	0	0	0	0
483	Lake Forest C.	386	76	0	30	280	0
484	Willamette U.	377	87	0	0	290	0
485	OH Wesleyan U.	376	263	0	0	113	0
486	Hendrix C.	375	369	0	0	6	0
487	Northwestern State U.	371	0	219	0	77	75
488	Southeastern OK State U.	360	332	15	4	9	0
489	U. WI Stout	360	175	58	5	117	5
490	Point Loma Nazarene C.	358	348	10	0	0	0
491	U. New Haven	353	332	0	21	0	0
492	WV School of Osteopathic Medicine	349	0	0	0	349	0
493	Juniata C.	332	181	8	143	0	0
494	U. NC Pembroke	329	319	10	0	0	0
495	Washington and Lee U.	329	246	0	83	0	0
496	AR Tech U.	327 i	171 i	32 i	11 i	109 i	4 i
497	Western CT State U.	324	221	93	0	10	0
498	Denison U.	321	156	0	85	80	0
499	SUNY Fredonia	318	8	64	0	75	171
500	McNeese State U.	316	140	80	13	63	20
501	Lawrence U.	301	254	0	0	47	0
502	Southern Polytechnic State U.	300	272	15	13	0	0
503	Wilkes U.	300	108	154	38	0	0
504	Whitman C.	299	277	0	0	0	22
505	John Carroll U.	298	293	0	5	0	0
506	U. WI River Falls	287	150	29	9	64	35
507	Maharishi U. of Management	280	280	0	0	0	0
508	Bard C.	278 i	278 i	0 i	0 i	0 i	0 i
509	Cheyney U. PA	274	166	108	0	0	0

TABLE 37. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2007
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
510	Abilene Christian U.	269	194	0	1	36	38
511	Pitzer C.	268	116	0	0	152	0
512	Southwestern OK State U.	266	230	10	26	0	0
513	Universidad Metropolitana	248	248	0	0	0	0
514	Troy U. main campus	246	181	15	0	50	0
515	Ft. Lewis C.	243	147	0	37	7	52
516	Berry C.	240 i	174 i	4 i	9 i	7 i	46 i
517	Kalamazoo C.	239	114	0	0	118	7
518	Mayville State U.	224	224	0	0	0	0
519	U. WI Whitewater	223	180	0	0	25	18
520	DePauw U.	221 i	221 i	0 i	0 i	0 i	0 i
521	U. WI Parkside	218	84	15	19	53	47
522	Goucher C.	217	216	0	1	0	0
523	Augustana C. (Rock Island, IL)	212 i	90 i	0 i	18 i	100 i	4 i
524	Heritage U. (Toppenish, WA)	210	210	0	0	0	0
525	Miles C.	197	197	0	0	0	0
526	U. of the South	190	13	1	0	31	145
527	CA State U. Sacramento	183	163	0	0	10	10
528	U. Houston-Downtown	175	123	43	0	7	2
529	Gustavus Adolphus C.	173	102	0	45	26	0
530	Cooper Union	171	0	0	78	0	93
531	Canisius C.	163	76	0	10	77	0
532	Southern U. New Orleans	154	154	0	0	0	0
533	CO State U. Pueblo	151	55	0	0	96	0
534	Edward Waters C.	150 i	0 i	18 i	24 i	62 i	46 i
535	Fairleigh Dickinson U. all campuses	150 i	0 i	12 i	31 i	63 i	44 i
536	Seattle Pacific U.	150 i	10 i	16 i	23 i	58 i	43 i
537	William Paterson U. NJ	150 i	97 i	20 i	6 i	20 i	7 i

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

NOTES: The source for medical schools is the list of accredited M.D.-granting U.S. medical schools approved by the Association of American Medical Colleges. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	49,430,767	2,725,120	29,763,889	1,988,431	3,842,391	863,358	1,781,410	949,278	7,516,890
1	Johns Hopkins U., The ^a	1,554,103	42,422	692,380	105,521	129,480	6,196	3,905	38,977	535,222
2	U. CA, San Francisco	842,840	0	820,239	0	22,601	0	0	0	0
3	U. WI Madison	840,672	77,397	541,332	20,881	56,304	9,769	41,626	77	93,286
4	U. CA, Los Angeles	823,083	10,083	612,248	21,444	64,325	11,718	36,093	14,572	52,600
5	U. MI all campuses	808,731	11,897	480,044	12,320	38,241	10,301	93,719	471	161,738
6	U. CA, San Diego	798,896	132,814	446,301	59,555	51,646	7,799	11,522	1,382	87,877
7	Duke U.	781,843	14,772	669,354	10,655	18,842	2,847	25,470	0	39,903
8	U. WA	756,787	91,765	513,821	6,900	34,067	9,933	19,216	0	81,085
9	OH State U. all campuses	720,206	9,896	397,652	41,802	27,428	5,835	46,746	30,494	160,353
10	Stanford U.	687,511	23,208	407,985	27,490	64,642	7,983	13,407	0	142,796
11	PA State U. all campuses	652,144	55,506	202,986	52,812	56,783	22,594	25,606	516	235,341
12	U. PA	648,247	750	525,729	9,919	29,279	6,173	33,059	12,125	31,213
13	Cornell U. all campuses	641,936	6,457	409,577	26,978	86,822	4,994	29,431	0	77,677
14	U. MN all campuses	624,149	13,953	455,889	24,528	24,961	13,508	27,786	0	63,524
15	MA Institute of Technology	614,352	26,227	191,916	50,660	99,257	968	6,405	22,444	216,475
16	U. CA, Davis	600,508	28,464	441,417	10,557	23,445	2,849	22,074	6,068	65,634
17	U. FL	592,835	10,113	418,136	9,768	30,751	13,071	16,701	0	94,295
18	Washington U. St. Louis	572,775	5,526	515,165	7,796	14,540	5,367	7,216	46	17,119
19	U. Pittsburgh all campuses	558,566	1,351	489,305	6,798	17,550	6,538	3,684	12,734	20,606
20	U. CA, Berkeley	552,365	10,574	174,792	7,876	96,153	10,268	54,474	45,476	152,752
21	Columbia U. in the City of NY	545,995	55,503	380,740	11,049	30,645	3,973	17,554	5,462	41,069
22	TX A&M U.	543,888	112,571	188,462	15,257	39,200	2,931	11,729	9,304	164,434
23	U. AZ	531,753	13,265	275,212	6,824	152,825	5,645	19,747	0	58,235
24	U. CO all campuses	527,587	90,889	294,574	10,793	65,229	15,229	7,141	974	42,758
25	U. Southern CA	508,138	18,778	321,959	86,719	13,972	6,824	7,716	1,070	51,100
26	U. TX M. D. Anderson Cancer Ctr.	496,539	0	434,713	22,426	10,149	19,741	6,436	0	3,074
27	U. NC Chapel Hill	477,231	22,030	371,745	14,080	25,471	6,813	37,092	0	0
28	U. IL Urbana-Champaign	473,890	38,715	138,193	77,798	56,747	12,723	21,043	3,717	124,954
29	GA Institute of Technology all campuses	472,591	15,847	19,675	60,826	36,562	5,447	18,880	5,368	309,986
30	Harvard U.	451,276	27,733	314,166	4,420	52,487	7,329	23,554	0	21,587
31	Yale U.	448,671	4,465	397,064	4,828	20,967	5,935	2,281	0	13,131
32	U. TX Austin	446,765	43,269	50,210	64,487	87,693	9,108	26,486	9,544	155,968
33	Northwestern U.	443,345	2,053	316,703	4,170	28,268	3,820	9,610	11,880	66,841
34	Baylor C. of Medicine	438,280	0	438,280	0	0	0	0	0	0
35	Purdue U. all campuses	415,172	5,547	182,894	15,469	29,026	3,736	19,163	5,834	153,503
36	Vanderbilt U.	399,149	618	320,632	1,401	17,330	10,647	5,248	6,149	37,124

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
37	Emory U.	398,383	0	362,271	1,075	17,198	2,377	3,101	694	11,667
38	U. Cincinnati all campuses	375,852	879	322,426	1,000	8,779	1,716	4,606	973	35,473
39	U. Rochester	373,247	1,004	246,393	2,699	11,315	14,115	218	320	97,183
40	LA State U. all campuses	372,421	33,732	242,931	6,371	24,687	1,608	6,867	13,788	42,437
41	Case Western Reserve U.	372,374	1,177	316,777	981	8,727	1,249	5,778	0	37,685
42	VA Polytechnic Institute and State U.	366,960	7,910	167,765	13,411	18,638	3,840	8,376	618	146,402
43	U. IA	363,243	1,723	284,969	2,610	20,462	8,102	7,932	622	36,823
44	MI State U.	360,852	1,020	219,429	9,390	60,293	5,114	31,722	1,068	32,816
45	Scripps Research Institute, The	360,511	0	360,511	0	0	0	0	0	0
46	U. MD College Park	359,760	14,422	66,733	40,346	65,454	4,399	80,537	0	87,869
47	U. MD Baltimore	358,851	0	358,851	0	0	0	0	0	0
48	U. AL Birmingham, The	351,457	0	333,758	2,801	4,399	3,199	377	0	6,923
49	U. IL Chicago	342,421	1,252	268,553	15,432	12,008	5,926	10,471	8,533	20,246
50	U. TX Southwestern Medical Ctr. Dallas	341,090	0	341,090	0	0	0	0	0	0
51	U. NE all campuses	336,468	5,002	220,180	13,123	15,332	12,718	15,582	19,746	34,785
52	U. GA	332,612	13,491	231,955	8,686	15,685	14,958	39,957	0	7,880
53	NC State U.	331,662	14,700	168,872	21,805	18,833	63	12,644	3,631	91,114
54	U. KY all campuses	331,606	2,862	240,818	9,194	8,449	8,026	7,244	8,101	46,912
55	U. Chicago	322,488	6,414	232,868	26,224	46,682	6,081	4,219	0	0
56	SUNY Buffalo all campuses	314,837	2,756	213,681	11,217	16,134	9,216	5,945	340	55,548
57	Rutgers, The State U. NJ all campuses	311,612	28,785	157,977	18,642	37,734	12,573	25,226	1,664	29,011
58	U. CA, Irvine	309,554	5,492	207,120	13,874	33,047	4,279	10,551	1,238	33,953
59	SUNY Albany	309,221	4,465	102,740	2,054	64,005	2,137	8,755	0	125,065
60	NY U.	297,867	0	237,400	15,233	11,625	17,450	13,881	2,278	0
61	IN U. all campuses	294,981	3,666	202,703	12,918	32,124	11,803	23,789	3,314	4,664
62	CO State U.	288,497	94,391	117,891	4,621	11,710	2,723	3,922	25,957	27,282
63	OR Health & Science U.	287,430	0	244,734	20,850	0	0	0	21,846	0
64	CA Institute of Technology	285,488	16,044	47,522	12,519	162,934	0	0	135	46,334
65	U. South FL	272,661	29,032	188,046	861	5,585	4,816	9,544	426	34,351
66	Mt. Sinai School of Medicine	269,451	0	269,451	0	0	0	0	0	0
67	SUNY Stony Brook all campuses	268,282	24,042	107,738	12,787	33,050	8,664	5,190	40,200	36,611
68	U. HI Manoa	266,447	65,677	90,518	34,181	40,124	863	6,354	19,470	9,260
69	Boston U.	249,279	4,774	158,473	3,204	26,115	9,058	1,188	20,013	26,454
70	U. UT	247,794	7,912	164,893	18,589	19,963	2,155	1,392	0	32,890
71	U. TN all campuses	243,184	4,207	140,018	9,484	15,842	1,044	9,187	13,301	50,101
72	U. of Medicine and Dentistry NJ	236,834	0	236,834	0	0	0	0	0	0
73	Wayne State U.	235,186	149	187,060	2,877	15,975	4,880	5,584	2,041	16,620

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
74	Rockefeller U.	233,917	0	216,284	8,754	8,875	0	4	0	0
75	U. VA all campuses	230,181	4,418	159,765	7,097	15,795	5,949	772	1,096	35,289
76	U. MO-Columbia	228,654	1,977	169,206	3,615	8,452	6,832	12,635	0	25,937
77	U. CT all campuses	224,679	8,486	161,722	3,395	8,085	15,848	5,737	4,622	16,784
78	AZ State U.	224,352	13,553	53,252	18,129	16,249	11,263	20,536	5,712	85,658
79	IA State U.	217,158	7,051	111,538	13,558	11,026	855	17,234	3,542	52,354
80	Clemson U.	211,760	0	57,090	6,944	11,975	1,437	12,422	10,064	111,828
81	U. Miami	210,534	49,346	146,063	466	2,365	7,751	1,543	0	3,000
82	WA State U.	210,010	2,887	129,984	1,565	16,592	2,295	20,259	13,671	22,757
83	MS State U.	206,207	9,150	105,564	10,384	7,833	4,478	7,100	5,270	56,428
84	U. KS all campuses	202,129	14,235	146,357	1,034	9,131	729	10,504	1,738	18,401
85	Carnegie Mellon U.	197,143	1,445	6,865	102,933	10,367	7,501	8,051	3,052	56,929
86	Dartmouth C.	192,846	1,095	140,106	5,896	7,325	4,138	773	14,084	19,429
87	Yeshiva U.	192,199	0	192,199	0	0	0	0	0	0
88	U. TX Health Science Ctr. Houston	191,724	0	191,724	0	0	0	0	0	0
89	U. CA, Santa Barbara	191,204	28,111	6,338	12,966	35,468	5,692	8,266	10,585	83,778
90	FL State U.	189,565	22,816	30,293	11,111	58,626	16,759	17,037	219	32,704
91	OR State U.	189,368	39,634	108,754	5,659	3,833	391	3,017	5,278	22,802
92	Princeton U.	188,732	18,373	38,002	15,095	36,754	9,292	19,139	0	52,077
93	Wake Forest U.	185,609	0	181,642	554	2,874	248	291	0	0
94	Medical U. SC	184,624	0	184,470	0	0	0	0	0	154
95	U. TX Medical Branch	183,492	0	181,249	0	0	0	0	0	2,243
96	U. NM main campus	177,430	5,411	104,285	4,836	15,551	8,782	6,973	14,574	17,018
97	U. OK all campuses	176,825	33,058	100,945	1,759	11,742	2,690	6,490	0	20,141
98	U. TX Health Science Ctr. San Antonio	160,282	0	160,282	0	0	0	0	0	0
99	U. SC all campuses	158,857	33,752	41,304	4,777	18,316	10,922	9,574	15,128	25,084
100	Medical C. WI	158,171	0	158,171	0	0	0	0	0	0
101	U. MA Worcester	157,469	0	157,469	0	0	0	0	0	0
102	Brown U.	152,619	7,535	79,473	19,088	14,204	1,676	11,366	0	19,277
103	U. AK Fairbanks all campuses	151,782 e	80,102 i	33,230 i	6,176 i	1 i	277 i	877 i	11,960 i	19,159 i
104	U. Louisville	151,226	306	120,424	1,408	5,525	4,729	1,528	855	16,451
105	NM State U. main campus	148,120	780	37,046	2,378	15,265	3,495	2,698	4,753	81,705
106	U. MA Amherst	141,351	3,956	50,796	20,529	12,809	5,560	4,421	550	42,730
107	Auburn U. all campuses	140,629	2,307	75,450	232	5,498	899	5,918	11,738	38,587
108	UT State U.	138,065	10,172	44,797	1,754	2,896	3,157	3,439	12,030	59,820
109	Woods Hole Oceanographic Institution	137,410	110,899	0	0	0	0	0	0	26,511
110	Tulane U.	137,107	670	122,855	1,560	2,619	441	3,689	0	5,273

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
111	VA Commonwealth U.	134,453	742	111,746	1,792	4,876	3,209	7,761	0	4,327
112	WV U.	133,590	6,894	85,132	1,142	4,800	756	2,878	3,860	28,128
113	Georgetown U.	131,785	0	120,423	267	2,541	1,182	7,372	0	0
114	Tufts U.	130,826	843	104,040	1,378	5,176	4,839	5,764	0	8,786
115	U. CA, Riverside	128,243	15,074	68,274	3,355	8,390	2,517	2,332	1,585	26,716
116	George Washington U.	126,110	3	49,146	53,164	3,690	2,153	7,390	815	9,749
117	U. CA, Santa Cruz	124,856	22,427	14,626	3,662	41,950	1,690	4,710	255	35,536
118	KS State U.	123,900	442	81,631	2,614	8,495	907	4,704	5,657	19,450
119	U. CA Office of the President	118,910	16,990	52,342	2,294	19,775	0	175	27,048	286
120	U. DE	118,245	12,388	29,165	3,639	15,157	3,366	6,490	5,002	43,038
121	MT State U. Bozeman	116,999	1,918	69,880	1,053	14,810	48	2,826	10,178	16,286
122	U. NH	114,228	55,684	23,542	1,092	3,605	208	5,903	1,411	22,783
123	U. VT	113,195	527	98,031	1,328	799	2,010	165	7,612	2,723
124	U. Central FL	111,595	16,494	5,597	768	38,035	1,480	1,948	18,202	29,071
125	U. AR for Medical Sciences	108,551	0	108,551	0	0	0	0	0	0
126	U. MS all campuses	108,244	7,129	77,154	172	16,873	44	723	0	6,149
127	Thomas Jefferson U.	107,288	0	107,288	0	0	0	0	0	0
128	ND State U. all campuses	106,208	225	58,444	713	14,989	2,383	12,324	5,183	11,947
129	OK State U. all campuses	101,112	1,931	62,334	1,075	6,075	597	5,475	6,216	17,409
130	U. AR main campus	101,109	2,116	59,797	502	13,241	435	3,630	0	21,388
131	Drexel U.	96,575	0	46,819	8,312	3,086	1,698	0	0	36,660
132	U. ME	96,135	20,872	35,016	2,972	4,131	1,521	7,243	6,724	17,656
133	U. NV, Reno	95,809	10,760	45,392	1,062	11,640	1,143	601	12,382	12,829
134	FL International U.	90,903	5,032	25,765	5,913	6,537	1,943	6,313	18,904	20,496
135	NJ Institute of Technology	88,699	0	0	10,051	13,941	0	1,308	12,413	50,986
136	Temple U.	85,394	61	63,124	1,443	5,619	9,223	2,373	0	3,551
137	Rush U.	84,370	0	82,539	0	0	1,831	0	0	0
138	NM Institute of Mining and Technology	83,742	240	290	749	21,482	89	0	6,382	54,510
139	U. ID	83,390	4,602	52,689	1,693	3,348	18	3,438	2,846	14,756
140	U. WY	79,700	11,411	38,911	1,274	5,707	793	2,413	8,873	10,318
141	TX A&M U. System Health Science Ctr.	77,957	436	76,983	15	0	31	15	0	477
142	U. of Notre Dame	77,467	0	16,863	3,797	19,978	3,854	4,999	11,737	16,239
143	Rensselaer Polytechnic Institute	77,238	1,692	4,352	6,623	12,568	1,711	231	0	50,061
144	U. RI	76,237	26,520	25,456	634	852	746	19	14,624	7,386
145	U. Dayton	74,005	57	1,873	494	549	25	19	679	70,309
146	U. Houston	73,542	3,633	15,991	7,983	8,998	15,948	4,693	0	16,296
147	Northeastern U.	71,502	375	19,596	3,197	15,576	2,135	4,790	0	25,833

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
148	Uniformed Services U. of the Health Sciences	71,307	0	64,988	0	0	6,319	0	0	0
149	U. AL Huntsville, The	70,027	11,470	1,161	11,179	9,368	658	1,481	0	34,710
150	Rice U.	69,772	2,167	10,474	10,885	16,908	643	641	0	28,054
151	U. MD Baltimore County	66,968	27,373	5,455	5,382	8,211	2,248	6,924	2,755	8,620
152	San Diego State U.	65,810	3,775	23,791	1,923	3,940	11,055	5,913	3,849	11,564
153	Southern IL U. Carbondale	64,703	1,322	41,002	795	3,535	1,189	2,943	2,981	10,936
154	Naval Postgraduate School	63,392	16,684	0	12,560	5,478	0	4,835	11,981	11,854
155	U. ND all campuses	63,036	11,128	17,444	119	1,392	127	382	1,370	31,074
156	U. MD Biotechnology Institute	61,757	14,058	47,699	0	0	0	0	0	0
157	U. OR	61,694	2,662	26,694	3,452	13,089	7,896	6,941	0	960
158	Medical C. GA	60,001	0	60,001	0	0	0	0	0	0
159	George Mason U.	58,252	9,522	6,461	10,038	2,695	2,825	22,201	0	4,510
160	TX Tech U.	57,878	6,331	18,880	1,566	6,227	572	6,802	750	16,750
161	Brandeis U.	56,831	0	27,422	1,808	6,900	3,345	17,356	0	0
162	U. MT-Missoula, The	55,755	2,164	37,807	1,182	4,236	470	2,017	7,879	0
163	MI Technological U.	55,294	12,428	923	3,002	3,312	0	1,034	1,446	33,149
164	St. Louis U. all campuses	54,265	746	51,432	40	909	235	355	4	544
165	U. NV, Las Vegas	53,049	18,846	5,912	1,806	8,802	171	879	0	16,633
166	U. Toledo	52,448	2,685	28,700	115	7,605	343	269	405	12,326
167	Old Dominion U.	52,134	5,094	6,250	3,695	6,481	1,913	4,358	0	24,343
168	Charles R. Drew U. of Medicine and Science	52,118	0	52,118	0	0	0	0	0	0
169	U. LA Lafayette	52,075	137	28,555	10,486	982	2,681	1,080	4,034	4,120
170	GA State U.	51,387	294	22,473	1,386	8,418	4,772	12,571	1,473	0
171	C. of William and Mary all campuses	49,854	34,262	2,283	696	4,747	564	1,863	5,439	0
172	Wright State U. all campuses	49,713	780	29,416	7,320	3,239	1,084	140	590	7,144
173	Wichita State U.	47,398	57	5,515	936	2,065	2,535	1,072	0	35,218
174	U. Southern MS	47,135	15,147	7,620	320	13,153	307	506	9,530	552
175	U. TX Dallas	46,477	497	5,782	7,196	7,100	2,833	1,841	1,879	19,349
176	U. Memphis, The	44,359	4,835	6,859	4,080	2,148	8,491	8,999	1,879	7,068
177	U. MD Ctr. for Environmental Science	40,720	40,720	0	0	0	0	0	0	0
178	Desert Research Institute	40,238	38,402	1,490	0	0	0	346	0	0
179	U. WI Milwaukee	40,023	8,209	8,515	1,382	7,932	1,221	4,814	2,704	5,246
180	U. TX El Paso	39,965	5,370	16,766	2,761	5,012	751	1,443	32	7,830
181	SUNY Upstate Medical U.	39,699	0	39,699	0	0	0	0	0	0
182	Boston C.	39,261	8,114	5,611	5,853	8,943	1,711	9,029	0	0
183	SD State U.	39,033	1,321	31,401	27	1,847	0	1,144	0	3,293
184	U. PR Medical Sciences Campus	38,863	0	38,863	0	0	0	0	0	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
185	OH U. all campuses	38,671	1,246	9,701	1,160	5,560	1,373	1,606	0	18,025
186	Howard U.	38,020	0	28,407	221	3,640	0	0	1,105	4,647
187	Jackson State U.	36,888	3,946	9,602	5,551	5,782	492	244	7,872	3,399
188	Lehigh U.	36,537	837	1,535	1,594	6,139	275	223	0	25,934
189	Syracuse U. all campuses	36,396	3,194	2,600	8,510	6,159	5,403	2,613	1	7,916
190	U. AL, The	36,382	1,377	4,243	7,705	3,845	1,685	2,163	150	15,214
191	SUNY Binghamton	35,462	1,077	2,500	3,056	2,677	4,401	5,925	32	15,794
192	Loyola U. Chicago	34,940	0	33,473	0	336	714	417	0	0
193	U. MA Lowell	34,824	3,691	4,814	1,409	8,665	386	2,303	0	13,556
194	U. Southern ME	34,799	1,398	17,668	619	23	81	13,897	999	114
195	NY Medical C.	34,365	0	34,365	0	0	0	0	0	0
196	San Jose State U.	34,241	16,678	591	1,833	2,831	7,910	332	1,322	2,744
197	Meharry Medical C.	33,218	0	33,218	0	0	0	0	0	0
198	CUNY The City C.	32,840	346	7,511	773	9,701	301	52	0	14,156
199	U. TX Arlington	32,734	370	1,648	2,186	7,170	1,434	297	0	19,629
200	Eastern VA Medical School	31,453	0	31,453	0	0	0	0	0	0
201	U. TX San Antonio	30,542	776	15,963	3,630	2,484	110	4,698	0	2,881
202	U. MO-Rolla	30,395	2,390	610	356	2,734	67	18	0	24,220
203	CO School of Mines	29,939	1,935	0	277	6,514	0	37	4,983	16,193
204	SUNY Health Science Ctr. Brooklyn	29,809	0	29,809	0	0	0	0	0	0
205	Creighton U.	28,374	79	27,746	0	482	35	0	32	0
206	U. North TX Health Science Ctr. Ft. Worth	28,187	0	28,187	0	0	0	0	0	0
207	Loma Linda U.	28,020	0	27,887	0	0	0	133	0	0
208	Morehouse School of Medicine	27,886	0	27,886	0	0	0	0	0	0
209	U. Akron all campuses	27,138	201	2,311	442	13,464	92	3,558	0	7,070
210	CUNY Hunter C.	27,046	1,659	10,258	550	5,835	6,066	2,560	118	0
211	Southern IL U. Edwardsville	26,904	1,961	17,982	765	1,376	0	299	1,908	2,613
212	U. MO-Kansas City	26,870	0	22,225	74	2,237	1,122	503	0	709
213	FL Atlantic U.	26,769	1,158	6,310	2,615	1,594	943	991	2,879	10,279
214	Brigham Young U. all campuses	26,653	348	7,660	1,548	3,140	691	2,005	0	11,261
215	Northern AZ U.	26,566	4,649	18,327	151	1,155	71	990	94	1,129
216	Portland State U.	26,025	2,827	5,833	2,711	2,253	937	6,201	747	4,516
217	U. MA Boston	25,952	2,839	5,517	1,971	524	4,132	7,956	2,916	97
218	U. South AL	25,883	3,828	18,098	230	609	586	907	0	1,625
219	Stevens Institute of Technology	25,684	4,279	2,242	1,311	1,220	0	0	1,302	15,330
220	NC Agricultural and Technical State U.	24,044	0	12,420	495	1,623	0	93	12	9,401
221	Hampton U.	24,017	15,945	1,203	350	2,320	0	0	2,956	1,243

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
222	SUNY C. of Environmental Science and Forestry	23,854	4,367	11,257	0	2,262	0	17	0	5,951
223	Miami U. all campuses	23,729	676 i	5,537 i	0 i	6,260 i	1,613 i	3,976 i	4,979 i	688 i
224	IL Institute of Technology	22,955	0	9,462	2,296	3,561	920	0	0	6,716
225	Marshall U.	22,519	105	13,939	25	743	0	0	447	7,260
226	U. NC Charlotte	22,165	1,231	3,472	6,441	1,253	503	1,260	0	8,005
227	U. SD	21,473	2	18,354	245	1,840	116	916	0	0
228	U. PR Rio Piedras Campus	21,379	2,510	2,810	366	11,436	1,138	2,666	116	337
229	TX Tech U. Health Science Ctr.	21,006	0	21,006	0	0	0	0	0	0
230	Rochester Institute of Technology	20,961	1,261	1,933	357	8,379	154	234	0	8,643
231	San Francisco State U.	20,069	6,892	5,944	162	2,935	1,658	2,236	0	242
232	Catholic U. America, The	19,919	0	1,616	0	16,309	332	234	0	1,428
233	ID State U.	19,887	1,781	6,948	614	6,724	8	733	1,519	1,560
234	U. PR Mayaguez Campus	19,813	5,199	601	481	3,560	0	210	0	9,762
235	U. MA Dartmouth	19,538	10,116	1,228	1,411	1,822	52	301	0	4,608
236	Kent State U. all campuses	19,001	381	3,828	1,025	9,826	2,822	1,118	0	1
237	Mercer U. all campuses	18,096	0	3,590	0	70	0	1	0	14,435
238	U. of the VI	17,842	0	6,283	0	0	0	6,278	5,281	0
239	Western MI U.	17,182	1,254	3,646	3,326	3,247	262	528	0	4,919
240	U. NC Wilmington	17,064	10,052	4,866	90	767	1,055	151	83	0
241	Clarkson U.	16,976	0	684	417	3,853	5	2	0	12,015
242	Air Force Institute of Technology	16,801	40	0	3,377	5,421	0	0	0	7,963
243	Northern IL U.	16,710	2,092	3,380	598	4,949	2,029	559	0	3,103
244	FL A&M U.	16,541	2,751	8,733	254	1,646	62	0	176	2,919
245	East Carolina U.	15,970	1,058	11,852	155	964	173	1,326	127	315
246	Cleveland State U.	15,948	260	2,433	5	564	47	8,092	0	4,547
247	Albany Medical C.	15,029	0	15,029	0	0	0	0	0	0
248	U. Tulsa	14,735	216	794	2,956	1,368	629	894	0	7,878
249	CA State Polytechnic U. San Luis Obispo	14,517	3,939	4,032	1,400	404	8	65	2,632	2,037
250	U.S. Air Force Academy	14,504	0	330	713	2,760	354	700	1,836	7,811
251	SD School of Mines and Technology	14,480	2,062	0	10	304	0	0	0	12,104
252	Tuskegee U.	14,329	0	9,743	0	287	0	2,866	0	1,433
253	Polytechnic U.	14,216	0	0	3,163	3,172	0	329	0	7,552
254	U. North TX	14,207	1,154	3,348	1,065	3,502	342	1,070	0	3,726
255	LA Tech U.	14,166	225	2,610	1,687	1,782	304	482	0	7,076
256	CA State U. Long Beach	13,867	233	3,028	169	1,274	1,193	54	537	7,379
257	TX A&M U. Kingsville	13,794	978	9,074	225	249	0	0	88	3,180
258	AL A&M U.	13,672	0	7,900	0	2,600	0	1	2,389	782

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
259	Worcester Polytechnic Institute	13,409	0	921	2,534	1,040	0	18	0	8,896
260	Southern Methodist U.	13,381	2,966	1,997	1,011	3,286	1,127	580	457	1,957
261	Teachers C. Columbia U.	12,585	0	1,981	29	0	4,352	6,223	0	0
262	TN State U.	12,475	0	8,459	230	1,243	7	0	0	2,536
263	CA State U. Northridge	12,412	1,046	1,075	1,074	2,090	3,814	197	1,986	1,130
264	TN Technological U.	12,226	15	747	505	871	187	7	0	9,894
265	Rosalind Franklin U. of Medicine and Science	12,199	0	11,468	0	0	731	0	0	0
266	Prairie View A&M U.	12,019	0	7,440	135	1,701	3	1	0	2,739
267	TX A&M U. Corpus Christi	11,933	5,996	3,544	1,485	297	0	62	396	153
268	Morgan State U.	11,257	0	2,632	1,341	346	0	1,088	0	5,850
269	Boise State U.	10,947	1,083	3,715	59	544	6	558	0	4,982
270	U. CA, Merced	10,945	1,083	2,891	362	1,774	0	912	0	3,923
271	U. MO-St. Louis	10,907	0	3,776	292	2,855	614	3,370	0	0
272	Villanova U.	10,473	0	673	3,460	1,413	68	86	0	4,773
273	Western KY U.	10,402	1,004	1,885	87	7,026	274	1	0	125
274	CA State U. Los Angeles	10,053	740	4,456	232	2,820	171	152	0	1,482
275	U. Denver	9,833	0	2,362	298	2,143	2,501	117	0	2,412
276	Marquette U.	9,744	0	3,928	356	1,542	103	174	69	3,572
277	U. AR Little Rock	9,683 i	250 i	1,114 i	2,354 i	470 i	722 i	3,974 i	0 i	799 i
278	Universidad Central del Caribe	9,446	0	9,446	0	0	0	0	0	0
279	Southwest MO State U.	9,320	228	1,440	115	7,463	19	55	0	0
280	CUNY Queens C.	9,186	343	6,230	167	1,120	1,110	216	0	0
281	Tarleton State U.	9,151	1,648	4,526	232	47	0	16	2,647	35
282	Bowling Green State U. all campuses	9,120	556	1,572	522	3,148	1,302	1,525	105	390
283	Ponce School of Medicine	9,103	0	9,103	0	0	0	0	0	0
284	Alcorn State U.	9,056	0	9,056	0	0	0	0	0	0
285	Baylor U.	8,951	1,658	2,408	448	2,205	261	1,323	0	648
286	Oakland U.	8,872	0	2,742	897	2,169	81	0	0	2,983
287	Duquesne U.	8,850	0	5,317	262	3,220	0	51	0	0
288	Clark Atlanta U.	8,543	0	3,903	999	3,126	49	37	50	379
289	CA State U. San Bernardino	8,323	230	528	546	548	4,454	215	1,467	335
290	VA State U.	8,170	0	7,002	448	16	9	111	0	584
291	U.S. Military Academy	8,167	126	0	1,734	300	1,020	2,819	0	2,168
292	East TN State U.	8,020	44	6,489	129	361	164	638	74	121
293	U.S. Naval Academy	7,973	118	0	766	1,793	0	374	0	4,922
294	Embry-Riddle Aeronautical U.	7,930	567	0	0	476	0	15	4,936	1,936
295	U. HI Hilo	7,926	2,151	4,756	0	278	134	37	570	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
296	Ball State U.	7,913	443	4,055	1,081	312	31	1,206	510	275
297	TX State U. San Marcos	7,890	3,691	1,635	430	1,323	22	136	478	175
298	Wesleyan U.	7,878	342	3,358	163	2,740	1,006	269	0	0
299	New School, The	7,795	1	0	5,692	0	178	1,924	0	0
300	AR State U. main campus	7,494	0	3,041	49	4,184	42	26	2	150
301	DE State U.	7,418	300	4,250	611	1,610	15	0	489	143
302	U. AK Anchorage all campuses	7,122	924	2,896	0	115	50	1,886	552	699
303	Humboldt State U.	7,087	363	4,223	437	4	0	964	0	1,096
304	U. GU	7,059	925	6,110	0	0	0	24	0	0
305	U. Central AR	7,036	1,158 i	2,124 i	609 i	838 i	195 i	536 i	360 i	1,216 i
306	CA State U. Monterey Bay	7,032	6,482	545	5	0	0	0	0	0
307	Wheeling Jesuit U.	7,005	0	72	0	0	0	30	1,031	5,872
308	FL Institute of Technology	6,985	1,380	1,209	644	2,048	69	0	0	1,635
309	Stephen F. Austin State U.	6,957	259	3,576	18	70	5	26	3,003	0
310	Nova Southeastern U.	6,697	4,120	1,796	0	0	691	0	90	0
311	Norfolk State U.	6,491	0	272	1,142	4,290	0	80	0	707
312	Western WA U.	6,371	1,554	1,963	121	1,014	185	1,007	487	40
313	U. NC Greensboro	6,130	51	3,443	194	744	1,188	510	0	0
314	CA State U. Dominguez Hills	6,016	5	806	4,070	330	107	698	0	0
315	Fisk U.	6,000	0	0	0	6,000	0	0	0	0
316	Fordham U.	5,908	56	2,669	118	66	579	2,301	119	0
317	U. AR Pine Bluff	5,831	0	5,646	0	170	0	4	11	0
318	Southern U. and A&M C. all campuses	5,590	2,141	586	109	898	0	724	0	1,132
319	Lincoln U. (Jefferson City, MO)	5,573	1,243	3,159	0	0	0	525	646	0
320	MT Tech of the U. MT	5,537	2,105	561	0	448	0	0	0	2,423
321	Alfred U. all campuses	5,474	43	0	0	87	658	0	0	4,686
322	James Madison U.	5,455	787	1,302	1,589	772	171	173	429	232
323	Morehouse C.	5,445	0	1,686	61	953	466	2,279	0	0
324	C. Charleston	5,308	2,552	1,221	373	672	58	196	236	0
325	CA State U. Fresno	5,297	52 i	4,572 i	5 i	230 i	377 i	40 i	0 i	21 i
326	U. PR Humacao	5,220	0	672	670	3,878	0	0	0	0
327	U. TX-Pan American	5,217	202	1,866	129	473	22	626	0	1,899
328	U. NC Asheville	5,202	1,212	146	1,330	1,980	0	293	169	72
329	U. DC	5,165	151	2,224	0	477	0	1,228	6	1,079
330	Northeastern OH Universities C. of Medicine	4,984	0	4,984	0	0	0	0	0	0
331	CUNY Brooklyn C.	4,960	17	1,479	1,219	717	1,452	76	0	0
332	Clark U.	4,899	1,879	859	0	763	906	415	77	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
333	CUNY Herbert H. Lehman C.	4,852	132	1,914	464	215	1,944	43	140	0
334	U. West FL	4,840	0	2,417	1,518	29	55	454	0	367
335	IL State U.	4,831	97	3,212	57	978	50	300	137	0
336	Rowan U.	4,772	0	131	1,208	286	1,297	48	0	1,802
337	U. LA Monroe	4,674	26	2,330	33	46	0	2,239	0	0
338	West TX A&M U.	4,638	330	2,837	57	38	90	38	0	1,248
339	Wellesley C.	4,634	34	746	232	919	0	195	2,508	0
340	Central MI U.	4,512	176	1,207	463	885	635	186	818	142
341	Grand Valley State U.	4,414	1,898	1,498	0	140	24	17	0	837
342	Langston U.	4,405	0	4,405	0	0	0	0	0	0
343	Xavier U. LA	4,394	0	2,573	193	1,585	12	0	0	31
344	CUNY Graduate Ctr.	4,380	41	16	436	259	501	2,266	861	0
345	NC Central U.	4,337	0	3,883	0	454	0	0	0	0
346	CA State U. Fullerton	4,311	435	2,109	0	134	24	1,430	105	74
347	OR Institute of Technology	4,155	0	341	93	0	0	0	0	3,721
348	U. of the Pacific	4,131	0	2,435	42	291	0	34	0	1,329
349	Williams C.	3,983	94 i	865 i	322 i	685 i	62 i	271 i	151 i	1,533 i
350	TX Christian U.	3,924	188	141	7	1,116	2,352	24	0	96
351	Bryn Mawr C.	3,881	349	313	384	1,074	603	1,158	0	0
352	U. North FL	3,875	6	1,068	128	1,281	84	351	0	957
353	SC State U.	3,796	0	834	0	1,821	0	1,076	0	65
354	Spelman C.	3,741	0	2,641	377	693	9	21	0	0
355	Milwaukee School of Engineering	3,740	0	748	0	40	0	0	0	2,952
356	Lamar U.	3,695	472	15	251	208	0	10	0	2,739
357	TX Southern U.	3,688	0	3,160	0	512	0	16	0	0
358	St. Francis U. (Loretto, PA)	3,677	135	3,542	0	0	0	0	0	0
359	KY State U.	3,548	0	3,511	0	0	0	0	0	37
360	Gallaudet U.	3,520	0	411	0	46	3,003	60	0	0
361	CA State U. East Bay	3,509	520	1,738	369	310	94	332	128	18
362	Smith C.	3,498	64	1,061	518	469	610	155	2	619
363	CUNY C. Staten Island	3,494	26	127	220	2,925	19	142	0	35
364	FL Gulf Coast U.	3,479	2,055	1,017	7	288	0	0	112	0
365	U. Northern IA	3,455	424	885	168	674	0	367	937	0
366	U. WI La Crosse	3,414	634	1,178	134	603	5	145	86	629
367	U. MD Eastern Shore	3,408	824	2,351	0	182	0	10	0	41
368	Rose-Hulman Institute of Technology	3,271	0	0	906	705	0	0	0	1,660
369	Albany C. of Pharmacy	3,248	0	3,248	0	0	0	0	0	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
370	Mt. Holyoke C.	3,127	566	402	899	980	87	193	0	0
371	Claremont Graduate U.	3,121	0	0	697	0	1,660	764	0	0
372	Pomona C.	3,108	50	1,011	229	651	824	343	0	0
373	U. WI Stevens Point	3,077	1,551	1,285	0	133	2	47	0	59
374	Sul Ross State U.	3,056	983	863	0	0	0	1,210	0	0
375	Eastern MI U.	3,027	15	270	103	628	98	218	0	1,695
376	Long Island U. all campuses	2,969 i	233 i	2,325 i	0 i	159 i	92 i	160 i	0 i	0 i
377	Black Hills State U.	2,935	236	2,311	0	0	146	208	34	0
378	St. Joseph's U.	2,930	0	479	589	35	338	234	1,255	0
379	Amherst C.	2,926	307	917	71	1,042	234	355	0	0
380	Appalachian State U.	2,912	300	1,020	94	1,174	136	188	0	0
381	Dillard U.	2,846	357	925	0	171	0	1,393	0	0
382	DePaul U.	2,839	97	79	990	132	1,448	59	34	0
383	CA State U. Chico	2,814 i	402 i	1,134 i	149 i	149 i	9 i	198 i	0 i	773 i
384	WV State U.	2,765	94	2,632	0	39	0	0	0	0
385	Barnard C.	2,764	446	152	146	360	1,635	25	0	0
386	La Salle U.	2,758	3	110	18	0	2	45	2,580	0
387	Harvey Mudd C.	2,739	0	251	610	687	0	0	651	540
388	American U.	2,713	0	128	80	569	330	1,578	28	0
389	NY Institute of Technology all campuses	2,708	0	1,414	771	0	0	22	0	501
390	Seton Hall U.	2,685	0	1,615	0	1,049	0	21	0	0
391	St. Cloud State U.	2,656	49	1,121	85	105	0	1,054	0	242
392	Ft. Valley State U.	2,610	0	2,610	0	0	0	0	0	0
393	Hope C.	2,603	50	1,201	269	768	24	4	0	287
394	Western Carolina U.	2,602	685	1,166	196	8	0	380	0	167
395	Murray State U.	2,555	513	1,567	167	196	2	34	0	76
396	CUNY York C.	2,550	31	2,476	6	36	0	1	0	0
397	Pittsburg State U.	2,533	0	173	0	73	0	0	0	2,287
398	U. WI Superior	2,501	1,541	7	36	2	0	915	0	0
399	Sam Houston State U.	2,500	1,249	84	478	189	0	84	416	0
400	CA State Polytechnic U. Pomona	2,466	8	2,402	0	0	0	0	11	45
401	Arcadia U.	2,450	0	355	204	16	0	1,387	488	0
402	Central WA U.	2,431	1,922	185	37	184	18	85	0	0
403	Midwestern U. (Chicago, IL)	2,358	0	2,358	0	0	0	0	0	0
404	Macalester C.	2,349	199	459	248	508	235	700	0	0
405	Central State U.	2,320	116	232	116	116	0	116	0	1,624
406	Savannah State U.	2,301	907	396	407	0	0	0	0	591

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
407	CUNY John Jay C. of Criminal Justice	2,259	0	5	49	42	1,159	943	61	0
408	SUNY C. of Optometry	2,231	0	2,231	0	0	0	0	0	0
409	Colgate U.	2,217	507	425	223	578	96	377	11	0
410	Kettering U.	2,209	0	0	0	105	0	0	0	2,104
411	Bowdoin C.	2,186	487	1,065	77	310	86	161	0	0
412	U. New England	2,154	458	1,696	0	0	0	0	0	0
413	Fairfield U.	2,148	6	734	108	476	202	499	0	123
414	Eastern WA U.	2,136	60	334	10	98	10	1,584	20	20
415	Middle TN State U.	2,135	71	590	242	567	20	594	0	51
416	Chicago State U.	2,124	0	0	0	0	0	0	2,124	0
417	Union C. (Schenectady, NY)	2,086	125	415	95	279	41	371	238	522
418	Winston-Salem State U.	2,086 i	0 i	1,465 i	210 i	411 i	0 i	0 i	0 i	0 i
419	Calvin C.	2,063	66	431	269	652	168	158	196	123
420	TX Woman's U.	2,047	0	1,475	20	169	17	48	318	0
421	Lawrence Technological U.	2,001	0	0	0	0	0	0	0	2,001
422	Franklin & Marshall C.	1,993	420	456	76	750	117	174	0	0
423	Bowie State U.	1,960	0	56	1,904	0	0	0	0	0
424	U. Richmond	1,958	8	396	131	1,099	297	27	0	0
425	U. Hartford	1,923	0	27	204	17	0	328	0	1,347
426	Southern CT State U.	1,918	0	0	0	436	550	732	200	0
427	Hamilton C. (Clinton, NY)	1,907	316	373	21	917	181	99	0	0
428	Oglala Lakota C.	1,903	748	734	0	112	0	0	250	59
429	AL State U.	1,900	0	1,612	215	0	0	73	0	0
430	Elizabeth City State U.	1,892	161	894	79	0	0	757	0	1
431	Bradley U.	1,860	0	175	119	267	1	17	0	1,281
432	Carleton C.	1,852	807	342	149	398	75	81	0	0
433	CA State U. Bakersfield	1,833	358	563	203	610	0	99	0	0
434	Middlebury C.	1,830	305	711	98	494	28	144	50	0
435	Shaw U.	1,826	209	1,289	0	328	0	0	0	0
436	U. Northern CO	1,822	43	612	247	517	1	144	258	0
437	GA Southern U.	1,789	349	1,032	146	262	0	0	0	0
438	St. John's U. (Jamaica, NY)	1,783	0	575	0	242	965	0	1	0
439	Monmouth U.	1,766	298	0	1,402	66	0	0	0	0
440	Morehead State U.	1,758	39	429	39	62	388	606	0	195
441	Philadelphia C. of Osteopathic Medicine	1,754	0	1,739	0	0	15	0	0	0
442	Bucknell U.	1,744	71	504	0	312	27	2	0	828
443	Fayetteville State U.	1,743	0	578	356	132	25	652	0	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
444	SUNY C. Geneseo	1,743	55	109	607	902	50	20	0	0
445	Santa Clara U.	1,736 i	47 i	1,203 i	79 i	151 i	25 i	25 i	11 i	195 i
446	IN State U. all campuses	1,697	304	487	0	171	488	247	0	0
447	SUNY C. Old Westbury	1,682	0	1,166	5	448	0	45	18	0
448	Tougaloo C.	1,675	0	1,560	0	110	0	0	5	0
449	Occidental C.	1,652	181	360	38	549	31	296	197	0
450	Southeastern LA U.	1,650	0	1,124	7	516	0	3	0	0
451	TX A&M U. Commerce	1,616	0	181	523	398	63	0	414	37
452	Benedict C.	1,604	39	1,038	68	34	0	0	0	425
453	Loyola Marymount U.	1,597	106	245	204	158	401	53	0	430
454	PA C. of Optometry	1,587	0	1,587	0	0	0	0	0	0
455	Northern KY U.	1,584	0	579	40	503	220	242	0	0
456	Dowling C.	1,566	0	80	143	0	0	0	0	1,343
457	Western IL U.	1,485	20	782	2	427	0	254	0	0
458	Lafayette C.	1,472	154	53	146	287	6	4	472	350
459	Swarthmore C.	1,449	0	136	44	544	292	117	155	161
460	U. of the Sciences Philadelphia	1,449	0	837	0	432	0	180	0	0
461	Ithaca C.	1,434	0	498	716	195	17	8	0	0
462	Wilberforce U.	1,405	0	80	1,280	9	0	0	0	36
463	U. TX Tyler	1,395	14	507	259	35	32	7	0	541
464	Loyola C.	1,373	0	0	413	18	0	942	0	0
465	New England C. of Optometry	1,356	0	1,356	0	0	0	0	0	0
466	Montclair State U.	1,341	686 i	382 i	234 i	15 i	24 i	0 i	0 i	0 i
467	Governors State U.	1,336	0	1,232	104	0	0	0	0	0
468	Albany State U.	1,331	261	0	118	0	0	0	0	952
469	Rider U.	1,330	0	339	0	58	0	22	911	0
470	U. WI Eau Claire	1,327	345	189	40	701	32	20	0	0
471	U. IL Springfield	1,321	2	22	104	35	0	1,142	16	0
472	SUNY C. Buffalo	1,292	107	36	0	122	300	727	0	0
473	Northwestern Health Sciences U.	1,289	0	1,289	0	0	0	0	0	0
474	Kansas City U. of Medicine and Biosciences	1,267	0	1,267	0	0	0	0	0	0
475	Trinity U.	1,244	68	386	106	604	43	22	0	15
476	Reed C.	1,220	0	662	0	361	195	2	0	0
477	Winona State U.	1,216	37	609	280	94	33	105	0	58
478	U. Redlands	1,206	1,120	29	0	57	0	0	0	0
479	SUNY C. Plattsburgh	1,190	339	20	0	821	0	0	10	0
480	Haverford C.	1,182	0 i	485 i	29 i	576 i	67 i	25 i	0 i	0 i

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
481	U. West GA	1,172	480	325	33	304	0	30	0	0
482	U. Baltimore	1,169	0	0	0	0	0	1,169	0	0
483	Colby C.	1,131	97	406	242	247	12	124	3	0
484	Polytechnic U. PR	1,127	0	0	0	0	0	0	0	1,127
485	Hampshire C.	1,118	94	252	13	65	165	21	81	427
486	Andrews U.	1,108	0	32	119	54	0	900	0	3
487	Towson U.	1,098	0	222	352	393	26	105	0	0
488	U. San Francisco	1,096	272	158	57	243	265	100	1	0
489	Coastal Carolina U.	1,095	951	40	0	96	1	7	0	0
490	SUNY C. Oswego	1,093	52	0	68	232	618	3	120	0
491	U. AK Southeast all campuses	1,087	189	582	0	50	0	26	240	0
492	NM Highlands U.	1,083	106	328	0	649	0	0	0	0
493	Dickinson C.	1,076	202	467	54	258	71	24	0	0
494	St. Olaf C.	1,060	0	721	16	250	73	0	0	0
495	U. WI Oshkosh	1,059	51	801	26	83	0	4	94	0
496	Lewis and Clark C.	1,048	30	752	67	137	30	32	0	0
497	Furman U.	1,042	76	173	28	600	165	0	0	0
498	U. WI Green Bay	1,031	912	1	9	0	0	3	106	0
499	CUNY Baruch C.	1,030	1	606	71	33	68	251	0	0
500	SUNY C. Brockport	1,025	203	495	30	273	0	0	24	0
501	Bates C.	1,020	108	602	17	290	3	0	0	0
502	CT C.	1,020	0	284	17	570	120	29	0	0
503	U.S. Coast Guard Academy	1,020	52	0	0	40	0	12	0	916
504	Northeastern IL U.	1,005	19	30	56	160	146	405	189	0
505	U. TX of the Permian Basin	995	49	60	0	641	9	132	104	0
506	C. of the Holy Cross	987	0	90	128	391	344	34	0	0
507	MN State U. Mankato	964	0	416	37	66	18	9	48	370
508	Trinity C. (Hartford, CT)	951	1	283	62	403	0	17	103	82
509	C. Wooster	944	73	268	22	430	99	52	0	0
510	Clafin U.	929 i	0 i	927 i	0 i	0 i	0 i	0 i	2 i	0 i
511	Nicholls State U.	922	0	389	8	12	250	0	135	128
512	Sinte Gleska U.	913	254	173	0	205	0	0	0	281
513	Western U. of Health Sciences	909	0	909	0	0	0	0	0	0
514	U. Portland	887	12	215	59	320	0	71	0	210
515	Eastern IL U.	885	210	452	13	117	71	12	8	2
516	Southern OR U.	875	106	317	14	33	0	405	0	0
517	Roger Williams U. Bristol	867	212	434	0	221	0	0	0	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
518	IL Wesleyan U.	856	0	77	0	399	307	73	0	0
519	Davidson C.	852	0	573	129	99	35	16	0	0
520	U. Houston-Clear Lake	851	296	142	169	125	55	23	0	41
521	Philadelphia U.	848	0	0	0	0	0	0	848	0
522	MT State U. Billings	846	49	492	3	237	0	65	0	0
523	MS Valley State U.	844	0	0	313	17	0	0	0	514
524	Seattle U.	837 i	29 i	63 i	0 i	387 i	0 i	0 i	0 i	358 i
525	A.T. Still U. of Health Sciences	826	0	826	0	0	0	0	0	0
526	Augustana C. (Sioux Falls, SD)	807	0	595	73	139	0	0	0	0
527	Des Moines U.	796	0	796	0	0	0	0	0	0
528	Pacific U.	793	0	727	0	40	26	0	0	0
529	Allegheny C.	787	125	70	9	351	18	46	168	0
530	Grinnell C.	787	0	137	341	119	100	90	0	0
531	Fuller Theological Seminary CA	780	0	0	0	0	780	0	0	0
532	Oberlin C.	773	235	155	0	330	26	27	0	0
533	Mercyhurst C.	767	13	43	5	64	6	445	191	0
534	Valparaiso U.	763	0	58	68	583	11	0	0	43
535	West Chester U. PA	762	0	447	23	292	0	0	0	0
536	Millersville U. PA	753	460	121	146	26	0	0	0	0
537	Evergreen State C.	739	430	65	47	0	0	0	197	0
538	Skidmore C.	726	44	233	30	254	95	70	0	0
539	Pace U. all campuses	718	49	539	37	4	0	0	89	0
540	Christopher Newport U.	709	0	230	0	453	26	0	0	0
541	Chapman U.	706	23	266	42	96	0	202	77	0
542	C. NJ, The	688	0	121	17	116	36	193	0	205
543	Hofstra U.	687	1	234	4	142	118	63	0	125
544	Hobart and William Smith Colleges	685	331	0	0	207	19	128	0	0
545	Saginaw Valley State U.	680	0	67	69	25	2	14	94	409
546	Angelo State U.	678	0	615	6	43	14	0	0	0
547	Claremont McKenna C.	678 i	39 i	253 i	46 i	115 i	47 i	50 i	16 i	112 i
548	Augsburg C.	676	0	0	99	577	0	0	0	0
549	U. San Diego	667	163	284	0	217	0	0	0	3
550	VA Military Institute	659	0	18	0	91	1	0	0	549
551	Bridgewater State C.	657	99 i	31 i	7 i	471 i	14 i	35 i	0 i	0 i
552	Eastern OR U.	649	0	386	0	258	0	5	0	0
553	St. Mary's U. (San Antonio, TX)	623	0	40	0	0	0	0	549	34
554	Drake U.	622	31	130	11	222	17	19	192	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
555	Eastern KY U.	614	155	195	28	211	0	25	0	0
556	Youngstown State U.	611	9	156	7	375	1	0	4	59
557	U. Scranton	600	0	372	5	214	5	4	0	0
558	Vassar C.	600	81	245	118	84	0	66	0	6
559	Adelphi U.	594	0	594	0	0	0	0	0	0
560	Truman State U.	593	0	462	0	131	0	0	0	0
561	Millsaps C.	588	0	529	0	12	0	47	0	0
562	MA C. of Pharmacy and Health Sciences	580	0	285	0	295	0	0	0	0
563	National U. of Health Sciences	580	0	580	0	0	0	0	0	0
564	West Liberty State C.	579	164	415	0	0	0	0	0	0
565	Mills C.	575 i	44 i	140 i	62 i	217 i	21 i	21 i	27 i	43 i
566	Sarah Lawrence C.	566	115	120	6	275	0	0	50	0
567	Providence C.	558	0	526	0	32	0	0	0	0
568	Northeastern State U.	554	0	543	0	8	0	3	0	0
569	Simmons C.	551	0	73	0	72	0	202	204	0
570	Kennesaw State U.	548	0	433	104	11	0	0	0	0
571	Pacific Lutheran U.	547	36	121	0	303	2	85	0	0
572	U. WI Platteville	540	23	372	0	18	0	0	2	125
573	U. of St. Thomas (St. Paul, MN)	536	17	89	167	138	0	18	80	27
574	Daemen C.	529	0	529	0	0	0	0	0	0
575	Manhattan C.	527 i	0 i	0 i	0 i	9 i	0 i	0 i	0 i	518 i
576	Central CT State U.	523	0	201	0	170	0	152	0	0
577	Jacksonville State U.	523	159	364	0	0	0	0	0	0
578	Mt. St. Mary's C. (Los Angeles, CA)	515	0	454	0	61	0	0	0	0
579	CUNY Medgar Evers C.	512	214	96	3	198	1	0	0	0
580	Muhlenberg C.	511	0	387	0	114	0	10	0	0
581	Northern MI U.	500	56	123	0	0	34	32	255	0
582	SUNY C. Cortland	480	71	100	2	57	0	250	0	0
583	U. Detroit Mercy	480 i	0 i	92 i	0 i	228 i	0 i	25 i	0 i	135 i
584	Ursinus C.	472	16	234	0	222	0	0	0	0
585	Jacksonville U.	466	0	317	0	0	0	50	0	99
586	U. Puget Sound	453	28	251	0	10	2	147	15	0
587	Lincoln U. (Lincoln University, PA)	450	0	238	0	50	0	0	162	0
588	Siena C.	447 i	27 i	201 i	14 i	67 i	5 i	38 i	24 i	71 i
589	Coe C.	445	0	52	0	285	0	0	108	0
590	Wabash C.	445	0	99	82	238	3	1	22	0
591	Rhodes C.	432	0	138	0	178	116	0	0	0

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
592	Grambling State U.	428	114	2	0	312	0	0	0	0
593	Sweet Briar C.	428	39	220	0	50	38	26	0	55
594	Gettysburg C.	427	22	62	7	184	6	146	0	0
595	Carlos Albizu U. (San Juan, PR)	418	0	0	0	0	418	0	0	0
596	Universidad del Turabo	417	417	0	0	0	0	0	0	0
597	St. Mary's C. MD	415	0	201	29	23	42	120	0	0
598	U. PR Cayey	411	0	253	0	20	2	0	136	0
599	Indiana U. PA all campuses	410	32	201	5	51	19	102	0	0
600	Loyola U. New Orleans	408	4	167	17	216	0	4	0	0
601	Sonoma State U.	408	5	303	0	14	17	57	1	11
602	Universidad del Este	407	1	406	0	0	0	0	0	0
603	U. Central OK	406	0	106	0	0	0	0	0	300
604	LeTourneau U.	405	0	0	0	36	0	0	0	369
605	Roanoke C.	402	0	184	9	66	1	142	0	0
606	Bluefield State C.	401	0	401	0	0	0	0	0	0
607	Mercy C.	401	0	381	5	0	15	0	0	0
608	Lake Forest C.	386	0	130	42	90	32	92	0	0
609	Willamette U.	377	25	133	74	100	0	0	45	0
610	OH Wesleyan U.	376	0	125	24	82	145	0	0	0
611	Hendrix C.	375	7	85	0	207	0	0	0	76
612	Northwestern State U.	371	0	232	0	0	0	139	0	0
613	Southeastern OK State U.	360	0	73	0	287	0	0	0	0
614	U. WI Stout	360	0	87	130	0	51	0	92	0
615	Point Loma Nazarene C.	358	10	268	0	80	0	0	0	0
616	U. New Haven	353	52	0	0	44	0	0	223	34
617	WV School of Osteopathic Medicine	349	0	349	0	0	0	0	0	0
618	Juniata C.	332	11	175	0	146	0	0	0	0
619	U. NC Pembroke	329	61	21	0	247	0	0	0	0
620	Washington and Lee U.	329	0	37	51	241	0	0	0	0
621	AR Tech U.	327 i	154 i	79 i	0 i	0 i	0 i	0 i	80 i	14 i
622	Western CT State U.	324	0	202	1	119	0	2	0	0
623	Denison U.	321	30	68	7	203	0	13	0	0
624	SUNY Fredonia	318	74	81	0	152	0	11	0	0
625	McNeese State U.	316	135	29	26	40	72	2	0	12
626	Lawrence U.	301	61	84	0	156	0	0	0	0
627	Southern Polytechnic State U.	300	0	0	56	6	0	0	159	79
628	Wilkes U.	300	56	119	0	19	0	0	0	106

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
629	Whitman C.	299	91	134	0	62	12	0	0	0
630	John Carroll U.	298	0	59	234	5	0	0	0	0
631	U. WI River Falls	287	0	107	0	155	5	20	0	0
632	Maharishi U. of Management	280	0	280	0	0	0	0	0	0
633	Bard C.	278 i	16 i	104 i	19 i	47 i	19 i	20 i	7 i	46 i
634	Cheyney U. PA	274	0	274	0	0	0	0	0	0
635	Abilene Christian U.	269	0	14	0	248	7	0	0	0
636	Pitzer C.	268	0	4	62	0	72	130	0	0
637	Southwestern OK State U.	266	0	0	0	230	0	0	0	36
638	Universidad Metropolitana	248	43	179	0	26	0	0	0	0
639	Troy U. main campus	246	0	61	23	158	0	4	0	0
640	Ft. Lewis C.	243	4	141	0	87	0	11	0	0
641	Berry C.	240 i	27 i	86 i	43 i	14 i	70 i	0 i	0 i	0 i
642	Kalamazoo C.	239	0	109	27	88	10	5	0	0
643	Mayville State U.	224	0	224	0	0	0	0	0	0
644	U. WI Whitewater	223	0	182	0	21	0	20	0	0
645	DePauw U.	221 i	20 i	52 i	14 i	66 i	11 i	4 i	20 i	34 i
646	U. WI Parkside	218	65	61	9	53	0	30	0	0
647	Goucher C.	217	0	203	0	14	0	0	0	0
648	Augustana C. (Rock Island, IL)	212 i	56 i	52 i	0 i	0 i	0 i	0 i	104 i	0 i
649	Heritage U. (Toppenish, WA)	210	0	210	0	0	0	0	0	0
650	Miles C.	197	0	8	36	153	0	0	0	0
651	U. of the South	190	39	72	12	29	0	35	3	0
652	CA State U. Sacramento	183	0	0	0	0	0	0	0	183
653	U. Houston-Downtown	175	0	81	93	1	0	0	0	0
654	Gustavus Adolphus C.	173	43	41	1	87	1	0	0	0
655	Cooper Union	171	0	0	0	0	0	0	0	171
656	Canisius C.	163	0	87	35	41	0	0	0	0
657	Southern U. New Orleans	154	0	0	0	0	0	0	154	0
658	CO State U. Pueblo	151	0	86	0	62	0	3	0	0
659	Edward Waters C.	150 i	10 i	56 i	8 i	27 i	9 i	12 i	8 i	20 i

TABLE 38. R&D expenditures at universities and colleges, ranked by all R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
660	Fairleigh Dickinson U. all campuses	150 i	5 i	105 i	7 i	11 i	2 i	4 i	0 i	16 i
661	Seattle Pacific U.	150 i	10 i	56 i	8 i	27 i	9 i	12 i	8 i	20 i
662	William Paterson U. NJ	150 i	30 i	48 i	10 i	19 i	11 i	10 i	8 i	14 i

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$777,813 in total R&D expenditures in FY 2007.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	30,440,745	1,834,740	18,347,934	1,421,731	2,677,165	599,882	755,300	342,065	4,461,928
1	Johns Hopkins U., The ^a	1,362,836	40,626	548,741	104,289	126,693	5,787	2,610	15,151	518,939
2	U. WA	620,375	79,664	427,748	6,088	29,485	8,688	7,705	0	60,997
3	U. MI all campuses	577,201	8,384	351,752	9,262	26,753	7,250	58,308	132	115,360
4	Stanford U.	534,787	12,786	320,914	24,488	56,783	6,953	6,545	0	106,318
5	U. CA, Los Angeles	488,846	7,754	368,103	16,057	49,423	8,913	5,968	4,889	27,739
6	MA Institute of Technology	476,318	23,111	154,459	34,416	95,057	665	2,908	6,259	159,443
7	U. CA, San Diego	475,708	75,906	272,820	39,414	39,862	5,828	3,710	936	37,232
8	U. WI Madison	469,076	64,261	268,017	15,092	37,233	7,305	20,968	0	56,200
9	U. CA, San Francisco	467,402	0	451,445	0	15,957	0	0	0	0
10	Columbia U. in the City of NY	459,748	50,807	320,271	9,832	29,578	3,743	10,855	2,056	32,606
11	Duke U.	459,122	9,023	379,720	8,771	15,101	1,795	17,047	0	27,665
12	U. PA	449,687	380	368,697	7,898	23,930	5,104	17,423	5,413	20,842
13	U. CO all campuses	442,303	81,691	243,334	8,836	57,541	12,462	5,630	824	31,985
14	U. Pittsburgh all campuses	441,357	1,159	389,116	5,835	14,755	5,823	2,897	7,407	14,365
15	Washington U. St. Louis	424,451	3,670	387,033	4,382	11,173	4,118	3,805	0	10,270
16	Harvard U.	392,103	25,796	279,509	4,321	48,423	6,880	9,362	0	17,812
17	PA State U. all campuses	370,789	25,479	95,554	39,097	33,865	15,596	10,636	160	150,402
18	Cornell U. all campuses	367,094	3,762	228,986	17,484	56,576	2,360	9,171	0	48,755
19	U. Southern CA	355,084	13,569	213,373	78,960	7,985	5,344	3,751	283	31,819
20	Yale U.	349,027	3,888	311,023	4,160	16,667	3,583	876	0	8,830
21	U. NC Chapel Hill	346,672	13,375	272,789	11,023	20,427	5,671	23,387	0	0
22	U. MN all campuses	337,966	5,474	248,605	15,728	17,698	7,925	11,346	0	31,190
23	OH State U. all campuses	313,242	6,753	180,247	19,908	18,791	4,289	31,357	5,718	46,179
24	Vanderbilt U.	312,178	518	251,691	1,261	15,082	8,225	4,294	1,242	29,865
25	Case Western Reserve U.	304,742	1,102	265,766	849	6,286	1,202	3,693	0	25,844
26	U. TX Austin	289,331	14,579	33,786	54,205	61,858	8,255	14,156	7,303	95,189
27	U. Rochester	280,132	898	175,369	2,211	9,350	10,159	183	0	81,962
28	Emory U.	271,445	0	249,557	753	8,590	1,835	432	0	10,278
29	U. AZ	269,941	7,031	135,794	4,617	87,317	3,332	7,571	0	24,279
30	U. AL Birmingham, The	269,006	0	253,380	2,799	3,842	3,027	166	0	5,792
31	Scripps Research Institute, The	267,073	0	267,073	0	0	0	0	0	0
32	Baylor C. of Medicine	263,146	0	263,146	0	0	0	0	0	0
33	U. Chicago	261,870	6,161	184,383	25,183	36,157	6,033	3,953	0	0
34	GA Institute of Technology all campuses	260,230	10,351	7,879	34,874	19,469	2,426	3,322	1,669	180,240
35	U. CA, Davis	256,994	6,542	196,216	7,273	15,484	1,243	4,393	986	24,857
36	U. Cincinnati all campuses	253,833	232	229,991	271	5,028	627	1,502	0	16,182

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
37	CA Institute of Technology	253,657	14,907	38,850	11,523	150,022	0	0	135	38,220
38	U. IL Urbana-Champaign	253,612	15,033	57,958	52,806	38,525	8,102	5,338	2,104	73,746
39	U. CA, Berkeley	251,043	5,861	91,390	5,558	63,593	6,087	8,094	16,739	53,721
40	Northwestern U.	249,411	1,474	167,637	3,114	20,988	2,503	3,970	5,979	43,746
41	U. FL	240,819	6,366	151,519	6,427	21,537	7,161	3,341	0	44,468
42	Boston U.	232,115	4,607	146,597	2,896	25,387	8,845	778	19,203	23,802
43	TX A&M U.	228,363	75,613	64,414	10,191	18,775	1,682	3,676	1,797	52,215
44	OR Health & Science U.	227,441	0	210,117	17,324	0	0	0	0	0
45	U. IA	222,944	562	179,500	1,867	14,151	6,863	2,496	0	17,505
46	Mt. Sinai School of Medicine	221,397	0	221,397	0	0	0	0	0	0
47	U. MD College Park	218,973	11,784	27,644	24,547	45,685	4,050	51,032	0	54,231
48	CO State U.	210,746	81,028	76,498	3,934	9,005	2,370	3,014	15,848	19,049
49	U. IL Chicago	208,881	862	171,862	6,182	8,330	2,920	4,605	3,373	10,747
50	U. HI Manoa	208,196	55,290	69,903	33,740	27,071	56	4,404	11,285	6,447
51	U. VA all campuses	198,274	4,107	137,685	6,457	13,116	5,475	690	1,068	29,676
52	NY U.	194,303	0	150,053	13,057	9,006	14,505	5,622	2,060	0
53	U. TX Southwestern Medical Ctr. Dallas	191,687	0	191,687	0	0	0	0	0	0
54	U. TX M. D. Anderson Cancer Ctr.	190,508	0	166,743	5,396	6,410	7,791	3,654	0	514
55	U. UT	174,719	4,244	122,315	12,149	14,237	1,727	764	0	19,283
56	MI State U.	170,350	655	97,284	5,634	38,216	3,304	12,567	24	12,666
57	U. CA, Irvine	169,912	3,582	118,579	8,763	19,920	2,108	3,410	32	13,518
58	Carnegie Mellon U.	168,486	1,241	5,152	93,003	8,145	6,615	6,538	2,497	45,295
59	IN U. all campuses	165,934	2,880	127,255	6,506	14,494	7,704	4,108	85	2,902
60	Purdue U. all campuses	165,637	3,366	68,184	9,648	19,183	3,034	3,869	942	57,411
61	U. MD Baltimore	164,211	0	164,211	0	0	0	0	0	0
62	U. South FL	158,442	19,237	113,383	77	2,294	2,457	3,311	421	17,262
63	U. KY all campuses	154,688	1,965	104,457	7,356	5,126	7,087	2,249	5,416	21,032
64	SUNY Buffalo all campuses	148,989	1,563	101,593	5,703	7,435	4,691	1,478	0	26,526
65	Yeshiva U.	147,941	0	147,941	0	0	0	0	0	0
66	U. Miami	147,535	38,724	95,056	466	2,299	7,461	1,123	0	2,406
67	LA State U. all campuses	145,650	12,759	101,607	2,814	13,769	653	1,753	951	11,344
68	Wake Forest U.	141,467	0	138,122	356	2,683	224	82	0	0
69	U. NE all campuses	138,338	3,553	88,338	6,395	8,179	8,408	4,472	2,888	16,105
70	Rutgers, The State U. NJ all campuses	135,933	13,483	65,682	9,613	23,935	3,824	6,429	0	12,967
71	U. TX Health Science Ctr. Houston	131,879	0	131,879	0	0	0	0	0	0
72	U. MA Worcester	131,226	0	131,226	0	0	0	0	0	0
73	NC State U.	131,056	6,605	53,471	11,970	12,243	58	4,504	1,238	40,967

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
74	VA Polytechnic Institute and State U.	128,796	2,516	53,641	4,933	9,062	2,034	2,182	6	54,422
75	Dartmouth C.	128,164	660	93,161	4,159	4,176	2,639	448	10,128	12,793
76	U. TN all campuses	126,998	2,356	73,900	6,733	11,310	171	2,858	1,966	27,704
77	U. of Medicine and Dentistry NJ	126,101	0	126,101	0	0	0	0	0	0
78	U. CT all campuses	123,513	5,262	87,828	2,217	5,845	11,876	2,440	0	8,045
79	U. NM main campus	123,039	4,581	75,010	4,413	13,038	7,220	2,423	4,624	11,730
80	Princeton U.	119,171	11,521	25,394	10,374	23,907	7,320	6,772	0	33,883
81	U. TX Medical Branch	118,173	0	116,844	0	0	0	0	0	1,329
82	U. KS all campuses	115,670	6,379	84,190	939	7,378	630	5,500	374	10,280
83	AZ State U.	114,632	12,551	30,218	9,702	12,017	9,289	9,186	455	31,214
84	Wayne State U.	114,364	5	90,011	1,680	8,155	3,470	2,118	160	8,765
85	FL State U.	113,681	14,722	16,855	6,401	31,823	10,492	6,492	0	26,896
86	Woods Hole Oceanographic Institution	112,754	91,173	0	0	0	0	0	0	21,581
87	U. CA, Santa Barbara	111,848	12,304	5,226	9,430	25,104	3,965	2,036	4,869	48,914
88	SUNY Stony Brook all campuses	111,241	13,610	57,649	6,761	17,752	4,107	699	0	10,663
89	OR State U.	110,267	32,165	50,481	5,018	2,483	341	1,060	4,346	14,373
90	U. MO-Columbia	108,328	995	80,231	3,080	5,952	4,578	4,358	0	9,134
91	Medical C. WI	107,200	0	107,200	0	0	0	0	0	0
92	MS State U.	106,662	7,559	41,751	6,372	2,512	2,355	3,114	4,087	38,912
93	SUNY Albany	105,776	3,084	89,527	1,639	2,399	1,807	4,652	0	2,668
94	U. GA	103,256	4,325	78,975	1,773	5,722	7,817	2,252	0	2,392
95	Georgetown U.	101,853	0	97,275	260	2,248	1,079	991	0	0
96	Medical U. SC	101,402	0	101,370	0	0	0	0	0	32
97	NM State U. main campus	100,773	403	14,969	1,711	13,257	3,050	2,170	919	64,294
98	U. AK Fairbanks all campuses	99,588 i	55,250 i	20,728 i	4,488 i	1 i	277 i	482 i	3,192 i	15,170 i
99	Tulane U.	98,473	305	87,021	1,318	1,923	358	3,338	0	4,210
100	IA State U.	97,112	4,585	42,007	7,126	6,752	195	10,620	326	25,501
101	U. TX Health Science Ctr. San Antonio	95,610	0	95,610	0	0	0	0	0	0
102	Brown U.	95,023	4,740	57,348	10,994	7,119	839	2,745	0	11,238
103	Tufts U.	91,379	289	77,159	828	4,520	2,106	207	0	6,270
104	VA Commonwealth U.	90,137	163	77,405	1,520	3,694	2,429	1,844	0	3,082
105	U. VT	90,049	402	79,398	1,153	693	1,926	108	4,807	1,562
106	UT State U.	89,948	5,202	23,295	707	2,324	2,153	1,470	1,890	52,907
107	U. SC all campuses	89,000	17,644	27,511	3,532	9,293	8,623	4,546	1,398	16,453
108	George Washington U.	87,624	2	23,896	50,170	2,825	1,969	2,290	257	6,215
109	Rockefeller U.	86,728	0	80,664	1,847	4,213	0	4	0	0
110	U. OK all campuses	86,422	14,005	55,145	1,064	5,085	2,110	1,429	0	7,584

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
111	U. DE	82,539	9,609	14,185	2,951	12,528	2,426	3,101	3,673	34,066
112	Thomas Jefferson U.	81,545	0	81,545	0	0	0	0	0	0
113	U. NH	81,027	47,719	10,455	881	3,247	208	3,613	1,068	13,836
114	WA State U.	78,505	1,523	43,523	599	12,434	1,119	4,032	4,132	11,143
115	U. MS all campuses	77,526	7,092	51,688	131	13,654	0	345	0	4,616
116	U. Louisville	76,479	131	59,448	1,183	3,592	4,095	514	28	7,488
117	MT State U. Bozeman	75,765	1,484	37,697	1,009	13,906	48	1,374	8,486	11,761
118	U. MA Amherst	71,974	2,485	28,580	11,005	7,538	3,111	1,532	0	17,723
119	NM Institute of Mining and Technology	69,050	64	263	484	19,435	86	0	5,028	43,690
120	U. CA, Santa Cruz	68,204	11,674	7,352	1,672	18,187	444	969	0	27,906
121	Drexel U.	66,795	0	31,347	6,452	2,698	1,289	0	0	25,009
122	WV U.	65,699	4,586	37,106	679	3,198	188	684	1,359	17,899
123	U. NV, Reno	62,713	6,805	30,918	730	10,422	1,080	456	1,999	10,303
124	Naval Postgraduate School	62,434	16,183	0	12,413	5,470	0	4,819	11,900	11,649
125	U. AR for Medical Sciences	60,836	0	60,836	0	0	0	0	0	0
126	U. Dayton	60,089	0	1,626	484	147	13	0	419	57,400
127	U. CA, Riverside	56,129	4,714	22,618	1,915	6,867	2,318	900	2	16,795
128	Auburn U. all campuses	54,949	2,179	17,095	196	5,248	428	2,586	1,418	25,799
129	Temple U.	54,452	58	39,988	1,268	4,397	6,165	797	0	1,779
130	Rice U.	54,301	1,796	7,523	9,460	12,386	598	451	0	22,087
131	U. of Notre Dame	53,974	0	12,885	3,542	17,421	3,790	663	4,251	11,422
132	Clemson U.	53,905	0	12,646	1,550	5,362	859	3,708	3	29,777
133	U. RI	52,561	21,693	15,772	613	729	447	10	7,843	5,454
134	FL International U.	52,141	2,680	19,187	4,271	5,186	1,737	4,319	0	14,761
135	U. OR	49,467	2,381	21,280	3,158	10,560	7,088	4,870	0	130
136	U. MD Baltimore County	49,461	23,856	3,668	3,672	7,253	1,508	1,983	784	6,737
137	U. Central FL	49,359	8,096	2,165	262	13,686	1,192	1,164	9,424	13,370
138	Rensselaer Polytechnic Institute	48,924	1,536	2,034	5,479	9,710	1,500	210	0	28,455
139	Charles R. Drew U. of Medicine and Science	48,580	0	48,580	0	0	0	0	0	0
140	U. AL Huntsville, The	48,415	8,525	634	8,100	6,004	488	791	0	23,873
141	St. Louis U. all campuses	47,704	707	45,623	17	572	136	137	4	508
142	KS State U.	47,654	97	27,099	1,332	6,068	352	1,505	3,121	8,080
143	George Mason U.	46,588	9,020	4,188	8,964	2,070	2,012	16,910	0	3,424
144	U. ID	46,144	1,983	26,571	1,363	2,318	13	1,961	1,573	10,362
145	U. NV, Las Vegas	46,128	17,095	3,873	1,649	8,496	171	277	0	14,567
146	ND State U. all campuses	45,475	154	12,384	504	13,052	2,149	7,158	1,354	8,720
147	U. ND all campuses	44,610	9,685	13,562	30	759	48	36	233	20,257

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
148	U. Southern MS	42,645	14,233	7,272	308	10,682	241	248	9,332	329
149	U. ME	41,963	11,429	12,041	196	1,796	1,056	4,103	3,255	8,087
150	Brandeis U.	41,358	0	21,862	1,608	5,929	2,911	9,048	0	0
151	NJ Institute of Technology	41,330	0	0	4,104	10,143	0	274	3,159	23,650
152	Medical C. GA	40,609	0	40,609	0	0	0	0	0	0
153	U. Houston	40,116	1,151	10,299	5,140	4,361	8,343	3,086	0	7,736
154	Rush U.	39,601	0	38,251	0	0	1,350	0	0	0
155	Uniformed Services U. of the Health Sciences	37,275	0	34,119	0	0	3,156	0	0	0
156	U. AR main campus	37,016	1,302	16,595	127	9,755	115	704	0	8,418
157	OK State U. all campuses	36,958	771	16,929	538	2,408	64	1,346	3,740	11,162
158	Northeastern U.	36,028	57	10,037	1,884	7,770	1,674	892	0	13,714
159	TX A&M U. System Health Science Ctr.	35,004	436	34,095	6	0	31	9	0	427
160	Howard U.	33,996	0	26,078	212	2,254	0	0	1,003	4,449
161	U. MT-Missoula, The	33,855	1,881	25,863	1,112	3,690	352	957	0	0
162	San Diego State U.	33,139	2,061	16,328	635	2,045	5,473	813	8	5,776
163	U. PR Medical Sciences Campus	31,955	0	31,955	0	0	0	0	0	0
164	U. Toledo	31,863	1,595	19,107	49	3,603	192	124	2	7,191
165	Meharry Medical C.	31,263	0	31,263	0	0	0	0	0	0
166	Jackson State U.	30,980	3,314	8,064	4,662	4,856	413	205	6,611	2,855
167	Desert Research Institute	30,752	29,163	1,243	0	0	0	346	0	0
168	U. MD Biotechnology Institute	30,375	6,761	23,614	0	0	0	0	0	0
169	MI Technological U.	28,193	8,625	87	647	1,495	0	250	19	17,070
170	SUNY Upstate Medical U.	27,933	0	27,933	0	0	0	0	0	0
171	U. AL, The	27,744	787	3,856	6,135	3,005	1,508	1,356	35	11,062
172	NY Medical C.	26,101	0	26,101	0	0	0	0	0	0
173	C. of William and Mary all campuses	25,983	17,215	956	607	3,748	184	499	2,774	0
174	Old Dominion U.	25,694	3,131	2,205	1,614	2,758	774	1,576	0	13,636
175	U. WY	25,537	4,336	14,517	185	1,938	284	1,012	1,490	1,775
176	Syracuse U. all campuses	24,894	2,490	1,170	4,684	4,628	5,071	1,382	1	5,468
177	Loyola U. Chicago	24,794	0	23,689	0	286	638	181	0	0
178	Loma Linda U.	24,666	0	24,546	0	0	0	120	0	0
179	GA State U.	24,569	196	11,836	341	4,308	2,793	4,869	226	0
180	Hampton U.	23,836	15,945	1,203	350	2,320	0	0	2,775	1,243
181	SUNY Health Science Ctr. Brooklyn	23,232	0	23,232	0	0	0	0	0	0
182	Morehouse School of Medicine	23,230	0	23,230	0	0	0	0	0	0
183	TX Tech U.	22,874	2,979	4,979	1,181	2,709	363	2,932	0	7,731
184	Stevens Institute of Technology	22,809	3,574	2,220	1,253	1,005	0	0	403	14,354

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
185	San Jose State U.	22,609	8,690	572	409	2,296	7,879	47	168	2,548
186	Wright State U. all campuses	22,229	505	14,020	1,484	1,961	725	92	58	3,384
187	Lehigh U.	22,116	765	1,368	1,282	3,994	259	204	0	14,244
188	CUNY The City C.	21,776	217	6,122	474	6,896	155	0	0	7,912
189	U. TX El Paso	21,018	3,686	7,906	2,520	2,687	534	109	0	3,576
190	Eastern VA Medical School	20,620	0	20,620	0	0	0	0	0	0
191	U. TX San Antonio	20,545	369	12,169	3,317	1,468	45	1,506	0	1,671
192	Boston C.	20,336	7,576	2,531	504	4,958	733	4,034	0	0
193	U. MA Lowell	20,045	2,706	2,745	805	7,089	35	888	0	5,777
194	U. TX Arlington	19,774	262	806	1,380	5,125	1,116	87	0	10,998
195	IL Institute of Technology	19,731	0	8,729	2,008	3,236	626	0	0	5,132
196	U. Southern ME	19,656	448	10,408	41	18	64	8,533	52	92
197	U. North TX Health Science Ctr. Ft. Worth	19,203	0	19,203	0	0	0	0	0	0
198	OH U. all campuses	18,605	673	4,225	720	3,307	890	486	0	8,304
199	Marshall U.	18,412	18	11,945	18	312	0	0	0	6,119
200	U. WI Milwaukee	18,368	4,045	3,819	815	4,926	710	2,164	1	1,888
201	U. MO-Rolla	18,256	1,401	405	275	2,192	0	11	0	13,972
202	CO School of Mines	18,248	724	0	230	3,893	0	0	3,731	9,670
203	Wichita State U.	18,086	14	4,610	235	1,375	1,700	857	0	9,295
204	FL Atlantic U.	18,037	503	3,421	1,589	1,186	623	87	2,647	7,981
205	U. TX Dallas	17,783	128	2,985	2,832	4,521	2,390	715	383	3,829
206	U. Memphis, The	17,765	1,604	2,471	1,342	1,290	3,612	3,933	199	3,314
207	Southern IL U. Carbondale	17,724	305	12,781	279	2,204	659	432	366	698
208	Brigham Young U. all campuses	17,118	245	4,988	1,340	2,100	403	370	0	7,672
209	Portland State U.	17,054	2,261	4,572	2,172	1,502	715	3,986	0	1,846
210	SD State U.	16,729	1,201	12,600	18	446	0	342	0	2,122
211	U. SD	16,683	2	15,153	192	1,096	116	124	0	0
212	U. MO-Kansas City	16,542	0	13,672	60	1,377	659	284	0	490
213	U. South AL	16,400	3,272	10,784	160	354	535	199	0	1,096
214	U. PR Rio Piedras Campus	16,114	1,209	2,000	303	11,340	1,076	70	116	0
215	CUNY Hunter C.	15,768	254	6,183	208	3,992	4,703	428	0	0
216	NC Agricultural and Technical State U.	15,362	0	4,941	454	1,598	0	91	0	8,278
217	Catholic U. America, The	15,324	0	1,543	0	12,374	269	72	0	1,066
218	FL A&M U.	14,502	2,525	7,508	167	1,634	1	0	0	2,667
219	U.S. Air Force Academy	14,301	0	330	713	2,714	354	700	1,836	7,654
220	SUNY Binghamton	13,991	640	890	1,408	1,354	3,097	2,495	0	4,107
221	U. MD Ctr. for Environmental Science	13,365	13,365	0	0	0	0	0	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
222	Rochester Institute of Technology	13,225	193	1,718	281	6,127	146	166	0	4,594
223	Northern IL U.	13,034	1,736	2,751	323	3,495	1,753	360	0	2,616
224	U. of the VI	12,561	0	6,283	0	0	0	6,278	0	0
225	Northern AZ U.	12,409	1,240	10,108	83	434	0	212	38	294
226	ID State U.	11,911	1,403	4,629	565	4,260	0	517	144	393
227	San Francisco State U.	11,896	2,079	5,073	162	2,481	1,121	945	0	35
228	U. NC Charlotte	11,887	393	2,682	2,924	878	314	94	0	4,602
229	CA State U. Long Beach	11,856	202	1,932	169	1,143	1,026	0	479	6,905
230	Creighton U.	11,716	79	11,164	0	438	35	0	0	0
231	U. MA Dartmouth	11,456	6,434	958	975	784	36	107	0	2,162
232	U. NC Wilmington	11,362	6,341	3,305	50	542	962	79	83	0
233	SD School of Mines and Technology	11,232	1,728	0	10	195	0	0	0	9,299
234	U. Akron all campuses	11,210	162	1,640	227	4,905	45	1,202	0	3,029
235	U. PR Mayaguez Campus	11,164	3,921	444	473	2,853	0	2	0	3,471
236	Mercer U. all campuses	11,075	0	1,213	0	33	0	0	0	9,829
237	Tuskegee U.	11,033	0	7,722	0	221	0	1,876	0	1,214
238	U. LA Lafayette	10,712	11	5,772	1,251	54	1,210	151	1,361	902
239	East Carolina U.	10,354	775	7,890	155	944	165	389	36	0
240	Southern Methodist U.	10,304	2,661	1,688	545	2,871	965	141	0	1,433
241	Western MI U.	10,254	1,015	3,124	2,332	2,217	61	303	0	1,202
242	Morgan State U.	9,992	0	1,538	1,312	346	0	1,035	0	5,761
243	Boise State U.	9,924	968	3,260	59	456	0	496	0	4,685
244	CA State U. Los Angeles	9,819	740	4,378	232	2,776	171	40	0	1,482
245	Kent State U. all campuses	9,801	261	1,786	742	4,439	1,822	751	0	0
246	Worcester Polytechnic Institute	9,545	0	741	2,057	675	0	18	0	6,054
247	Albany Medical C.	9,521	0	9,521	0	0	0	0	0	0
248	Prairie View A&M U.	9,217	0	5,086	112	1,613	0	0	0	2,406
249	U. MA Boston	9,152	972	2,519	1,193	234	1,898	2,264	0	72
250	Villanova U.	9,077	0	493	3,441	1,392	68	17	0	3,666
251	Miami U. all campuses	8,964	480 i	2,598 i	0 i	2,807 i	1,114 i	845 i	954 i	166 i
252	TX Tech U. Health Science Ctr.	8,765	0	8,765	0	0	0	0	0	0
253	Southwest MO State U.	8,740	223	924	115	7,409	19	50	0	0
254	Universidad Central del Caribe	8,672	0	8,672	0	0	0	0	0	0
255	TN State U.	8,475	0	5,681	226	718	0	0	0	1,850
256	AL A&M U.	8,467	0	5,949	0	1,551	0	0	321	646
257	Western KY U.	8,225	940	1,596	62	5,283	274	0	0	70
258	Clark Atlanta U.	7,905	0	3,437	999	2,966	49	26	50	378

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
259	Alcorn State U.	7,874	0	7,874	0	0	0	0	0	0
260	U. Tulsa	7,851	122	714	2,825	852	553	239	0	2,546
261	SUNY C. of Environmental Science and Forestry	7,842	1,733	3,412	0	957	0	3	0	1,737
262	U. Denver	7,694	0	1,465	298	1,817	2,321	78	0	1,715
263	Rosalind Franklin U. of Medicine and Science	7,689	0	7,148	0	0	541	0	0	0
264	Teachers C. Columbia U.	7,655	0	1,786	0	0	3,816	2,053	0	0
265	U. HI Hilo	7,610	1,967	4,633	0	278	134	37	561	0
266	VA State U.	7,604	0	6,604	434	0	8	0	0	558
267	Clarkson U.	7,587	0	451	224	1,601	0	0	0	5,311
268	U.S. Naval Academy	7,575	73	0	736	1,725	0	374	0	4,667
269	CA State U. Northridge	7,339	707	757	1,054	1,931	651	186	1,437	616
270	CUNY Queens C.	7,238	191	5,069	121	778	974	105	0	0
271	U. North TX	7,192	441	1,524	738	1,775	0	311	0	2,403
272	U.S. Military Academy	7,043	121	0	1,499	278	870	2,648	0	1,627
273	U. GU	6,867	830	6,037	0	0	0	0	0	0
274	Marquette U.	6,842	0	3,026	352	1,054	87	112	31	2,180
275	Air Force Institute of Technology	6,681	18	0	1,417	2,144	0	0	0	3,102
276	TX A&M U. Corpus Christi	6,609	1,913	2,954	1,167	262	0	0	225	88
277	Ponce School of Medicine	6,594	0	6,594	0	0	0	0	0	0
278	DE State U.	6,487	300	3,818	611	1,126	0	0	489	143
279	Embry-Riddle Aeronautical U.	6,419	561	0	0	394	0	0	4,039	1,425
280	Polytechnic U.	6,329	0	0	2,288	1,316	0	329	0	2,396
281	Bowling Green State U. all campuses	6,299	432	788	379	2,527	519	1,328	0	326
282	TN Technological U.	6,076	0	577	136	803	171	0	0	4,389
283	Fisk U.	6,000	0	0	0	6,000	0	0	0	0
284	Norfolk State U.	5,998	0	271	1,114	3,975	0	80	0	558
285	Wheeling Jesuit U.	5,974	0	72	0	0	0	30	0	5,872
286	New School, The	5,922	0	0	5,690	0	174	58	0	0
287	FL Institute of Technology	5,570	784	942	637	1,906	0	0	0	1,301
288	CA State Polytechnic U. San Luis Obispo	5,391	754	1,079	107	95	6	2	2,590	758
289	Oakland U.	5,386	0	1,124	382	1,719	76	0	0	2,085
290	U. NC Greensboro	5,256	13	2,964	190	628	1,105	356	0	0
291	Cleveland State U.	5,097	121	1,072	0	86	24	976	0	2,818
292	Wesleyan U.	5,094	124	2,461	39	1,765	584	121	0	0
293	TX A&M U. Kingsville	5,067	260	2,434	200	96	0	0	0	2,077
294	U. AK Anchorage all campuses	4,967	757	2,132	0	69	26	1,041	340	602
295	U. PR Humacao	4,930	0	600	600	3,730	0	0	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
296	East TN State U.	4,864	0	4,449	102	112	83	46	72	0
297	Tarleton State U.	4,852	396	4,249	207	0	0	0	0	0
298	Morehouse C.	4,743	0	1,033	61	947	466	2,236	0	0
299	AR State U. main campus	4,694	0	696	17	3,904	0	0	0	77
300	CA State U. Dominguez Hills	4,580	0	782	3,367	273	97	61	0	0
301	Ball State U.	4,541	14	2,807	826	182	3	550	9	150
302	MT Tech of the U. MT	4,445	1,364	561	0	448	0	0	0	2,072
303	Southern U. and A&M C. all campuses	4,375	1,912	195	69	728	0	403	0	1,068
304	NC Central U.	4,337	0	3,883	0	454	0	0	0	0
305	Xavier U. LA	4,268	0	2,465	177	1,583	12	0	0	31
306	U. MO-St. Louis	4,240	0	1,807	219	1,087	147	980	0	0
307	CUNY Brooklyn C.	4,207	0	1,245	1,017	619	1,326	0	0	0
308	Lincoln U. (Jefferson City, MO)	4,169	891	2,107	0	0	0	525	646	0
309	LA Tech U.	4,151	151	1,225	539	718	44	0	0	1,474
310	C. Charleston	4,071	2,249	911	291	422	0	38	160	0
311	U. West FL	4,017	0	1,919	1,436	0	0	295	0	367
312	U. DC	4,002	62	1,539	0	464	0	1,070	0	867
313	CUNY Herbert H. Lehman C.	3,980	0	1,502	324	143	1,849	31	131	0
314	Duquesne U.	3,856	0	2,298	169	1,359	0	30	0	0
315	CA State U. Monterey Bay	3,832	3,315	517	0	0	0	0	0	0
316	James Madison U.	3,809	521	1,172	1,449	411	55	9	11	181
317	CA State U. Fullerton	3,792	211	1,961	0	106	2	1,333	105	74
318	St. Francis U. (Loretto, PA)	3,677	135	3,542	0	0	0	0	0	0
319	TX Southern U.	3,651	0	3,154	0	481	0	16	0	0
320	Langston U.	3,582	0	3,582	0	0	0	0	0	0
321	CA State U. San Bernardino	3,553	210	163	276	494	498	110	1,467	335
322	U. NC Asheville	3,473	514	1	635	1,958	0	125	169	71
323	Nova Southeastern U.	3,470	1,555	1,252	0	0	663	0	0	0
324	Gallaudet U.	3,460	0	411	0	46	3,003	0	0	0
325	U. TX-Pan American	3,457	136	1,237	51	368	0	323	0	1,342
326	KY State U.	3,451	0	3,414	0	0	0	0	0	37
327	Spelman C.	3,361	0	2,261	377	693	9	21	0	0
328	U. MD Eastern Shore	3,288	818	2,288	0	182	0	0	0	0
329	Stephen F. Austin State U.	3,285	10	893	0	0	0	4	2,378	0
330	Wellesley C.	3,210	25	723	232	862	0	84	1,284	0
331	Southern IL U. Edwardsville	3,133	349	2,146	147	206	0	0	23	262
332	U. CA, Merced	3,119	486	945	47	335	0	154	0	1,152

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
333	Rowan U.	3,102	0	95	1,001	239	664	6	0	1,097
334	U. AR Pine Bluff	3,091	0	2,925	0	166	0	0	0	0
335	IL State U.	3,074	13	2,238	29	598	43	153	0	0
336	TX Christian U.	3,022	39	74	7	634	2,238	0	0	30
337	Western WA U.	2,910	820	643	68	444	86	565	274	10
338	Smith C.	2,858	31	858	488	363	557	29	0	532
339	Baylor U.	2,829	307	643	213	638	103	644	0	281
340	Northeastern OH Universities C. of Medicine	2,777	0	2,777	0	0	0	0	0	0
341	Clark U.	2,734	819	554	0	509	606	246	0	0
342	Ft. Valley State U.	2,610	0	2,610	0	0	0	0	0	0
343	La Salle U.	2,598	0	0	18	0	0	0	2,580	0
344	SC State U.	2,587	0	834	0	612	0	1,076	0	65
345	West TX A&M U.	2,558	244	1,173	0	0	0	22	0	1,119
346	U. North FL	2,535	1	675	50	1,228	72	57	0	452
347	TX State U. San Marcos	2,528	842	554	306	762	0	0	64	0
348	Barnard C.	2,511	339	92	146	340	1,592	2	0	0
349	Humboldt State U.	2,510	223	1,860	315	0	0	89	0	23
350	CA State U. Fresno	2,477	0 i	1,884 i	0 i	222 i	371 i	0 i	0 i	0 i
351	CUNY York C.	2,468	0	2,468	0	0	0	0	0	0
352	CA State Polytechnic U. Pomona	2,466	8	2,402	0	0	0	0	11	45
353	CUNY Graduate Ctr.	2,431	41	16	374	230	190	783	797	0
354	Black Hills State U.	2,409	236	1,823	0	0	146	204	0	0
355	St. Joseph's U.	2,403	0	441	589	7	0	234	1,132	0
356	FL Gulf Coast U.	2,386	1,563	666	7	44	0	0	106	0
357	DePaul U.	2,284	65	46	794	120	1,198	43	18	0
358	Fordham U.	2,268	0	1,865	0	5	160	159	79	0
359	Central State U.	2,263	116	232	116	116	0	116	0	1,567
360	Savannah State U.	2,257	863	396	407	0	0	0	0	591
361	SUNY C. of Optometry	2,164	0	2,164	0	0	0	0	0	0
362	U. WI La Crosse	2,147	608	886	127	300	0	31	7	188
363	Long Island U. all campuses	2,102 i	0 i	1,859 i	0 i	120 i	10 i	113 i	0 i	0 i
364	Winston-Salem State U.	2,086 i	0 i	1,465 i	210 i	411 i	0 i	0 i	0 i	0 i
365	U. WI Superior	2,068	1,141	0	36	0	0	891	0	0
366	Appalachian State U.	2,059	145	887	89	714	134	90	0	0
367	U. Central AR	2,034	273 i	579 i	209 i	335 i	71 i	90 i	84 i	393 i
368	Alfred U. all campuses	2,002	37	0	0	55	559	0	0	1,351
369	Chicago State U.	1,993	0	0	0	0	0	0	1,993	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
370	Mt. Holyoke C.	1,989	551	114	281	834	81	128	0	0
371	Bowie State U.	1,960	0	56	1,904	0	0	0	0	0
372	Dillard U.	1,959	0	566	0	0	0	1,393	0	0
373	Lamar U.	1,925	30	0	28	20	0	0	0	1,847
374	Sam Houston State U.	1,923	1,154	2	311	109	0	37	310	0
375	Central WA U.	1,909	1,654	111	4	120	0	20	0	0
376	Oglala Lakota C.	1,835	748	734	0	112	0	0	182	59
377	Shaw U.	1,826	209	1,289	0	328	0	0	0	0
378	American U.	1,800	0	126	57	569	280	740	28	0
379	WV State U.	1,795	94	1,678	0	23	0	0	0	0
380	Elizabeth City State U.	1,792	61	894	79	0	0	757	0	1
381	Monmouth U.	1,762	294	0	1,402	66	0	0	0	0
382	Eastern MI U.	1,719	0	86	48	263	78	29	0	1,215
383	Williams C.	1,705	59 i	497 i	163 i	349 i	35 i	108 i	74 i	420 i
384	AL State U.	1,685	0	1,612	0	0	0	73	0	0
385	Santa Clara U.	1,682 i	47 i	1,170 i	79 i	143 i	25 i	25 i	11 i	182 i
386	CA State U. East Bay	1,652	400	782	109	287	0	9	65	0
387	Sul Ross State U.	1,632	964	505	0	0	0	163	0	0
388	Middlebury C.	1,597	243	625	98	459	28	144	0	0
389	OR Institute of Technology	1,593	0	0	42	0	0	0	0	1,551
390	Kettering U.	1,583	0	0	0	15	0	0	0	1,568
391	Benedict C.	1,573	34	1,037	68	34	0	0	0	400
392	Seton Hall U.	1,551	0	1,297	0	254	0	0	0	0
393	Lawrence Technological U.	1,546	0	0	0	0	0	0	0	1,546
394	Fayetteville State U.	1,527	0	426	354	74	23	650	0	0
395	CUNY John Jay C. of Criminal Justice	1,509	0	5	21	0	947	536	0	0
396	PA C. of Optometry	1,500	0	1,500	0	0	0	0	0	0
397	Dowling C.	1,482	0	56	129	0	0	0	0	1,297
398	St. John's U. (Jamaica, NY)	1,478	0	542	0	28	907	0	1	0
399	SUNY C. Old Westbury	1,468	0	1,014	5	423	0	26	0	0
400	Western Carolina U.	1,435	290	477	138	8	0	375	0	147
401	Hope C.	1,432	41	502	243	407	0	0	0	239
402	Carleton C.	1,417	683	242	98	238	75	81	0	0
403	Bowdoin C.	1,402	188	765	71	189	85	104	0	0
404	Wilberforce U.	1,360	0	80	1,280	0	0	0	0	0
405	GA Southern U.	1,348	346	725	95	182	0	0	0	0
406	U. Richmond	1,328	0	244	113	690	281	0	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
407	SUNY C. Geneseo	1,310	0	57	542	693	18	0	0	0
408	Northwestern Health Sciences U.	1,289	0	1,289	0	0	0	0	0	0
409	Colgate U.	1,283	379	252	116	296	11	229	0	0
410	Pittsburg State U.	1,258	0	109	0	63	0	0	0	1,086
411	Central MI U.	1,257	48	349	262	443	139	0	0	16
412	Morehead State U.	1,257	11	254	25	19	255	508	0	185
413	CUNY C. Staten Island	1,256	0	20	182	1,019	0	0	0	35
414	Southern CT State U.	1,249	0	0	0	436	424	389	0	0
415	Harvey Mudd C.	1,231	0	88	479	442	0	0	1	221
416	Ithaca C.	1,226	0	413	715	81	17	0	0	0
417	Pomona C.	1,226	29	202	181	311	463	40	0	0
418	Bryn Mawr C.	1,222	130	219	17	497	341	18	0	0
419	U. LA Monroe	1,194	0	329	0	0	0	865	0	0
420	U. Redlands	1,173	1,120	0	0	53	0	0	0	0
421	U. AR Little Rock	1,140 i	0 i	0 i	210 i	157 i	30 i	35 i	0 i	708 i
422	Milwaukee School of Engineering	1,133	0	645	0	40	0	0	0	448
423	Governors State U.	1,113	0	1,009	104	0	0	0	0	0
424	U. WI Stevens Point	1,112	498	521	0	69	0	24	0	0
425	Amherst C.	1,100	22	430	32	434	52	130	0	0
426	U. Northern IA	1,093	0	515	50	418	0	110	0	0
427	Montclair State U.	1,087	647 i	299 i	141 i	0 i	0 i	0 i	0 i	0 i
428	CA State U. Chico	1,083 i	4 i	356 i	149 i	36 i	9 i	29 i	0 i	500 i
429	Loyola Marymount U.	1,082	0	185	176	41	330	14	0	336
430	U. Northern CO	1,079	36	208	140	411	0	105	179	0
431	U. Hartford	1,059	0	0	204	0	0	0	0	855
432	Southeastern LA U.	1,055	0	745	7	300	0	3	0	0
433	Middle TN State U.	1,011	0	375	166	408	0	32	0	30
434	Tougaloo C.	1,007	0	1,007	0	0	0	0	0	0
435	U.S. Coast Guard Academy	999	35	0	0	36	0	12	0	916
436	U. IL Springfield	997	0	0	104	5	0	872	16	0
437	IN State U. all campuses	991	300	76	0	130	476	9	0	0
438	Claremont Graduate U.	986	0	0	267	0	591	128	0	0
439	U. New England	978	138	840	0	0	0	0	0	0
440	SUNY C. Plattsburgh	973	246	18	0	709	0	0	0	0
441	Bucknell U.	958	0	352	0	246	0	0	0	360
442	Albany State U.	952	0	0	0	0	0	0	0	952
443	U. AK Southeast all campuses	941	175	567	0	0	0	26	173	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
444	U. TX Tyler	937	14	179	256	0	0	7	0	481
445	Hamilton C. (Clinton, NY)	932	154	168	0	355	181	74	0	0
446	Franklin & Marshall C.	909	147	187	64	478	0	33	0	0
447	Northern KY U.	908	0	343	0	220	176	169	0	0
448	U. of the Pacific	908	0	656	8	206	0	0	0	38
449	SUNY C. Oswego	903	49	0	0	162	617	3	72	0
450	Bates C.	887	49	574	11	253	0	0	0	0
451	St. Cloud State U.	885	8	558	0	58	0	234	0	27
452	NY Institute of Technology all campuses	865	0	146	456	0	0	10	0	253
453	Claflin U.	864	0	864	0	0	0	0	0	0
454	MS Valley State U.	844	0	0	313	17	0	0	0	514
455	Sinte Gleska U.	830	171	173	0	205	0	0	0	281
456	Lafayette C.	826	97	22	145	260	0	0	0	302
457	Towson U.	820	0	152	304	306	0	58	0	0
458	SUNY C. Brockport	819	94	440	30	245	0	0	10	0
459	Coastal Carolina U.	818	702	38	0	78	0	0	0	0
460	SUNY C. Buffalo	810	86	0	0	119	134	471	0	0
461	U. WI Eau Claire	804	140	161	39	464	0	0	0	0
462	Midwestern U. (Chicago, IL)	801	0	801	0	0	0	0	0	0
463	CT C.	800	0	213	17	425	120	25	0	0
464	Augustana C. (Sioux Falls, SD)	798	0	588	73	137	0	0	0	0
465	Roger Williams U. Bristol	790	135	434	0	221	0	0	0	0
466	NM Highlands U.	782	99	173	0	510	0	0	0	0
467	C. of the Holy Cross	779	0	73	128	214	331	33	0	0
468	Philadelphia U.	776	0	0	0	0	0	0	776	0
469	Furman U.	775	53	139	24	427	132	0	0	0
470	TX Woman's U.	755	0	661	0	53	0	32	9	0
471	Occidental C.	745	71	61	0	441	0	171	1	0
472	Swarthmore C.	741	0	34	28	325	271	9	14	60
473	New England C. of Optometry	729	0	729	0	0	0	0	0	0
474	St. Olaf C.	725	0	390	16	246	73	0	0	0
475	Colby C.	723	20	289	217	174	6	17	0	0
476	Trinity U.	715	52	311	97	196	35	22	0	2
477	U. West GA	708	210	131	33	304	0	30	0	0
478	West Chester U. PA	699	0	413	0	286	0	0	0	0
479	Western IL U.	698	9	297	0	392	0	0	0	0
480	MT State U. Billings	694	46	408	0	230	0	10	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
481	U. WI Oshkosh	690	33	567	21	68	0	0	1	0
482	U. WI Green Bay	687	687	0	0	0	0	0	0	0
483	Western U. of Health Sciences	680	0	680	0	0	0	0	0	0
484	Claremont McKenna C.	678 i	39 i	253 i	46 i	115 i	47 i	50 i	16 i	112 i
485	Millersville U. PA	668	452	99	117	0	0	0	0	0
486	Reed C.	658	0	356	0	105	195	2	0	0
487	Davidson C.	656	0	531	125	0	0	0	0	0
488	Union C. (Schenectady, NY)	647	92	72	54	179	26	11	0	213
489	IL Wesleyan U.	644	0	24	0	359	258	3	0	0
490	Murray State U.	642	203	157	116	91	0	0	0	75
491	Oberlin C.	639	214	129	0	245	24	27	0	0
492	St. Mary's U. (San Antonio, TX)	623	0	40	0	0	0	0	549	34
493	Haverford C.	622	0 i	280 i	25 i	264 i	53 i	0 i	0 i	0 i
494	Calvin C.	600	0	145	42	149	86	0	178	0
495	Vassar C.	600	81	245	118	84	0	66	0	6
496	Christopher Newport U.	596	0	128	0	448	20	0	0	0
497	Adelphi U.	594	0	594	0	0	0	0	0	0
498	Eastern IL U.	589	71	361	13	76	67	0	0	1
499	Millsaps C.	588	0	529	0	12	0	47	0	0
500	Lewis and Clark C.	586	4	525	12	45	0	0	0	0
501	CA State U. Bakersfield	584	175	158	47	204	0	0	0	0
502	Valparaiso U.	582	0	54	68	417	0	0	0	43
503	Mills C.	575 i	44 i	140 i	62 i	217 i	21 i	21 i	27 i	43 i
504	Trinity C. (Hartford, CT)	575	0	101	30	334	0	0	85	25
505	Augsburg C.	563	0	0	99	464	0	0	0	0
506	Philadelphia C. of Osteopathic Medicine	560	0	560	0	0	0	0	0	0
507	Fuller Theological Seminary CA	553	0	0	0	0	553	0	0	0
508	Evergreen State C.	548	430	65	47	0	0	0	6	0
509	Rose-Hulman Institute of Technology	532	0	0	0	486	0	0	0	46
510	Hofstra U.	515	0	216	0	105	81	0	0	113
511	Mt. St. Mary's C. (Los Angeles, CA)	515	0	454	0	61	0	0	0	0
512	U. San Francisco	513	2	63	0	200	177	71	0	0
513	Hobart and William Smith Colleges	506	215	0	0	144	19	128	0	0
514	Seattle U.	505 i	29 i	63 i	0 i	326 i	0 i	0 i	0 i	87 i
515	CUNY Medgar Evers C.	495	210	96	0	189	0	0	0	0
516	Central CT State U.	485	0	194	0	159	0	132	0	0
517	Macalester C.	483	44	113	41	178	68	39	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
518	Providence C.	483	0	458	0	25	0	0	0	0
519	Daemen C.	481	0	481	0	0	0	0	0	0
520	U. of the Sciences Philadelphia	478	0	322	0	114	0	42	0	0
521	Hampshire C.	476	94	252	13	15	0	21	81	0
522	Eastern KY U.	471	113	136	28	194	0	0	0	0
523	Youngstown State U.	464	9	115	1	339	0	0	0	0
524	Grand Valley State U.	463	199	212	0	30	0	0	0	22
525	Lincoln U. (Lincoln University, PA)	450	0	238	0	50	0	0	162	0
526	Southern OR U.	447	75	282	0	25	0	65	0	0
527	Pace U. all campuses	443	4	328	22	0	0	0	89	0
528	Bridgewater State C.	433	62 i	0 i	0 i	371 i	0 i	0 i	0 i	0 i
529	Grambling State U.	428	114	2	0	312	0	0	0	0
530	Arcadia U.	426	0	65	204	6	0	144	7	0
531	Rhodes C.	421	0	129	0	176	116	0	0	0
532	Eastern OR U.	418	0	255	0	163	0	0	0	0
533	Universidad del Turabo	417	417	0	0	0	0	0	0	0
534	Siena C.	415 i	25 i	186 i	14 i	64 i	5 i	36 i	20 i	65 i
535	U. PR Cayey	411	0	253	0	20	2	0	136	0
536	Universidad del Este	407	1	406	0	0	0	0	0	0
537	Northeastern State U.	404	0	404	0	0	0	0	0	0
538	Mercy C.	401	0	381	5	0	15	0	0	0
539	Bluefield State C.	396	0	396	0	0	0	0	0	0
540	Saginaw Valley State U.	396	0	0	1	11	0	0	0	384
541	Sarah Lawrence C.	385	115	58	6	172	0	0	34	0
542	Eastern WA U.	384	40	284	0	0	0	60	0	0
543	Muhlenberg C.	384	0	384	0	0	0	0	0	0
544	U. Puget Sound	381	1	222	0	0	0	143	15	0
545	Loyola C.	377	0	0	344	17	0	16	0	0
546	U. Portland	373	12	96	46	153	0	66	0	0
547	Jacksonville State U.	371	95	276	0	0	0	0	0	0
548	Hendrix C.	369	7	85	0	201	0	0	0	76
549	Skidmore C.	369	0	217	0	81	71	0	0	0
550	Bradley U.	357	0	119	0	119	0	0	0	119
551	National U. of Health Sciences	351	0	351	0	0	0	0	0	0
552	Point Loma Nazarene C.	348	0	268	0	80	0	0	0	0
553	Mercyhurst C.	347	0	0	0	0	0	172	175	0
554	Kennesaw State U.	341	0	341	0	0	0	0	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
555	Southeastern OK State U.	332	0	61	0	271	0	0	0	0
556	U. New Haven	332	45	0	0	30	0	0	223	34
557	Andrews U.	321	0	2	64	30	0	225	0	0
558	Rider U.	321	0	321	0	0	0	0	0	0
559	U. NC Pembroke	319	58	14	0	247	0	0	0	0
560	Gettysburg C.	315	10	34	0	178	0	93	0	0
561	Dickinson C.	312	74	90	44	62	42	0	0	0
562	Manhattan C.	311 i	0 i	0 i	0 i	9 i	0 i	0 i	0 i	302 i
563	West Liberty State C.	310	0	310	0	0	0	0	0	0
564	U. Central OK	308	0	98	0	0	0	0	0	210
565	TX A&M U. Commerce	305	0	8	15	245	0	0	0	37
566	U. of St. Thomas (St. Paul, MN)	302	15	28	167	64	0	18	0	10
567	U. San Diego	297	141	50	0	106	0	0	0	0
568	Drake U.	294	13	90	0	171	0	0	20	0
569	John Carroll U.	293	0	59	234	0	0	0	0	0
570	U. Baltimore	286	0	0	0	0	0	286	0	0
571	Polytechnic U. PR	285	0	0	0	0	0	0	0	285
572	Maharishi U. of Management	280	0	280	0	0	0	0	0	0
573	Sonoma State U.	280	0	250	0	0	14	16	0	0
574	Allegheny C.	278	39	36	0	203	0	0	0	0
575	Bard C.	278 i	16 i	104 i	19 i	47 i	19 i	20 i	7 i	46 i
576	Whitman C.	277	83	128	0	54	12	0	0	0
577	Southern Polytechnic State U.	272	0	0	41	0	0	0	152	79
578	U. Scranton	272	0	131	0	141	0	0	0	0
579	Ursinus C.	272	16	226	0	30	0	0	0	0
580	OH Wesleyan U.	263	0	69	9	47	138	0	0	0
581	U. CA Office of the President	256	0	102	0	0	0	0	154	0
582	Lawrence U.	254	61	68	0	125	0	0	0	0
583	Pacific Lutheran U.	251	0	35	0	214	2	0	0	0
584	Albany C. of Pharmacy	250	0	250	0	0	0	0	0	0
585	Universidad Metropolitana	248	43	179	0	26	0	0	0	0
586	Indiana U. PA all campuses	246	16	113	0	40	4	73	0	0
587	Washington and Lee U.	246	0	37	51	158	0	0	0	0
588	Northeastern IL U.	245	0	0	52	108	85	0	0	0
589	Wabash C.	241	0	1	75	165	0	0	0	0
590	Simmons C.	240	0	45	0	11	0	22	162	0
591	Truman State U.	238	0	213	0	25	0	0	0	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
592	SUNY C. Cortland	237	71	97	2	57	0	10	0	0
593	Southwestern OK State U.	230	0	0	0	230	0	0	0	0
594	Coe C.	228	0	50	0	178	0	0	0	0
595	U. Detroit Mercy	227 i	0 i	36 i	0 i	123 i	0 i	5 i	0 i	63 i
596	Mayville State U.	224	0	224	0	0	0	0	0	0
597	DePauw U.	221 i	20 i	52 i	14 i	66 i	11 i	4 i	20 i	34 i
598	Western CT State U.	221	0	108	0	113	0	0	0	0
599	C. Wooster	219	28	42	0	149	0	0	0	0
600	Goucher C.	216	0	203	0	13	0	0	0	0
601	Heritage U. (Toppenish, WA)	210	0	210	0	0	0	0	0	0
602	Loyola U. New Orleans	206	0	84	0	122	0	0	0	0
603	MN State U. Mankato	203	0	49	0	54	0	0	46	54
604	Carlos Albizu U. (San Juan, PR)	202	0	0	0	0	202	0	0	0
605	Chapman U.	198	0	87	42	69	0	0	0	0
606	Miles C.	197	0	8	36	153	0	0	0	0
607	MA C. of Pharmacy and Health Sciences	196	0	144	0	52	0	0	0	0
608	Abilene Christian U.	194	0	0	0	194	0	0	0	0
609	LeTourneau U.	189	0	0	0	0	0	0	0	189
610	Fairfield U.	182	0	163	0	2	10	7	0	0
611	Juniata C.	181	0	98	0	83	0	0	0	0
612	Troy U. main campus	181	0	36	0	145	0	0	0	0
613	U. WI Whitewater	180	0	159	0	21	0	0	0	0
614	U. WI Stout	175	0	40	130	0	0	0	5	0
615	Berry C.	174 i	0 i	64 i	27 i	13 i	70 i	0 i	0 i	0 i
616	AR Tech U.	171 i	102 i	60 i	0 i	0 i	0 i	0 i	0 i	9 i
617	Nicholls State U.	167	0	38	8	0	0	0	0	121
618	Cheyney U. PA	166	0	166	0	0	0	0	0	0
619	CA State U. Sacramento	163	0	0	0	0	0	0	0	163
620	U. Houston-Clear Lake	159	12	76	41	0	30	0	0	0
621	Winona State U.	158	0	155	1	0	0	2	0	0
622	Denison U.	156	19	44	5	88	0	0	0	0
623	Southern U. New Orleans	154	0	0	0	0	0	0	154	0
624	Jacksonville U.	153	0	153	0	0	0	0	0	0
625	Sweet Briar C.	151	0	111	0	22	0	18	0	0
626	U. WI River Falls	150	0	24	0	115	0	11	0	0
627	Ft. Lewis C.	147	4	118	0	14	0	11	0	0
628	U. TX of the Permian Basin	147	0	57	0	33	0	43	14	0

TABLE 39. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
629	Grinnell C.	145	0	0	138	7	0	0	0	0
630	Northern MI U.	143	56	69	0	0	18	0	0	0
631	Pacific U.	142	0	142	0	0	0	0	0	0
632	McNeese State U.	140	135	5	0	0	0	0	0	0
633	U. Houston-Downtown	123	0	80	43	0	0	0	0	0
634	A.T. Still U. of Health Sciences	120	0	120	0	0	0	0	0	0
635	Pitzer C.	116	0	0	62	0	0	54	0	0
636	Kalamazoo C.	114	0	81	12	21	0	0	0	0
637	Des Moines U.	108	0	108	0	0	0	0	0	0
638	Wilkes U.	108	51	57	0	0	0	0	0	0
639	Gustavus Adolphus C.	102	36	0	1	65	0	0	0	0
640	William Paterson U. NJ	97 i	17 i	32 i	7 i	15 i	8 i	5 i	4 i	9 i
641	Augustana C. (Rock Island, IL)	90 i	56 i	33 i	0 i	0 i	0 i	0 i	1 i	0 i
642	VA Military Institute	89	0	0	0	18	0	0	0	71
643	Willamette U.	87	0	2	74	0	0	0	11	0
644	U. WI Parkside	84	4	33	0	25	0	22	0	0
645	Canisius C.	76	0	0	35	41	0	0	0	0
646	Lake Forest C.	76	0	76	0	0	0	0	0	0
647	St. Mary's C. MD	76	0	22	0	12	42	0	0	0
648	CO State U. Pueblo	55	0	38	0	14	0	3	0	0
649	C. NJ, The	49	0	43	0	6	0	0	0	0
650	U. WI Platteville	46	0	0	0	0	0	0	2	44
651	Angelo State U.	45	0	33	0	12	0	0	0	0
652	CUNY Baruch C.	40	0	0	9	0	31	0	0	0
653	Roanoke C.	26	0	0	0	26	0	0	0	0
654	Kansas City U. of Medicine and Biosciences	16	0	16	0	0	0	0	0	0
655	U. of the South	13	3	0	10	0	0	0	0	0
656	Seattle Pacific U.	10 i	1 i	4 i	0 i	2 i	1 i	0 i	0 i	2 i
657	SUNY Fredonia	8	0	0	0	8	0	0	0	0

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$740,949 in federally financed R&D expenditures in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	18,990,022	890,380	11,415,955	566,700	1,165,226	263,476	1,026,110	607,213	3,054,962
1	OH State U. all campuses	406,964	3,143	217,405	21,894	8,637	1,546	15,389	24,776	114,174
2	U. CA, San Francisco	375,438	0	368,794	0	6,644	0	0	0	0
3	U. WI Madison	371,596	13,136	273,315	5,789	19,071	2,464	20,658	77	37,086
4	U. FL	352,016	3,747	266,617	3,341	9,214	5,910	13,360	0	49,827
5	U. CA, Davis	343,514	21,922	245,201	3,284	7,961	1,606	17,681	5,082	40,777
6	U. CA, Los Angeles	334,237	2,329	244,145	5,387	14,902	2,805	30,125	9,683	24,861
7	U. CA, San Diego	323,188	56,908	173,481	20,141	11,784	1,971	7,812	446	50,645
8	Duke U.	322,721	5,749	289,634	1,884	3,741	1,052	8,423	0	12,238
9	TX A&M U.	315,525	36,958	124,048	5,066	20,425	1,249	8,053	7,507	112,219
10	U. TX M. D. Anderson Cancer Ctr.	306,031	0	267,970	17,030	3,739	11,950	2,782	0	2,560
11	U. CA, Berkeley	301,322	4,713	83,402	2,318	32,560	4,181	46,380	28,737	99,031
12	U. MN all campuses	286,183	8,479	207,284	8,800	7,263	5,583	16,440	0	32,334
13	PA State U. all campuses	281,355	30,027	107,432	13,715	22,918	6,998	14,970	356	84,939
14	Cornell U. all campuses	274,842	2,695	180,591	9,494	30,246	2,634	20,260	0	28,922
15	U. AZ	261,812	6,234	139,418	2,207	65,508	2,313	12,176	0	33,956
16	Purdue U. all campuses	249,535	2,181	114,710	5,821	9,843	702	15,294	4,892	96,092
17	VA Polytechnic Institute and State U.	238,164	5,394	114,124	8,478	9,576	1,806	6,194	612	91,980
18	U. MI all campuses	231,530	3,513	128,292	3,058	11,488	3,051	35,411	339	46,378
19	U. GA	229,356	9,166	152,980	6,913	9,963	7,141	37,705	0	5,488
20	LA State U. all campuses	226,771	20,973	141,324	3,557	10,918	955	5,114	12,837	31,093
21	U. IL Urbana-Champaign	220,278	23,682	80,235	24,992	18,222	4,621	15,705	1,613	51,208
22	GA Institute of Technology all campuses	212,361	5,496	11,796	25,952	17,093	3,021	15,558	3,699	129,746
23	SUNY Albany	203,445	1,381	13,213	415	61,606	330	4,103	0	122,397
24	NC State U.	200,606	8,095	115,401	9,835	6,590	5	8,140	2,393	50,147
25	U. PA	198,560	370	157,032	2,021	5,349	1,069	15,636	6,712	10,371
26	U. NE all campuses	198,130	1,449	131,842	6,728	7,153	4,310	11,110	16,858	18,680
27	U. MD Baltimore	194,640	0	194,640	0	0	0	0	0	0
28	Northwestern U.	193,934	579	149,066	1,056	7,280	1,317	5,640	5,901	23,095
29	Johns Hopkins U., The ^a	191,267	1,796	143,639	1,232	2,787	409	1,295	23,826	16,283
30	MI State U.	190,502	365	122,145	3,756	22,077	1,810	19,155	1,044	20,150
31	U. KY all campuses	176,918	897	136,361	1,838	3,323	939	4,995	2,685	25,880
32	Rutgers, The State U. NJ all campuses	175,679	15,302	92,295	9,029	13,799	8,749	18,797	1,664	16,044
33	Baylor C. of Medicine	175,134	0	175,134	0	0	0	0	0	0
34	SUNY Buffalo all campuses	165,848	1,193	112,088	5,514	8,699	4,525	4,467	340	29,022
35	Clemson U.	157,855	0	44,444	5,394	6,613	578	8,714	10,061	82,051
36	U. TX Austin	157,434	28,690	16,424	10,282	25,835	853	12,330	2,241	60,779

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
37	SUNY Stony Brook all campuses	157,041	10,432	50,089	6,026	15,298	4,557	4,491	40,200	25,948
38	U. Southern CA	153,054	5,209	108,586	7,759	5,987	1,480	3,965	787	19,281
39	Stanford U.	152,724	10,422	87,071	3,002	7,859	1,030	6,862	0	36,478
40	U. TX Southwestern Medical Ctr. Dallas	149,403	0	149,403	0	0	0	0	0	0
41	Washington U. St. Louis	148,324	1,856	128,132	3,414	3,367	1,249	3,411	46	6,849
42	Rockefeller U.	147,189	0	135,620	6,907	4,662	0	0	0	0
43	U. MD College Park	140,787	2,638	39,089	15,799	19,769	349	29,505	0	33,638
44	U. IA	140,299	1,161	105,469	743	6,311	1,239	5,436	622	19,318
45	U. CA, Irvine	139,642	1,910	88,541	5,111	13,127	2,171	7,141	1,206	20,435
46	MA Institute of Technology	138,034	3,116	37,457	16,244	4,200	303	3,497	16,185	57,032
47	U. WA	136,412	12,101	86,073	812	4,582	1,245	11,511	0	20,088
48	U. IL Chicago	133,540	390	96,691	9,250	3,678	3,006	5,866	5,160	9,499
49	WA State U.	131,505	1,364	86,461	966	4,158	1,176	16,227	9,539	11,614
50	U. NC Chapel Hill	130,559	8,655	98,956	3,057	5,044	1,142	13,705	0	0
51	IN U. all campuses	129,047	786	75,448	6,412	17,630	4,099	19,681	3,229	1,762
52	Emory U.	126,938	0	112,714	322	8,608	542	2,669	694	1,389
53	U. Cincinnati all campuses	122,019	647	92,435	729	3,751	1,089	3,104	973	19,291
54	Wayne State U.	120,822	144	97,049	1,197	7,820	1,410	3,466	1,881	7,855
55	U. MO-Columbia	120,326	982	88,975	535	2,500	2,254	8,277	0	16,803
56	IA State U.	120,046	2,466	69,531	6,432	4,274	660	6,614	3,216	26,853
57	U. CA Office of the President	118,654	16,990	52,240	2,294	19,775	0	175	26,894	286
58	U. Pittsburgh all campuses	117,209	192	100,189	963	2,795	715	787	5,327	6,241
59	U. TN all campuses	116,186	1,851	66,118	2,751	4,532	873	6,329	11,335	22,397
60	U. South FL	114,219	9,795	74,663	784	3,291	2,359	6,233	5	17,089
61	U. of Medicine and Dentistry NJ	110,733	0	110,733	0	0	0	0	0	0
62	AZ State U.	109,720	1,002	23,034	8,427	4,232	1,974	11,350	5,257	54,444
63	NY U.	103,564	0	87,347	2,176	2,619	2,945	8,259	218	0
64	U. CT all campuses	101,166	3,224	73,894	1,178	2,240	3,972	3,297	4,622	8,739
65	Yale U.	99,644	577	86,041	668	4,300	2,352	1,405	0	4,301
66	MS State U.	99,545	1,591	63,813	4,012	5,321	2,123	3,986	1,183	17,516
67	Scripps Research Institute, The	93,438	0	93,438	0	0	0	0	0	0
68	U. Rochester	93,115	106	71,024	488	1,965	3,956	35	320	15,221
69	U. OK all campuses	90,403	19,053	45,800	695	6,657	580	5,061	0	12,557
70	Vanderbilt U.	86,971	100	68,941	140	2,248	2,422	954	4,907	7,259
71	U. KS all campuses	86,459	7,856	62,167	95	1,753	99	5,004	1,364	8,121
72	Columbia U. in the City of NY	86,247	4,696	60,469	1,217	1,067	230	6,699	3,406	8,463
73	Auburn U. all campuses	85,680	128	58,355	36	250	471	3,332	10,320	12,788

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
74	U. CO all campuses	85,284	9,198	51,240	1,957	7,688	2,767	1,511	150	10,773
75	Medical U. SC	83,222	0	83,100	0	0	0	0	0	122
76	U. AL Birmingham, The	82,451	0	80,378	2	557	172	211	0	1,131
77	U. CA, Santa Barbara	79,356	15,807	1,112	3,536	10,364	1,727	6,230	5,716	34,864
78	OR State U.	79,101	7,469	58,273	641	1,350	50	1,957	932	8,429
79	CO State U.	77,751	13,363	41,393	687	2,705	353	908	10,109	8,233
80	KS State U.	76,246	345	54,532	1,282	2,427	555	3,199	2,536	11,370
81	FL State U.	75,884	8,094	13,438	4,710	26,803	6,267	10,545	219	5,808
82	U. Louisville	74,747	175	60,976	225	1,933	634	1,014	827	8,963
83	U. UT	73,075	3,668	42,578	6,440	5,726	428	628	0	13,607
84	U. CA, Riverside	72,114	10,360	45,656	1,440	1,523	199	1,432	1,583	9,921
85	U. SC all campuses	69,857	16,108	13,793	1,245	9,023	2,299	5,028	13,730	8,631
86	Princeton U.	69,561	6,852	12,608	4,721	12,847	1,972	12,367	0	18,194
87	U. MA Amherst	69,377	1,471	22,216	9,524	5,271	2,449	2,889	550	25,007
88	WV U.	67,891	2,308	48,026	463	1,602	568	2,194	2,501	10,229
89	Case Western Reserve U.	67,632	75	51,011	132	2,441	47	2,085	0	11,841
90	U. TX Medical Branch	65,319	0	64,405	0	0	0	0	0	914
91	Dartmouth C.	64,682	435	46,945	1,737	3,149	1,499	325	3,956	6,636
92	U. TX Health Science Ctr. San Antonio	64,672	0	64,672	0	0	0	0	0	0
93	OK State U. all campuses	64,154	1,160	45,405	537	3,667	533	4,129	2,476	6,247
94	U. AR main campus	64,093	814	43,202	375	3,486	320	2,926	0	12,970
95	U. Miami	62,999	10,622	51,007	0	66	290	420	0	594
96	U. Central FL	62,236	8,398	3,432	506	24,349	288	784	8,778	15,701
97	ND State U. all campuses	60,733	71	46,060	209	1,937	234	5,166	3,829	3,227
98	U. Chicago	60,618	253	48,485	1,041	10,525	48	266	0	0
99	OR Health & Science U.	59,989	0	34,617	3,526	0	0	0	21,846	0
100	U. TX Health Science Ctr. Houston	59,845	0	59,845	0	0	0	0	0	0
101	Harvard U.	59,173	1,937	34,657	99	4,064	449	14,192	0	3,775
102	U. HI Manoa	58,251	10,387	20,615	441	13,053	807	1,950	8,185	2,813
103	Brown U.	57,596	2,795	22,125	8,094	7,085	837	8,621	0	8,039
104	U. CA, Santa Cruz	56,652	10,753	7,274	1,990	23,763	1,246	3,741	255	7,630
105	U. NM main campus	54,391	830	29,275	423	2,513	1,562	4,550	9,950	5,288
106	U. ME	54,172	9,443	22,975	2,776	2,335	465	3,140	3,469	9,569
107	U. WY	54,163	7,075	24,394	1,089	3,769	509	1,401	7,383	8,543
108	U. AK Fairbanks all campuses	52,194 i	24,852 i	12,502 i	1,688 i	0 i	0 i	395 i	8,768 i	3,989 i
109	Medical C. WI	50,971	0	50,971	0	0	0	0	0	0
110	UT State U.	48,117	4,970	21,502	1,047	572	1,004	1,969	10,140	6,913

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
111	Mt. Sinai School of Medicine	48,054	0	48,054	0	0	0	0	0	0
112	U. AR for Medical Sciences	47,715	0	47,715	0	0	0	0	0	0
113	NJ Institute of Technology	47,369	0	0	5,947	3,798	0	1,034	9,254	27,336
114	NM State U. main campus	47,347	377	22,077	667	2,008	445	528	3,834	17,411
115	Southern IL U. Carbondale	46,979	1,017	28,221	516	1,331	530	2,511	2,615	10,238
116	Rush U.	44,769	0	44,288	0	0	481	0	0	0
117	VA Commonwealth U.	44,316	579	34,341	272	1,182	780	5,917	0	1,245
118	Yeshiva U.	44,258	0	44,258	0	0	0	0	0	0
119	Wake Forest U.	44,142	0	43,520	198	191	24	209	0	0
120	TX A&M U. System Health Science Ctr.	42,953	0	42,888	9	0	0	6	0	50
121	U. LA Lafayette	41,363	126	22,783	9,235	928	1,471	929	2,673	3,218
122	MT State U. Bozeman	41,234	434	32,183	44	904	0	1,452	1,692	4,525
123	Tufts U.	39,447	554	26,881	550	656	2,733	5,557	0	2,516
124	FL International U.	38,762	2,352	6,578	1,642	1,351	206	1,994	18,904	5,735
125	Tulane U.	38,634	365	35,834	242	696	83	351	0	1,063
126	George Washington U.	38,486	1	25,250	2,994	865	184	5,100	558	3,534
127	U. ID	37,246	2,619	26,118	330	1,030	5	1,477	1,273	4,394
128	U. DE	35,706	2,779	14,980	688	2,629	940	3,389	1,329	8,972
129	Northeastern U.	35,474	318	9,559	1,313	7,806	461	3,898	0	12,119
130	TX Tech U.	35,004	3,352	13,901	385	3,518	209	3,870	750	9,019
131	Uniformed Services U. of the Health Sciences	34,032	0	30,869	0	0	3,163	0	0	0
132	U. Houston	33,426	2,482	5,692	2,843	4,637	7,605	1,607	0	8,560
133	U. NH	33,201	7,965	13,087	211	358	0	2,290	343	8,947
134	U. NV, Reno	33,096	3,955	14,474	332	1,218	63	145	10,383	2,526
135	San Diego State U.	32,671	1,714	7,463	1,288	1,895	5,582	5,100	3,841	5,788
136	U. VA all campuses	31,907	311	22,080	640	2,679	474	82	28	5,613
137	CA Institute of Technology	31,831	1,137	8,672	996	12,912	0	0	0	8,114
138	U. MD Biotechnology Institute	31,382	7,297	24,085	0	0	0	0	0	0
139	Temple U.	30,942	3	23,136	175	1,222	3,058	1,576	0	1,772
140	U. MS all campuses	30,718	37	25,466	41	3,219	44	378	0	1,533
141	Georgetown U.	29,932	0	23,148	7	293	103	6,381	0	0
142	Drexel U.	29,780	0	15,472	1,860	388	409	0	0	11,651
143	Wichita State U.	29,312	43	905	701	690	835	215	0	25,923
144	U. TX Dallas	28,694	369	2,797	4,364	2,579	443	1,126	1,496	15,520
145	Carnegie Mellon U.	28,657	204	1,713	9,930	2,222	886	1,513	555	11,634
146	Rensselaer Polytechnic Institute	28,314	156	2,318	1,144	2,858	211	21	0	21,606
147	Wright State U. all campuses	27,484	275	15,396	5,836	1,278	359	48	532	3,760

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
148	U. MD Ctr. for Environmental Science	27,355	27,355	0	0	0	0	0	0	0
149	MI Technological U.	27,101	3,803	836	2,355	1,817	0	784	1,427	16,079
150	GA State U.	26,818	98	10,637	1,045	4,110	1,979	7,702	1,247	0
151	U. Memphis, The	26,594	3,231	4,388	2,738	858	4,879	5,066	1,680	3,754
152	Old Dominion U.	26,440	1,963	4,045	2,081	3,723	1,139	2,782	0	10,707
153	U. MA Worcester	26,243	0	26,243	0	0	0	0	0	0
154	Thomas Jefferson U.	25,743	0	25,743	0	0	0	0	0	0
155	Woods Hole Oceanographic Institution	24,656	19,726	0	0	0	0	0	0	4,930
156	C. of William and Mary all campuses	23,871	17,047	1,327	89	999	380	1,364	2,665	0
157	Southern IL U. Edwardsville	23,771	1,612	15,836	618	1,170	0	299	1,885	2,351
158	U. RI	23,676	4,827	9,684	21	123	299	9	6,781	1,932
159	U. of Notre Dame	23,493	0	3,978	255	2,557	64	4,336	7,486	4,817
160	U. VT	23,146	125	18,633	175	106	84	57	2,805	1,161
161	SD State U.	22,304	120	18,801	9	1,401	0	802	0	1,171
162	U. MT-Missoula, The	21,900	283	11,944	70	546	118	1,060	7,879	0
163	U. WI Milwaukee	21,655	4,164	4,696	567	3,006	511	2,650	2,703	3,358
164	U. AL Huntsville, The	21,612	2,945	527	3,079	3,364	170	690	0	10,837
165	SUNY Binghamton	21,471	437	1,610	1,648	1,323	1,304	3,430	32	11,687
166	U. Toledo	20,585	1,090	9,593	66	4,002	151	145	403	5,135
167	OH U. all campuses	20,066	573	5,476	440	2,253	483	1,120	0	9,721
168	Medical C. GA	19,392	0	19,392	0	0	0	0	0	0
169	U. TX El Paso	18,947	1,684	8,860	241	2,325	217	1,334	32	4,254
170	Boston C.	18,925	538	3,080	5,349	3,985	978	4,995	0	0
171	U. ND all campuses	18,426	1,443	3,882	89	633	79	346	1,137	10,817
172	U. MD Baltimore County	17,507	3,517	1,787	1,710	958	740	4,941	1,971	1,883
173	Boston U.	17,164	167	11,876	308	728	213	410	810	2,652
174	U. MA Boston	16,800	1,867	2,998	778	290	2,234	5,692	2,916	25
175	Creighton U.	16,658	0	16,582	0	44	0	0	32	0
176	SUNY C. of Environmental Science and Forestry	16,012	2,634	7,845	0	1,305	0	14	0	4,214
177	U. Akron all campuses	15,928	39	671	215	8,559	47	2,356	0	4,041
178	Brandeis U.	15,473	0	5,560	200	971	434	8,308	0	0
179	Rice U.	15,471	371	2,951	1,425	4,522	45	190	0	5,967
180	U. Southern ME	15,143	950	7,260	578	5	17	5,364	947	22
181	U. MA Lowell	14,779	985	2,069	604	1,576	351	1,415	0	7,779
182	Miami U. all campuses	14,765	196 i	2,939 i	0 i	3,453 i	499 i	3,131 i	4,025 i	522 i
183	NM Institute of Mining and Technology	14,692	176	27	265	2,047	3	0	1,354	10,820
184	Lehigh U.	14,421	72	167	312	2,145	16	19	0	11,690

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
185	Northern AZ U.	14,157	3,409	8,219	68	721	71	778	56	835
186	U. Dayton	13,916	57	247	10	402	12	19	260	12,909
187	U. TX Arlington	12,960	108	842	806	2,045	318	210	0	8,631
188	TX Tech U. Health Science Ctr.	12,241	0	12,241	0	0	0	0	0	0
189	U. OR	12,227	281	5,414	294	2,529	808	2,071	0	830
190	U. MO-Rolla	12,139	989	205	81	542	67	7	0	10,248
191	SUNY Upstate Medical U.	11,766	0	11,766	0	0	0	0	0	0
192	CO School of Mines	11,691	1,211	0	47	2,621	0	37	1,252	6,523
193	George Mason U.	11,664	502	2,273	1,074	625	813	5,291	0	1,086
194	San Jose State U.	11,632	7,988	19	1,424	535	31	285	1,154	196
195	Syracuse U. all campuses	11,502	704	1,430	3,826	1,531	332	1,231	0	2,448
196	CUNY Hunter C.	11,278	1,405	4,075	342	1,843	1,363	2,132	118	0
197	CUNY The City C.	11,064	129	1,389	299	2,805	146	52	0	6,244
198	Cleveland State U.	10,851	139	1,361	5	478	23	7,116	0	1,729
199	Eastern VA Medical School	10,833	0	10,833	0	0	0	0	0	0
200	U. MO-Kansas City	10,328	0	8,553	14	860	463	219	0	219
201	U. NC Charlotte	10,278	838	790	3,517	375	189	1,166	0	3,403
202	Loyola U. Chicago	10,146	0	9,784	0	50	76	236	0	0
203	Air Force Institute of Technology	10,120	22	0	1,960	3,277	0	0	0	4,861
204	LA Tech U.	10,015	74	1,385	1,148	1,064	260	482	0	5,602
205	U. TX San Antonio	9,997	407	3,794	313	1,016	65	3,192	0	1,210
206	Brigham Young U. all campuses	9,535	103	2,672	208	1,040	288	1,635	0	3,589
207	Desert Research Institute	9,486	9,239	247	0	0	0	0	0	0
208	U. South AL	9,483	556	7,314	70	255	51	708	0	529
209	Clarkson U.	9,389	0	233	193	2,252	5	2	0	6,704
210	Kent State U. all campuses	9,200	120	2,042	283	5,387	1,000	367	0	1
211	CA State Polytechnic U. San Luis Obispo	9,126	3,185	2,953	1,293	309	2	63	42	1,279
212	U. North TX Health Science Ctr. Ft. Worth	8,984	0	8,984	0	0	0	0	0	0
213	Portland State U.	8,971	566	1,261	539	751	222	2,215	747	2,670
214	FL Atlantic U.	8,732	655	2,889	1,026	408	320	904	232	2,298
215	TX A&M U. Kingsville	8,727	718	6,640	25	153	0	0	88	1,103
216	NC Agricultural and Technical State U.	8,682	0	7,479	41	25	0	2	12	1,123
217	U. PR Mayaguez Campus	8,649	1,278	157	8	707	0	208	0	6,291
218	U. AL, The	8,638	590	387	1,570	840	177	807	115	4,152
219	U. AR Little Rock	8,543 i	250 i	1,114 i	2,144 i	313 i	692 i	3,939 i	0 i	91 i
220	NY Medical C.	8,264	0	8,264	0	0	0	0	0	0
221	San Francisco State U.	8,173	4,813	871	0	454	537	1,291	0	207

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
222	U. MA Dartmouth	8,082	3,682	270	436	1,038	16	194	0	2,446
223	ID State U.	7,976	378	2,319	49	2,464	8	216	1,375	1,167
224	Polytechnic U.	7,887	0	0	875	1,856	0	0	0	5,156
225	U. CA, Merced	7,826	597	1,946	315	1,439	0	758	0	2,771
226	Rochester Institute of Technology	7,736	1,068	215	76	2,252	8	68	0	4,049
227	Mercer U. all campuses	7,021	0	2,377	0	37	0	1	0	4,606
228	U. North TX	7,015	713	1,824	327	1,727	342	759	0	1,323
229	Western MI U.	6,928	239	522	994	1,030	201	225	0	3,717
230	U. NV, Las Vegas	6,921	1,751	2,039	157	306	0	602	0	2,066
231	U. PR Medical Sciences Campus	6,908	0	6,908	0	0	0	0	0	0
232	U. Tulsa	6,884	94	80	131	516	76	655	0	5,332
233	U. MO-St. Louis	6,667	0	1,969	73	1,768	467	2,390	0	0
234	SUNY Health Science Ctr. Brooklyn	6,577	0	6,577	0	0	0	0	0	0
235	St. Louis U. all campuses	6,561	39	5,809	23	337	99	218	0	36
236	TN Technological U.	6,150	15	170	369	68	16	7	0	5,505
237	Baylor U.	6,122	1,351	1,765	235	1,567	158	679	0	367
238	Jackson State U.	5,908	632	1,538	889	926	79	39	1,261	544
239	U. NC Wilmington	5,702	3,711	1,561	40	225	93	72	0	0
240	East Carolina U.	5,616	283	3,962	0	20	8	937	91	315
241	Albany Medical C.	5,508	0	5,508	0	0	0	0	0	0
242	TX State U. San Marcos	5,362	2,849	1,081	124	561	22	136	414	175
243	TX A&M U. Corpus Christi	5,324	4,083	590	318	35	0	62	171	65
244	U. of the VI	5,281	0	0	0	0	0	0	5,281	0
245	U. PR Rio Piedras Campus	5,265	1,301	810	63	96	62	2,596	0	337
246	AL A&M U.	5,205	0	1,951	0	1,049	0	1	2,068	136
247	CA State U. Northridge	5,073	339	318	20	159	3,163	11	549	514
248	U. Central AR	5,002	885 i	1,545 i	400 i	503 i	124 i	446 i	276 i	823 i
249	Duquesne U.	4,994	0	3,019	93	1,861	0	21	0	0
250	Teachers C. Columbia U.	4,930	0	195	29	0	536	4,170	0	0
251	U. SD	4,790	0	3,201	53	744	0	792	0	0
252	CA State U. San Bernardino	4,770	20	365	270	54	3,956	105	0	0
253	Morehouse School of Medicine	4,656	0	4,656	0	0	0	0	0	0
254	Catholic U. America, The	4,595	0	73	0	3,935	63	162	0	362
255	Humboldt State U.	4,577	140	2,363	122	4	0	875	0	1,073
256	Rosalind Franklin U. of Medicine and Science	4,510	0	4,320	0	0	190	0	0	0
257	U. Southern MS	4,490	914	348	12	2,471	66	258	198	223
258	Tarleton State U.	4,299	1,252	277	25	47	0	16	2,647	35

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
259	Marshall U.	4,107	87	1,994	7	431	0	0	447	1,141
260	Howard U.	4,024	0	2,329	9	1,386	0	0	102	198
261	TN State U.	4,000	0	2,778	4	525	7	0	0	686
262	Grand Valley State U.	3,951	1,699	1,286	0	110	24	17	0	815
263	Worcester Polytechnic Institute	3,864	0	180	477	365	0	0	0	2,842
264	Northern IL U.	3,676	356	629	275	1,454	276	199	0	487
265	Stephen F. Austin State U.	3,672	249	2,683	18	70	5	22	625	0
266	Fordham U.	3,640	56	804	118	61	419	2,142	40	0
267	Charles R. Drew U. of Medicine and Science	3,538	0	3,538	0	0	0	0	0	0
268	Oakland U.	3,486	0	1,618	515	450	5	0	0	898
269	U. LA Monroe	3,480	26	2,001	33	46	0	1,374	0	0
270	Alfred U. all campuses	3,472	6	0	0	32	99	0	0	3,335
271	Western WA U.	3,461	734	1,320	53	570	99	442	213	30
272	Ball State U.	3,372	429	1,248	255	130	28	656	501	125
273	Loma Linda U.	3,354	0	3,341	0	0	0	13	0	0
274	Tuskegee U.	3,296	0	2,021	0	66	0	990	0	219
275	Central MI U.	3,255	128	858	201	442	496	186	818	126
276	SD School of Mines and Technology	3,248	334	0	0	109	0	0	0	2,805
277	Nova Southeastern U.	3,227	2,565	544	0	0	28	0	90	0
278	IL Institute of Technology	3,224	0	733	288	325	294	0	0	1,584
279	U. of the Pacific	3,223	0	1,779	34	85	0	34	0	1,291
280	CA State U. Monterey Bay	3,200	3,167	28	5	0	0	0	0	0
281	East TN State U.	3,156	44	2,040	27	249	81	592	2	121
282	Southern Methodist U.	3,077	305	309	466	415	162	439	457	524
283	Albany C. of Pharmacy	2,998	0	2,998	0	0	0	0	0	0
284	Marquette U.	2,902	0	902	4	488	16	62	38	1,392
285	Stevens Institute of Technology	2,875	705	22	58	215	0	0	899	976
286	Bowling Green State U. all campuses	2,821	124	784	143	621	783	197	105	64
287	CA State U. Fresno	2,820	52 i	2,688 i	5 i	8 i	6 i	40 i	0 i	21 i
288	Prairie View A&M U.	2,802	0	2,354	23	88	3	1	0	333
289	AR State U. main campus	2,800	0	2,345	32	280	42	26	2	73
290	Wesleyan U.	2,784	218	897	124	975	422	148	0	0
291	U. AR Pine Bluff	2,740	0	2,721	0	4	0	4	11	0
292	Rose-Hulman Institute of Technology	2,739	0	0	906	219	0	0	0	1,614
293	Bryn Mawr C.	2,659	219	94	367	577	262	1,140	0	0
294	Milwaukee School of Engineering	2,607	0	103	0	0	0	0	0	2,504
295	OR Institute of Technology	2,562	0	341	51	0	0	0	0	2,170

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
296	Ponce School of Medicine	2,509	0	2,509	0	0	0	0	0	0
297	U. Northern IA	2,362	424	370	118	256	0	257	937	0
298	Williams C.	2,278	35 i	368 i	159 i	336 i	27 i	163 i	77 i	1,113 i
299	CUNY C. Staten Island	2,238	26	107	38	1,906	19	142	0	0
300	Northeastern OH Universities C. of Medicine	2,207	0	2,207	0	0	0	0	0	0
301	Western KY U.	2,177	64	289	25	1,743	0	1	0	55
302	Clark U.	2,165	1,060	305	0	254	300	169	77	0
303	U. AK Anchorage all campuses	2,155	167	764	0	46	24	845	212	97
304	U. Denver	2,139	0	897	0	326	180	39	0	697
305	Claremont Graduate U.	2,135	0	0	430	0	1,069	636	0	0
306	West TX A&M U.	2,080	86	1,664	57	38	90	16	0	129
307	FL A&M U.	2,039	226	1,225	87	12	61	0	176	252
308	Arcadia U.	2,024	0	290	0	10	0	1,243	481	0
309	CA State U. Long Beach	2,011	31	1,096	0	131	167	54	58	474
310	Fairfield U.	1,966	6	571	108	474	192	492	0	123
311	U. WI Stevens Point	1,965	1,053	764	0	64	2	23	0	59
312	Meharry Medical C.	1,955	0	1,955	0	0	0	0	0	0
313	CUNY Graduate Ctr.	1,949	0	0	62	29	311	1,483	64	0
314	CUNY Queens C.	1,948	152	1,161	46	342	136	111	0	0
315	Murray State U.	1,913	310	1,410	51	105	2	34	0	1
316	Pomona C.	1,882	21	809	48	340	361	303	0	0
317	New School, The	1,873	1	0	2	0	4	1,866	0	0
318	Macalester C.	1,866	155	346	207	330	167	661	0	0
319	CA State U. East Bay	1,857	120	956	260	23	94	323	63	18
320	NY Institute of Technology all campuses	1,843	0	1,268	315	0	0	12	0	248
321	Amherst C.	1,826	285	487	39	608	182	225	0	0
322	St. Cloud State U.	1,771	41	563	85	47	0	820	0	215
323	Lamar U.	1,770	442	15	223	188	0	10	0	892
324	U. TX-Pan American	1,760	66	629	78	105	22	303	0	557
325	IL State U.	1,757	84	974	28	380	7	147	137	0
326	Eastern WA U.	1,752	20	50	10	98	10	1,524	20	20
327	CA State U. Chico	1,731 i	398 i	778 i	0 i	113 i	0 i	169 i	0 i	273 i
328	U. NC Asheville	1,729	698	145	695	22	0	168	0	1
329	Rowan U.	1,670	0	36	207	47	633	42	0	705
330	James Madison U.	1,646	266	130	140	361	116	164	418	51
331	Midwestern U. (Chicago, IL)	1,557	0	1,557	0	0	0	0	0	0
332	Embry-Riddle Aeronautical U.	1,511	6	0	0	82	0	15	897	511

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
333	Harvey Mudd C.	1,508	0	163	131	245	0	0	650	319
334	Bradley U.	1,503	0	56	119	148	1	17	0	1,162
335	Calvin C.	1,463	66	286	227	503	82	158	18	123
336	Union C. (Schenectady, NY)	1,439	33	343	41	100	15	360	238	309
337	CA State U. Dominguez Hills	1,436	5	24	703	57	10	637	0	0
338	Sul Ross State U.	1,424	19	358	0	0	0	1,047	0	0
339	Wellesley C.	1,424	9	23	0	57	0	111	1,224	0
340	FL Institute of Technology	1,415	596	267	7	142	69	0	0	334
341	Lincoln U. (Jefferson City, MO)	1,404	352	1,052	0	0	0	0	0	0
342	Villanova U.	1,396	0	180	19	21	0	69	0	1,107
343	U. North FL	1,340	5	393	78	53	12	294	0	505
344	TX A&M U. Commerce	1,311	0	173	508	153	63	0	414	0
345	Eastern MI U.	1,308	15	184	55	365	20	189	0	480
346	TX Woman's U.	1,292	0	814	20	116	17	16	309	0
347	Pittsburg State U.	1,275	0	64	0	10	0	0	0	1,201
348	U. WI La Crosse	1,267	26	292	7	303	5	114	79	441
349	Morgan State U.	1,265	0	1,094	29	0	0	53	0	89
350	Kansas City U. of Medicine and Biosciences	1,251	0	1,251	0	0	0	0	0	0
351	CA State U. Bakersfield	1,249	183	405	156	406	0	99	0	0
352	C. Charleston	1,237	303	310	82	250	58	158	76	0
353	Southern U. and A&M C. all campuses	1,215	229	391	40	170	0	321	0	64
354	SC State U.	1,209	0	0	0	1,209	0	0	0	0
355	Philadelphia C. of Osteopathic Medicine	1,194	0	1,179	0	0	15	0	0	0
356	Alcorn State U.	1,182	0	1,182	0	0	0	0	0	0
357	U. New England	1,176	320	856	0	0	0	0	0	0
358	Hope C.	1,171	9	699	26	361	24	4	0	48
359	Western Carolina U.	1,167	395	689	58	0	0	5	0	20
360	U. DC	1,163	89	685	0	13	0	158	6	212
361	Mt. Holyoke C.	1,138	15	288	618	146	6	65	0	0
362	Seton Hall U.	1,134	0	318	0	795	0	21	0	0
363	Middle TN State U.	1,124	71	215	76	159	20	562	0	21
364	U.S. Military Academy	1,124	5	0	235	22	150	171	0	541
365	FL Gulf Coast U.	1,093	492	351	0	244	0	0	6	0
366	MT Tech of the U. MT	1,092	741	0	0	0	0	0	0	351
367	Franklin & Marshall C.	1,084	273	269	12	272	117	141	0	0
368	Winona State U.	1,058	37	454	279	94	33	103	0	58
369	Wheeling Jesuit U.	1,031	0	0	0	0	0	0	1,031	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
370	Boise State U.	1,023	115	455	0	88	6	62	0	297
371	Rider U.	1,009	0	18	0	58	0	22	911	0
372	Loyola C.	996	0	0	69	1	0	926	0	0
373	CUNY Baruch C.	990	1	606	62	33	37	251	0	0
374	Hamilton C. (Clinton, NY)	975	162	205	21	562	0	25	0	0
375	U. of the Sciences Philadelphia	971	0	515	0	318	0	138	0	0
376	WV State U.	970	0	954	0	16	0	0	0	0
377	Naval Postgraduate School	958	501	0	147	8	0	16	81	205
378	Colgate U.	934	128	173	107	282	85	148	11	0
379	DE State U.	931	0	432	0	484	15	0	0	0
380	American U.	913	0	2	23	0	50	838	0	0
381	Occidental C.	907	110	299	38	108	31	125	196	0
382	TX Christian U.	902	149	67	0	482	114	24	0	66
383	Dillard U.	887	357	359	0	171	0	0	0	0
384	U. Baltimore	883	0	0	0	0	0	883	0	0
385	U. NC Greensboro	874	38	479	4	116	83	154	0	0
386	CUNY Herbert H. Lehman C.	872	132	412	140	72	95	12	9	0
387	Long Island U. all campuses	867 i	233 i	466 i	0 i	39 i	82 i	47 i	0 i	0 i
388	U. Hartford	864	0	27	0	17	0	328	0	492
389	Appalachian State U.	853	155	133	5	460	2	98	0	0
390	U. TX of the Permian Basin	848	49	3	0	608	9	89	90	0
391	Polytechnic U. PR	842	0	0	0	0	0	0	0	842
392	Langston U.	823	0	823	0	0	0	0	0	0
393	U. West FL	823	0	498	82	29	55	159	0	0
394	Andrews U.	787	0	30	55	24	0	675	0	3
395	Western IL U.	787	11	485	2	35	0	254	0	0
396	Bucknell U.	786	71	152	0	66	27	2	0	468
397	Bowdoin C.	784	299	300	6	121	1	57	0	0
398	Universidad Central del Caribe	774	0	774	0	0	0	0	0	0
399	Dickinson C.	764	128	377	10	196	29	24	0	0
400	MN State U. Mankato	761	0	367	37	12	18	9	2	316
401	Northeastern IL U.	760	19	30	4	52	61	405	189	0
402	Nicholls State U.	755	0	351	0	12	250	0	135	7
403	CUNY Brooklyn C.	753	17	234	202	98	126	76	0	0
404	CUNY John Jay C. of Criminal Justice	750	0	0	28	42	212	407	61	0
405	U. Northern CO	743	7	404	107	106	1	39	79	0
406	C. Wooster	725	45	226	22	281	99	52	0	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
407	Swarthmore C.	708	0	102	16	219	21	108	141	101
408	A.T. Still U. of Health Sciences	706	0	706	0	0	0	0	0	0
409	IN State U. all campuses	706	4	411	0	41	12	238	0	0
410	Morehouse C.	702	0	653	0	6	0	43	0	0
411	U. Houston-Clear Lake	692	284	66	128	125	25	23	0	41
412	Des Moines U.	688	0	688	0	0	0	0	0	0
413	Northern KY U.	676	0	236	40	283	44	73	0	0
414	Southern CT State U.	669	0	0	0	0	126	343	200	0
415	Tougaloo C.	668	0	553	0	110	0	0	5	0
416	Pacific U.	651	0	585	0	40	26	0	0	0
417	Lafayette C.	646	57	31	1	27	6	4	472	48
418	Grinnell C.	642	0	137	203	112	100	90	0	0
419	Hampshire C.	642	0	0	0	50	165	0	0	427
420	Smith C.	640	33	203	30	106	53	126	2	87
421	C. NJ, The	639	0	78	17	110	36	193	0	205
422	Clark Atlanta U.	638	0	466	0	160	0	11	0	1
423	Angelo State U.	633	0	582	6	31	14	0	0	0
424	U. Richmond	630	8	152	18	409	16	27	0	0
425	New England C. of Optometry	627	0	627	0	0	0	0	0	0
426	Kettering U.	626	0	0	0	90	0	0	0	536
427	Southeastern LA U.	595	0	379	0	216	0	0	0	0
428	U. San Francisco	583	270	95	57	43	88	29	1	0
429	Southwest MO State U.	580	5	516	0	54	0	5	0	0
430	Sam Houston State U.	577	95	82	167	80	0	47	106	0
431	VA Military Institute	570	0	18	0	73	1	0	0	478
432	VA State U.	566	0	398	14	16	1	111	0	26
433	Reed C.	562	0	306	0	256	0	0	0	0
434	Haverford C.	560	0	205	4	312	14	25	0	0
435	DePaul U.	555	32	33	196	12	250	16	16	0
436	Trinity U.	529	16	75	9	408	8	0	0	13
437	St. Joseph's U.	527	0	38	0	28	338	0	123	0
438	Black Hills State U.	526	0	488	0	0	0	4	34	0
439	U. WI Eau Claire	523	205	28	1	237	32	20	0	0
440	Central WA U.	522	268	74	33	64	18	65	0	0
441	CA State U. Fullerton	519	224	148	0	28	22	97	0	0
442	Loyola Marymount U.	515	106	60	28	117	71	39	0	94
443	U. Portland	514	0	119	13	167	0	5	0	210

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
444	Allegheny C.	509	86	34	9	148	18	46	168	0
445	Chapman U.	508	23	179	0	27	0	202	77	0
446	Morehead State U.	501	28	175	14	43	133	98	0	10
447	U. WI Platteville	494	23	372	0	18	0	0	0	81
448	Norfolk State U.	493	0	1	28	315	0	0	0	149
449	SUNY C. Buffalo	482	21	36	0	3	166	256	0	0
450	U. West GA	464	270	194	0	0	0	0	0	0
451	Lewis and Clark C.	462	26	227	55	92	30	32	0	0
452	U. TX Tyler	458	0	328	3	35	32	0	0	60
453	Lawrence Technological U.	455	0	0	0	0	0	0	0	455
454	GA Southern U.	441	3	307	51	80	0	0	0	0
455	Carleton C.	435	124	100	51	160	0	0	0	0
456	SUNY C. Geneseo	433	55	52	65	209	32	20	0	0
457	U. WI Superior	433	400	7	0	2	0	24	0	0
458	Southern OR U.	428	31	35	14	8	0	340	0	0
459	Mercyhurst C.	420	13	43	5	64	6	273	16	0
460	Colby C.	408	77	117	25	73	6	107	3	0
461	U.S. Naval Academy	398	45	0	30	68	0	0	0	255
462	MA C. of Pharmacy and Health Sciences	384	0	141	0	243	0	0	0	0
463	Spelman C.	380	0	380	0	0	0	0	0	0
464	Albany State U.	379	261	0	118	0	0	0	0	0
465	Roanoke C.	376	0	184	9	40	1	142	0	0
466	Trinity C. (Hartford, CT)	376	1	182	32	69	0	17	18	57
467	Northwestern State U.	371	0	232	0	0	0	139	0	0
468	U. San Diego	370	22	234	0	111	0	0	0	3
469	U. WI Oshkosh	369	18	234	5	15	0	4	93	0
470	Northern MI U.	357	0	54	0	0	16	32	255	0
471	Skidmore C.	357	44	16	30	173	24	70	0	0
472	Truman State U.	355	0	249	0	106	0	0	0	0
473	WV School of Osteopathic Medicine	349	0	349	0	0	0	0	0	0
474	U. WI Green Bay	344	225	1	9	0	0	3	106	0
475	St. Mary's C. MD	339	0	179	29	11	0	120	0	0
476	St. Olaf C.	335	0	331	0	4	0	0	0	0
477	Seattle U.	332 i	0 i	0 i	0 i	61 i	0 i	0 i	0 i	271 i
478	Drake U.	328	18	40	11	51	17	19	172	0
479	U. Scranton	328	0	241	5	73	5	4	0	0
480	U. IL Springfield	324	2	22	0	30	0	270	0	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
481	U. HI Hilo	316	184	123	0	0	0	0	9	0
482	Jacksonville U.	313	0	164	0	0	0	50	0	99
483	Simmons C.	311	0	28	0	61	0	180	42	0
484	Lake Forest C.	310	0	54	42	90	32	92	0	0
485	SUNY Fredonia	310	74	81	0	144	0	11	0	0
486	St. John's U. (Jamaica, NY)	305	0	33	0	214	58	0	0	0
487	NM Highlands U.	301	7	155	0	139	0	0	0	0
488	Eastern IL U.	296	139	91	0	41	4	12	8	1
489	Pacific Lutheran U.	296	36	86	0	89	0	85	0	0
490	U. PR Humacao	290	0	72	70	148	0	0	0	0
491	Willamette U.	290	25	131	0	100	0	0	34	0
492	Saginaw Valley State U.	284	0	67	68	14	2	14	94	25
493	Towson U.	278	0	70	48	87	26	47	0	0
494	Coastal Carolina U.	277	249	2	0	18	1	7	0	0
495	Sweet Briar C.	277	39	109	0	28	38	8	0	55
496	Pace U. all campuses	275	45	211	15	4	0	0	0	0
497	West Liberty State C.	269	164	105	0	0	0	0	0	0
498	Furman U.	267	23	34	4	173	33	0	0	0
499	Montclair State U.	254	39 i	83 i	93 i	15 i	24 i	0 i	0 i	0 i
500	Barnard C.	253	107	60	0	20	43	23	0	0
501	U. Detroit Mercy	253 i	0 i	56 i	0 i	105 i	0 i	20 i	0 i	72 i
502	SUNY C. Cortland	243	0	3	0	0	0	240	0	0
503	CA State U. Los Angeles	234	0	78	0	44	0	112	0	0
504	U. of St. Thomas (St. Paul, MN)	234	2	61	0	74	0	0	80	17
505	Middlebury C.	233	62	86	0	35	0	0	50	0
506	Eastern OR U.	231	0	131	0	95	0	5	0	0
507	National U. of Health Sciences	229	0	229	0	0	0	0	0	0
508	Western U. of Health Sciences	229	0	229	0	0	0	0	0	0
509	Fuller Theological Seminary CA	227	0	0	0	0	227	0	0	0
510	Bridgewater State C.	224	37 i	31 i	7 i	100 i	14 i	35 i	0 i	0 i
511	Governors State U.	223	0	223	0	0	0	0	0	0
512	CT C.	220	0	71	0	145	0	4	0	0
513	Coe C.	217	0	2	0	107	0	0	108	0
514	SUNY C. Plattsburgh	217	93	2	0	112	0	0	10	0
515	Carlos Albizu U. (San Juan, PR)	216	0	0	0	0	216	0	0	0
516	Fayetteville State U.	216	0	152	2	58	2	2	0	0
517	LeTourneau U.	216	0	0	0	36	0	0	0	180

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
518	Manhattan C.	216 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	216 i
519	AL State U.	215	0	0	215	0	0	0	0	0
520	SUNY C. Old Westbury	214	0	152	0	25	0	19	18	0
521	IL Wesleyan U.	212	0	53	0	40	49	70	0	0
522	C. of the Holy Cross	208	0	17	0	177	13	1	0	0
523	Ithaca C.	208	0	85	1	114	0	8	0	0
524	Kennesaw State U.	207	0	92	104	11	0	0	0	0
525	SUNY C. Brockport	206	109	55	0	28	0	0	14	0
526	Wabash C.	204	0	98	7	73	3	1	22	0
527	U.S. Air Force Academy	203	0	0	0	46	0	0	0	157
528	Loyola U. New Orleans	202	4	83	17	94	0	4	0	0
529	Ursinus C.	200	0	8	0	192	0	0	0	0
530	Davidson C.	196	0	42	4	99	35	16	0	0
531	U. GU	192	95	73	0	0	0	24	0	0
532	Wilkes U.	192	5	62	0	19	0	0	0	106
533	Evergreen State C.	191	0	0	0	0	0	0	191	0
534	SUNY C. Oswego	190	3	0	68	70	1	0	48	0
535	U. WI Stout	185	0	47	0	0	51	0	87	0
536	Hampton U.	181	0	0	0	0	0	0	181	0
537	Sarah Lawrence C.	181	0	62	0	103	0	0	16	0
538	Valparaiso U.	181	0	4	0	166	11	0	0	0
539	Hobart and William Smith Colleges	179	116	0	0	63	0	0	0	0
540	U. of the South	177	36	72	2	29	0	35	3	0
541	McNeese State U.	176	0	24	26	40	72	2	0	12
542	Hofstra U.	172	1	18	4	37	37	63	0	12
543	Cooper Union	171	0	0	0	0	0	0	0	171
544	Denison U.	165	11	24	2	115	0	13	0	0
545	Indiana U. PA all campuses	164	16	88	5	11	15	29	0	0
546	La Salle U.	160	3	110	0	0	2	45	0	0
547	AR Tech U.	156 i	52 i	19 i	0 i	0 i	0 i	0 i	80 i	5 i
548	Jacksonville State U.	152	64	88	0	0	0	0	0	0
549	MT State U. Billings	152	3	84	3	7	0	55	0	0
550	Pitzer C.	152	0	4	0	0	72	76	0	0
551	Juniata C.	151	11	77	0	63	0	0	0	0
552	Edward Waters C.	150 i	10 i	56 i	8 i	27 i	9 i	12 i	8 i	20 i
553	Fairleigh Dickinson U. all campuses	150 i	5 i	105 i	7 i	11 i	2 i	4 i	0 i	16 i
554	Northeastern State U.	150	0	139	0	8	0	3	0	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
555	Youngstown State U.	147	0	41	6	36	1	0	4	59
556	U. AK Southeast all campuses	146	14	15	0	50	0	0	67	0
557	Eastern KY U.	143	42	59	0	17	0	25	0	0
558	Seattle Pacific U.	140 i	9 i	52 i	8 i	25 i	8 i	12 i	8 i	18 i
559	U. WI River Falls	137	0	83	0	40	5	9	0	0
560	Oberlin C.	134	21	26	0	85	2	0	0	0
561	U. WI Parkside	134	61	28	9	28	0	8	0	0
562	Bates C.	133	59	28	6	37	3	0	0	0
563	Chicago State U.	131	0	0	0	0	0	0	131	0
564	Sonoma State U.	128	5	53	0	14	3	41	1	11
565	Muhlenberg C.	127	0	3	0	114	0	10	0	0
566	Xavier U. LA	126	0	108	16	2	0	0	0	0
567	Kalamazoo C.	125	0	28	15	67	10	5	0	0
568	Augustana C. (Rock Island, IL)	122 i	0 i	19 i	0 i	0 i	0 i	0 i	103 i	0 i
569	U. MD Eastern Shore	120	6	63	0	0	0	10	0	41
570	Augsburg C.	113	0	0	0	113	0	0	0	0
571	Christopher Newport U.	113	0	102	0	5	6	0	0	0
572	OH Wesleyan U.	113	0	56	15	35	7	0	0	0
573	Gettysburg C.	112	12	28	7	6	6	53	0	0
574	Cheyney U. PA	108	0	108	0	0	0	0	0	0
575	Western CT State U.	103	0	94	1	6	0	2	0	0
576	Elizabeth City State U.	100	100	0	0	0	0	0	0	0
577	U. Central OK	98	0	8	0	0	0	0	0	90
578	KY State U.	97	0	97	0	0	0	0	0	0
579	CO State U. Pueblo	96	0	48	0	48	0	0	0	0
580	Ft. Lewis C.	96	0	23	0	73	0	0	0	0
581	Canisius C.	87	0	87	0	0	0	0	0	0
582	PA C. of Optometry	87	0	87	0	0	0	0	0	0
583	Millersville U. PA	85	8	22	29	26	0	0	0	0
584	Dowling C.	84	0	24	14	0	0	0	0	46
585	Sinte Gleska U.	83	83	0	0	0	0	0	0	0
586	Washington and Lee U.	83	0	0	0	83	0	0	0	0
587	CUNY York C.	82	31	8	6	36	0	1	0	0
588	Roger Williams U. Bristol	77	77	0	0	0	0	0	0	0
589	Abilene Christian U.	75	0	14	0	54	7	0	0	0
590	Providence C.	75	0	68	0	7	0	0	0	0
591	Philadelphia U.	72	0	0	0	0	0	0	72	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
592	U. Puget Sound	72	27	29	0	10	2	4	0	0
593	Gustavus Adolphus C.	71	7	41	0	22	1	0	0	0
594	Oglala Lakota C.	68	0	0	0	0	0	0	68	0
595	SUNY C. of Optometry	67	0	67	0	0	0	0	0	0
596	Berry C.	66 i	27 i	22 i	16 i	1 i	0 i	0 i	0 i	0 i
597	Clafflin U.	65 i	0 i	63 i	0 i	0 i	0 i	0 i	2 i	0 i
598	Troy U. main campus	65	0	25	23	13	0	4	0	0
599	West Chester U. PA	63	0	34	23	6	0	0	0	0
600	Gallaudet U.	60	0	0	0	0	0	60	0	0
601	Central State U.	57	0	0	0	0	0	0	0	57
602	Santa Clara U.	54 i	0 i	33 i	0 i	8 i	0 i	0 i	0 i	13 i
603	William Paterson U. NJ	53 i	13 i	16 i	3 i	4 i	3 i	5 i	4 i	5 i
604	U. Houston-Downtown	52	0	1	50	1	0	0	0	0
605	Daemen C.	48	0	48	0	0	0	0	0	0
606	Lawrence U.	47	0	16	0	31	0	0	0	0
607	Wilberforce U.	45	0	0	0	9	0	0	0	36
608	Savannah State U.	44	44	0	0	0	0	0	0	0
609	U. WI Whitewater	43	0	23	0	0	0	20	0	0
610	Central CT State U.	38	0	7	0	11	0	20	0	0
611	TX Southern U.	37	0	6	0	31	0	0	0	0
612	Southwestern OK State U.	36	0	0	0	0	0	0	0	36
613	U. Redlands	33	0	29	0	4	0	0	0	0
614	Siena C.	32 i	2 i	15 i	0 i	3 i	0 i	2 i	4 i	6 i
615	Benedict C.	31	5	1	0	0	0	0	0	25
616	Southeastern OK State U.	28	0	12	0	16	0	0	0	0
617	Southern Polytechnic State U.	28	0	0	15	6	0	0	7	0
618	Whitman C.	22	8	6	0	8	0	0	0	0
619	U.S. Coast Guard Academy	21	17	0	0	4	0	0	0	0
620	U. New Haven	21	7	0	0	14	0	0	0	0
621	CA State U. Sacramento	20	0	0	0	0	0	0	0	20
622	CUNY Medgar Evers C.	17	4	0	3	9	1	0	0	0
623	Rhodes C.	11	0	9	0	2	0	0	0	0
624	Point Loma Nazarene C.	10	10	0	0	0	0	0	0	0
625	U. NC Pembroke	10	3	7	0	0	0	0	0	0
626	Augustana C. (Sioux Falls, SD)	9	0	7	0	2	0	0	0	0
627	Hendrix C.	6	0	0	0	6	0	0	0	0
628	Bluefield State C.	5	0	5	0	0	0	0	0	0

TABLE 40. Nonfederally financed R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	Nonfederal R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
629	John Carroll U.	5	0	0	0	5	0	0	0	0
630	Monmouth U.	4	4	0	0	0	0	0	0	0
631	Goucher C.	1	0	0	0	1	0	0	0	0

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$36,864 in nonfederally financed R&D expenditures in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 41. Total and federally financed R&D expenditures passed through to subrecipients, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

R&D expenditures and type of institution	R&D expenditures		R&D expenditures passed through to subrecipients		
	All respondents ^a	Item 1A respondents ^b	Total ^c	Educational subrecipients	Other subrecipients
Total R&D, all institutions	49,405,128	42,817,141	3,352,222	1,719,879	1,203,469
Doctorate	48,659,418	42,094,492	3,301,900	1,692,533	1,180,493
Nondoctorate	745,710	722,649	50,322	27,346	22,976
Public	33,522,964	26,946,287	1,911,265	1,013,750	724,072
Private	15,882,164	15,870,854	1,440,957	706,129	479,397
Federally financed R&D, all institutions	30,428,036	26,694,575	2,854,582	1,502,810	979,818
Doctorate	29,928,012	26,211,323	2,816,713	1,479,759	965,000
Nondoctorate	500,024	483,252	37,869	23,051	14,818
Public	18,775,356	15,050,411	1,580,838	848,139	582,498
Private	11,652,680	11,644,164	1,273,744	654,671	397,320

^a Total is amount prior to imputation for nonrespondents.

^b Survey item 1A collects data on R&D expenditures passed through the institution to subrecipients.

^c Detail may not add to total because of rounding and because some institutions provided only total and federal R&D expenditure data passed through to subrecipients.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 42. Total and federally financed R&D expenditures received as a subrecipient, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

R&D expenditures and type of institution	R&D expenditures		R&D expenditures received as a subrecipient		
	All respondents ^a	Item 1B respondents ^b	Total ^c	Higher education pass-through entities	Other pass-through entities
Total R&D, all institutions	49,405,128	43,297,413	3,689,403	1,691,579	1,726,731
Doctorate	48,659,418	42,572,604	3,611,316	1,645,281	1,696,942
Nondoctorate	745,710	724,809	78,087	46,298	29,789
Public	33,522,964	27,424,291	2,282,881	1,049,077	1,120,860
Private	15,882,164	15,873,122	1,406,522	642,502	605,871
Federally financed R&D, all institutions	30,428,036	26,983,133	3,344,645	1,558,589	1,530,191
Doctorate	29,928,012	26,496,364	3,282,082	1,519,703	1,506,529
Nondoctorate	500,024	486,769	62,563	38,886	23,662
Public	18,775,356	15,337,397	2,119,731	999,026	1,012,589
Private	11,652,680	11,645,736	1,224,914	559,563	517,602

^a Total is amount prior to imputation for nonrespondents.

^b Survey item 1B collects data on R&D expenditures received by the institution as a subrecipient.

^c Detail may not add to total because of rounding and because some institutions provided only total and federal R&D expenditure data received as a subrecipient.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	All institutions	2,731,807	3,055,008	3,146,131	3,352,222	1,719,879	1,203,469
1	Johns Hopkins U., The ^b	114,006	133,748	144,137	150,150	NA	NA
2	Duke U.	60,631	75,775	86,704	119,095	90,258	28,837
3	OH State U. all campuses	35,015	55,271	54,418	74,831	51,284	23,547
4	U. MI all campuses	50,917	59,459	54,213	61,100	33,310	27,790
5	Stanford U.	77,632	79,824	61,041	61,087	26,043	35,044
6	U. MN all campuses	42,837	52,128	50,477	60,048	NA	NA
7	U. CO all campuses	53,704	67,239	58,206	58,142	26,594	31,548
8	U. AZ	57,501	66,461	58,300	57,379	37,870	19,509
9	Harvard U.	63,682	53,106	53,603	56,272	16,160	40,112
10	Columbia U. in the City of NY	43,827	57,354	56,785	56,127	31,431	24,696
11	TX A&M U.	19,759	26,962	29,681	56,070	19,613	36,457
12	U. WI Madison	43,316	56,486	63,221	54,079	37,738	16,341
13	U. PA	64,682	60,138	58,603	49,902	26,632	23,270
14	U. Southern CA	44,437	49,601	51,570	47,073	20,449	26,624
15	U. TX Austin	18,286	24,051	34,487	44,277	23,324	20,953
16	U. NC Chapel Hill	37,804	37,538	43,159	43,987	27,973	16,014
17	MA Institute of Technology	31,475	34,903	36,036	43,441	24,516	18,925
18	U. Pittsburgh all campuses	29,941	33,711	38,150	41,619	21,642	19,977
19	U. FL	28,949	43,026	39,743	41,466	37,319	4,147
20	Washington U. St. Louis	28,389	32,965	38,030	39,828	24,516	15,312
21	Cornell U. all campuses	32,039	38,174	40,495	38,702	NA	NA
22	CA Institute of Technology	29,728	35,737	31,748	36,305	8,054	28,251
23	Baylor C. of Medicine	35,752	40,297	40,895	35,620	27,173	8,447
24	Vanderbilt U.	19,588	27,378	30,479	35,022	22,390	12,632
25	U. South FL	29,201	31,261	27,271	33,596	NA	NA
26	U. AL Birmingham, The	29,009	35,750	40,382	33,313	22,303	11,010
27	George Washington U.	27,431	22,264	28,936	32,845	20,628	12,217
28	U. Chicago	18,670	24,517	23,639	31,457	23,756	7,701
29	Case Western Reserve U.	5,141	19,044	31,399	30,220	30,220	0
30	Yale U.	32,172	35,200	35,863	30,096	14,614	15,482
31	U. MD College Park	20,766	27,227	25,621	29,794	0	29,794
32	Georgetown U.	9,668	13,292	24,175	28,224	11,076	17,148
33	U. HI Manoa	20,103	19,499	24,540	28,222	9,566	18,656
34	Northwestern U.	18,037	22,959	28,445	27,965	NA	NA
35	Scripps Research Institute, The	NA	23,854	26,409	27,826	15,298	12,528
36	GA Institute of Technology all campuses	26,987	31,447	30,442	27,428	20,309	7,119
37	Mt. Sinai School of Medicine	17,965	17,529	25,636	26,971	26,971	0
38	U. IL Urbana-Champaign	38,728	31,806	27,358	25,544	19,153	6,391
39	CO State U.	13,181	16,060	16,515	24,679	NA	NA
40	IN U. all campuses	18,742	20,685	21,995	24,340	12,257	12,083
41	Purdue U. all campuses	18,399	18,505	19,668	23,859	18,851	5,008
42	Boston U.	20,379	22,942	27,672	23,856	15,468	8,388
43	Rutgers, The State U. NJ all campuses	22,603	25,861	22,867	23,400	17,174	6,226
44	Emory U.	19,075	18,139	19,672	22,443	15,045	7,398
45	U. IA	15,857	15,762	21,176	22,208	0	22,208
46	FL State U.	19,754	21,428	21,990	21,988	12,271	9,717
47	MS State U.	19,344	17,724	19,843	21,801	13,875	7,926
48	U. TX Health Science Ctr. Houston	15,621	17,755	20,997	21,801	17,384	4,417

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
49	U. Rochester	18,760	21,786	22,696	21,457	15,776	5,681
50	NY U.	12,620	17,740	16,193	20,664	16,015	4,649
51	U. IL Chicago	15,353	17,660	16,616	20,535	9,666	10,869
52	U. NE all campuses	18,715	17,848	21,692	20,395	15,932	4,463
53	Wake Forest U.	15,103	22,323	16,958	20,240	12,651	7,589
54	U. KY all campuses	15,926	18,060	17,565	19,361	19,361	0
55	U. Miami	16,083	16,915	17,595	18,671	8,167	10,504
56	VA Polytechnic Institute and State U.	14,292	13,990	16,198	18,241	8,227	10,014
57	Dartmouth C.	18,928	14,849	23,853	18,011	NA	NA
58	Princeton U.	18,384	17,514	15,285	17,695	11,647	6,048
59	U. Cincinnati all campuses	15,059	16,128	13,613	17,580	17,580	0
60	LA State U. all campuses	11,378	12,739	11,185	17,312	11,292	6,020
61	NC State U.	17,839	18,387	15,563	17,104	6,157	10,947
62	U. Dayton	15,846	15,138	15,680	17,071	2,403	14,668
63	U. VA all campuses	17,403	17,911	16,455	16,972	12,427	4,545
64	U. KS all campuses	16,952	10,955	15,290	16,945	9,425	7,520
65	Carnegie Mellon U.	22,682	24,418	24,772	16,911	12,008	4,903
66	U. of Medicine and Dentistry NJ	12,638	11,314	18,747	16,684	13,747	2,937
67	OR Health & Science U.	16,334	16,244	14,979	15,962	7,693	8,269
68	U. NM main campus	8,959	11,836	12,577	15,403	9,907	5,496
69	U. TX M. D. Anderson Cancer Ctr.	12,098	11,771	12,799	15,364	10,074	5,290
70	Tulane U.	10,826	14,478	9,187	15,212	9,025	6,187
71	Drexel U.	12,307	11,828	13,704	15,101	NA	NA
72	U. TX Southwestern Medical Ctr. Dallas	16,963	18,085	18,125	15,085	8,874	6,211
73	U. TX Medical Branch	9,773	14,542	14,457	14,784	10,850	3,934
74	NM State U. main campus	11,806	16,059	14,245	14,755	4,315	10,440
75	Medical C. WI	10,677	12,829	14,054	14,688	5,041	9,647
76	MT State U. Bozeman	12,438	16,319	16,623	14,563	NA	NA
77	Eastern VA Medical School	14,226	14,134	14,488	14,432	3,468	10,964
78	U. NH	14,205	14,034	14,954	14,391	NA	NA
79	U. OK all campuses	10,096	9,428	11,302	14,347	8,684	5,663
80	U. Southern MS	6,658	4,129	9,553	14,250	10,097	4,153
81	MI State U.	17,368	21,071	12,000	14,064	11,500	2,564
82	U. GA	16,921	18,623	14,350	13,904	NA	NA
83	U. TX Health Science Ctr. San Antonio	9,937	12,191	10,836	13,069	3,628	9,441
84	OR State U.	9,186	14,374	14,899	13,009	9,139	3,870
85	NM Institute of Mining and Technology	4,187	NA	8,639	12,942	0	12,942
86	U. UT	9,827	14,650	13,460	12,767	7,022	5,745
87	U. MO-Columbia	10,545	8,980	9,602	12,452	8,542	3,910
88	U. AL, The	7,149	6,350	8,729	12,365	5,940	6,425
89	NJ Institute of Technology	8,317	8,544	7,026	12,254	1,546	10,708
90	Hampton U.	18,925	30,612	14,776	11,855	10,585	1,270
91	AZ State U.	6,922	8,995	10,654	11,537	7,565	3,972
92	U. CT all campuses	11,093	11,470	15,280	11,536	6,583	4,953
93	U. MS all campuses	13,231	9,877	8,961	11,388	8,524	2,864
94	U. NV, Las Vegas	NA	9,684	11,546	11,266	11,232	34
95	Woods Hole Oceanographic Institution	4,538	5,449	4,148	11,265	3,773	7,492
96	WA State U.	10,032	8,263	10,008	11,147	7,039	4,108
97	U. DE	7,884	8,027	9,347	10,822	6,184	4,638

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
98	Brown U.	11,455	17,606	13,496	10,201	4,087	6,114
99	U. MA Worcester	8,429	8,853	10,662	10,098	10,098	0
100	U. TN all campuses	12,388	10,507	10,218	10,060	6,259	3,801
101	FL International U.	7,181	4,947	3,378	9,984	5,875	4,109
102	Yeshiva U.	9,630	1,273	11,502	9,944	9,944	0
103	U. AL Huntsville, The	3,787	4,358	4,547	9,577	2,528	7,049
104	U. of Notre Dame	6,984	9,522	10,439	9,423	6,284	3,139
105	St. Louis U. all campuses	3,351 e	9,189	9,321	8,869	5,589	3,280
106	U. MA Amherst	5,049	6,643	7,273	8,855	8,855	0
107	Medical U. SC	8,689	8,531	7,154	8,713	4,221	4,492
108	U. Louisville	4,931	6,549	6,865	8,552	5,131	3,421
109	George Mason U.	21,807	4,393	4,777	8,507	1,272	7,235
110	U. RI	6,452	6,701	8,175	8,420	4,062	4,358
111	U. NV, Reno	3,627	5,081	7,052	8,191	4,964	3,227
112	U. Central FL	NA	6,997	7,733	8,007	0	8,007
113	U. VT	5,356	5,697	6,029	7,912	1,325	6,587
114	Loma Linda U.	11,200	5,830	7,848	7,795	0	7,795
115	Wayne State U.	11,115	13,065	9,153	7,640	4,069	3,571
116	San Diego State U.	9,192	10,226	9,585	7,533	4,580	2,953
117	U. SC all campuses	6,960	6,433	4,966	7,390	7,390	0
118	Northeastern U.	NA	10,943	7,612	7,342	5,045	2,297
119	Tufts U.	5,788	5,350	5,807	6,953	3,645	3,308
120	Rockefeller U.	7,495	6,568	7,611	6,782	6,231	551
121	GA State U.	4,631	4,227	7,752	6,719	4,371	2,348
122	U. ND all campuses	2,383	5,187	7,259	6,562	4,123	2,439
123	VA Commonwealth U.	6,367	6,362	6,368	6,472	4,576	1,896
124	Auburn U. all campuses	5,222	3,205	4,084	6,425	6,425	0
125	SUNY Buffalo all campuses	10,510	9,346	6,804	6,342	3,635	2,707
126	San Jose State U.	3,338	4,747	5,712	6,317	3,649	2,668
127	Rice U.	6,014	6,210	5,258	6,065	5,285	780
128	Thomas Jefferson U.	7,734	6,053	5,426	6,054	5,008	1,046
129	U. AR for Medical Sciences	9,789	5,176	6,731	6,021	5,520	501
130	Clemson U.	6,904	7,563	6,984	6,015	NA	NA
131	Naval Postgraduate School	NA	3,998	6,293	5,984	5,253	731
132	SUNY Stony Brook all campuses	7,921	7,667	5,041	5,950	183	5,767
133	Temple U.	4,569	4,178	3,951	5,902	3,351	2,551
134	U. ID	6,239	5,870	7,171	5,824	5,211	613
135	C. of William and Mary all campuses	5,124	5,906	4,652	5,745	1,991	3,754
136	SUNY Health Science Ctr. Brooklyn	NA	5,925	6,223	5,570	4,571	999
137	Southwest MO State U.	237	2,258	1,806	5,506	55	5,451
138	SUNY Albany	6,574	5,516	4,286	5,259	3,059	2,200
139	U. MD Baltimore County	NA	1,923	1,900	5,138	5,138	0
140	WV U.	10,689	6,168	6,084	5,064	2,277	2,787
141	KS State U.	9,516	8,134	7,208	5,023	3,592	1,431
142	OK State U. all campuses	9,194	6,086	5,472	4,985	NA	NA
143	Morehouse School of Medicine	1,059	3,771	708	4,977	3,240	1,737
144	TX A&M U. System Health Science Ctr.	2,095	2,539	2,908	4,976	2,174	2,802
145	ND State U. all campuses	7,184	7,729	5,647	4,883	3,297	1,586
146	Rush U.	5,225	4,729	4,916	4,799	4,799	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
147	Jackson State U.	6,477	6,793	4,000	4,769	1,218	3,551
148	U. SD	855	1,646	4,260	4,769	2,368	2,401
149	Western KY U.	3,499	4,108	5,866	4,719	2,376	2,343
150	Lehigh U.	2,936	4,658	4,864	4,687	4,509	178
151	U. OR	3,130	3,114	3,346	4,434	2,292	2,142
152	U. TX El Paso	6,663	5,734	5,545	4,384	2,894	1,490
153	U. MT-Missoula, The	3,813	5,899	5,337	4,376	3,197	1,179
154	U. MD Ctr. for Environmental Science	4,612	4,703	4,307	4,275	3,126	1,149
155	OH U. all campuses	3,240	3,252	2,529	4,259	2,238	2,021
156	U. Toledo	974	803	1,183	4,244	2,251	1,993
157	U. ME	3,842	3,880	4,543	4,043	1,102	2,941
158	U. TX Arlington	1,214	2,822	3,509	4,024	2,623	1,401
159	CA State U. Long Beach	2,941	1,966	1,692	3,890	0	3,890
160	Rensselaer Polytechnic Institute	4,013	6,162	4,549	3,653	2,695	958
161	Villanova U.	NA	NA	NA	3,650	3,450	200
162	U. MD Biotechnology Institute	2,056	2,614	2,083	3,608	1,828	1,780
163	Howard U.	6,300	3,419	3,681	3,452	3,452	0
164	Brandeis U.	2,469	3,330	3,519	3,429	2,311	1,118
165	Syracuse U. all campuses	7,525	4,470	3,803	3,405	2,370	1,035
166	Southern IL U. Carbondale	6,610	4,263	9,544	3,290	1,274	2,016
167	Boston C.	NA	NA	NA	3,266	NA	NA
168	Wright State U. all campuses	1,689	2,184	3,580	3,256	1,240	2,016
169	U. NC Charlotte	3,363	3,176	2,889	3,078	1,558	1,520
170	Marshall U.	1,968	2,015	3,132	3,061	2,697	364
171	FL Atlantic U.	1,728	1,367	4,020	3,034	1,666	1,368
172	SD State U.	2,208	2,470	2,391	2,881	2,236	645
173	U. AR main campus	2,608	2,391	3,096	2,877	2,012	865
174	CO School of Mines	3,743	3,616	4,774	2,859	1,938	921
175	Dillard U.	0	NA	ne	2,846	1,423	1,423
176	CA State U. Fullerton	599	2,376	3,164	2,835	1,080	1,755
177	TX State U. San Marcos	815	509	646	2,735	2,000	735
178	SUNY Upstate Medical U.	2,201	1,707	3,244	2,661	590	2,071
179	Desert Research Institute	2,326	2,179	1,618	2,625	1,331	1,294
180	Brigham Young U. all campuses	1,983	1,947	2,081	2,587	1,101	1,486
181	CA State U. Monterey Bay	0	46	169	2,433	146	2,287
182	U. PR Medical Sciences Campus	1,358	2,044	1,874	2,405	2,405	0
183	Charles R. Drew U. of Medicine and Science	1,449	1,300	1,566	2,363	960	1,403
184	U. MO-Rolla	3,699	1,938	3,667	2,348	297	2,051
185	Morehouse C.	NA	1,222	3,440	2,330	1,766	564
186	TX Tech U.	1,930	1,602	1,551	2,329	2,092	237
187	U. MO-Kansas City	1,692	1,867	1,795	2,279	1,535	744
188	CUNY The City C.	3,599	3,011	3,003	2,278	2,278	0
189	Old Dominion U.	2,428	2,960	2,801	2,236	1,398	838
190	Teachers C. Columbia U.	1,797	2,085	1,433	2,236	NA	NA
191	Portland State U.	1,412 e	2,194	2,998	2,164	1,312	852
192	U. MA Dartmouth	2,209	2,481	2,462	2,133	833	1,300
193	Ball State U.	1,578	3,107	3,486	2,118	1,394	724
194	U. Memphis, The	637	1,596	1,385	2,101	1,244	857
195	Western MI U.	1,136	2,091	1,749	2,096	1,143	953

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
196	Medical C. GA	2,362	1,824	1,676	2,071	1,946	125
197	U. North TX Health Science Ctr. Ft. Worth	35	NA	985	2,021	1,527	494
198	Loyola U. Chicago	1,448	1,650	2,336	1,959	1,959	0
199	Rochester Institute of Technology	3,057	1,334	2,301	1,854	1,549	305
200	U.S. Military Academy	ne	ne	ne	1,843	0	1,843
201	U. NC Asheville	268	1,136	1,027	1,732	38	1,694
202	Northern IL U.	1,076	1,376	2,417	1,731	1,054	677
203	U. WI Milwaukee	1,528	1,611	1,535	1,693	1,096	597
204	U. TX San Antonio	750	1,058	1,327	1,664	1,212	452
205	U. MA Boston	1,277	1,896	3,190	1,651	57	1,594
206	Stevens Institute of Technology	2,546	3,398	2,704	1,647	1,113	534
207	NC Agricultural and Technical State U.	1,409	2,296	1,626	1,624	1,131	493
208	MI Technological U.	1,303	2,511	1,622	1,622	1,134	488
209	Northern AZ U.	1,269	756	1,305	1,617	1,278	339
210	Polytechnic U.	511	500	1,469	1,600	850	750
211	U. TX Dallas	1,998	4,632	2,678	1,587	835	752
212	U. South AL	1,359	891	1,104	1,558	171	1,387
213	East Carolina U.	1,145	1,349	1,173	1,538	1,538	0
214	Southern Methodist U.	36	1,256	1,289	1,524	873	651
215	CUNY Queens C.	820	700	1,196	1,479	0	1,479
216	U. MA Lowell	1,242	1,592	1,504	1,473	510	963
217	NY Medical C.	748	1,043	829	1,420	1,007	413
218	U. WY	1,514 e	2,882	3,026	1,402	1,123	279
219	IL Institute of Technology	3,641	3,166	2,037	1,369	665	704
220	Southern U. and A&M C. all campuses	1,029	NA	1,144	1,262	NA	NA
221	Southern IL U. Edwardsville	59	873	977	1,248	336	912
222	CUNY Hunter C.	2,481	1,315	2,126	1,211	589	622
223	U. NC Wilmington	2,334	3,305	1,184	1,207	510	697
224	Meharry Medical C.	1,380	1,697	1,727	1,189	1,189	0
225	Kent State U. all campuses	943	535	660	1,184	932	252
226	SUNY Binghamton	933	1,154	1,169	1,146	887	259
227	U. Tulsa	2,032	1,264	1,200	1,130	1,046	84
228	SD School of Mines and Technology	491	562	453	1,128	989	139
229	Polytechnic U. PR	ne	ne	ne	1,127	1,127	0
230	SUNY C. of Environmental Science and Forestry	NA	NA	NA	1,114	509	605
231	ID State U.	205	335	949	1,105	690	415
232	U. WI Superior	0	44	198	1,033	584	449
233	Miami U. all campuses	316	165	663	1,024	829	195
234	TN Technological U.	252	556	145	1,008	552	456
235	U. LA Monroe	0	0	1,219	999	810	189
236	AR State U. main campus	NA	6	731	979	185	794
237	Clarkson U.	1,151	NA	587	949	652	297
238	Worcester Polytechnic Institute	853	487	731	831	812	19
239	Sul Ross State U.	0	703	739	825	825	0
240	La Salle U.	0	ne	0	817	643	174
241	Marquette U.	1,054	980	1,235	804	754	50
242	U. LA Lafayette	353	547	844	760	553	207
243	Prairie View A&M U.	1,025	823	709	687	156	531
244	IL State U.	255	473	283	646	68	578

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
245	Stephen F. Austin State U.	62	20	796	634	634	0
246	U. PR Rio Piedras Campus	518	448	343	625	625	0
247	Cleveland State U.	1,157	957	741	605	141	464
248	U. MO-St. Louis	604	821	925	597	497	100
249	TX Tech U. Health Science Ctr.	175	253	486	580	548	32
250	Lamar U.	1,367	1,394	842	578	501	77
251	Mercer U. all campuses	1,849	1,796	1,607	560	324	236
252	CA State U. San Bernardino	1,971	2,223	2,503	551	534	17
253	U.S. Coast Guard Academy	0	0	303	549	0	549
254	CA State Polytechnic U. San Luis Obispo	1,482	152	796	538	210	328
255	C. Charleston	565	540	830	538	523	15
256	CA State U. Fresno	6,000	4,000	4,864	528	355	173
257	U. of the VI	0	0	0	526	0	526
258	Baylor U.	215	136	209	525	58	467
259	Albany Medical C.	388	290	493	511	408	103
260	Bowling Green State U. all campuses	504	398	1,067	498	224	274
261	MT Tech of the U. MT	295	248	667	462	143	319
262	Black Hills State U.	137	138	416	448	79	369
263	Smith C.	0	81	254	440	308	132
264	CA State U. Northridge	326	95	244	428	210	218
265	St. Joseph's U.	496	288	499	423	421	2
266	Appalachian State U.	41	79	164	420	395	25
267	CA State U. Los Angeles	354	463	551	398	398	0
268	LA Tech U.	1,218	754	294	391	64	327
269	Morehead State U.	60	400	265	380	380	0
270	Northwestern Health Sciences U.	ne	ne	127	379	326	53
271	CA State U. Bakersfield	NA	0	2,016	364	364	0
272	St. Cloud State U.	0	261	205	350	200	150
273	West TX A&M U.	0	0	0	349	263	86
274	Wesleyan U.	391	387	329	345	233	112
275	Spelman C.	0	25	175	344	344	0
276	U. NC Greensboro	1,338	515	777	343	241	102
277	St. John's U. (Jamaica, NY)	NA	268	242	338	16	322
278	U. Denver	960	724	362	331	316	15
279	Pittsburg State U.	0	0	150	330	330	0
280	Catholic U. America, The	522	491	388	323	4	319
281	IN State U. all campuses	117	45	243	321	321	0
282	San Francisco State U.	2,420	NA	2,064	310	310	0
283	Wellesley C.	619	289	164	310	150	160
284	Air Force Institute of Technology	0	0	3	309	92	217
285	DePaul U.	154	385	194	288	68	220
286	U. Akron all campuses	609	687	742	281	223	58
287	Eastern MI U.	104	129	172	278	254	24
288	Barnard C.	96 e	NA	87	277	277	0
289	Duquesne U.	205	175	124	277	139	138
290	Rowan U.	211	148	242	277	225	52
291	Western Carolina U.	206	429	88	270	99	171
292	U. North TX	1,289	244	217	258	235	23
293	Western WA U.	16	9	140	258	257	1

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
294	TN State U.	50	68	80	256	256	0
295	Creighton U.	871	529	203	250	106	144
296	Clark U.	221 e	83	116	244	94	150
297	Clark Atlanta U.	1,244	316	183	238	173	65
298	PA C. of Optometry	0	16	227	238	238	0
299	Rosalind Franklin U. of Medicine and Science	0	160	90	230	230	0
300	U. Redlands	69	740	80	230	230	0
301	CUNY Brooklyn C.	298	190	0	228	228	0
302	Humboldt State U.	NA	NA	NA	228	0	228
303	Xavier U. LA	204	NA	183	224	134	90
304	OR Institute of Technology	0	333	276	221	6	215
305	Claremont Graduate U.	287	121	142	209	76	133
306	AL State U.	200	202	202	202	202	0
307	Lincoln U. (Jefferson City, MO)	0	0	349	202	202	0
308	West Chester U. PA	0	0	0	202	202	0
309	U. West GA	200	200	200	200	200	0
310	Middlebury C.	NA	NA	ne	199	199	0
311	U. Northern CO	155	80	64	195	186	9
312	Andrews U.	0	0	0	194	26	168
313	Nova Southeastern U.	78	93	147	191	0	191
314	U. of the Pacific	142	175	211	190	143	47
315	Norfolk State U.	29	361	86	187	109	78
316	SUNY C. Cortland	13	6	0	186	0	186
317	WV State U.	0	50	68	184	84	100
318	U. West FL	2,414	353	202	174	146	28
319	NM Highlands U.	244	302	222	173	154	19
320	Benedict C.	0	151	138	167	167	0
321	SUNY C. Plattsburgh	143	487	396	166	115	51
322	Kettering U.	18	50	111	162	87	75
323	TX A&M U. Kingsville	250	127	345	159	58	101
324	Harvey Mudd C.	NA	3	70	157	147	10
325	James Madison U.	31	26	33	155	100	55
326	Oakland U.	0	318	506	154	154	0
327	Jacksonville U.	ne	ne	0	153	19	134
328	Occidental C.	NA	142	7	153	110	43
329	TX Southern U.	48	25	327	151	151	0
330	Philadelphia C. of Osteopathic Medicine	47	42	146	146	0	146
331	Fordham U.	250	791	186	141	141	0
332	Coastal Carolina U.	31	13	103	140	34	106
333	Maharishi U. of Management	1,844 e	164	175	138	0	138
334	CUNY Herbert H. Lehman C.	0	35	48	131	131	0
335	Savannah State U.	160	269	284	131	45	86
336	Towson U.	0	137	115	129	109	20
337	Carlos Albizu U. (San Juan, PR)	ne	ne	32	123	123	0
338	Franklin & Marshall C.	222	140	207	122	122	0
339	NC Central U.	NA	NA	188	120	19	101
340	U. AR Pine Bluff	0	10	59	118	106	12
341	Bryn Mawr C.	0	0	52	117	117	0
342	U. IL Springfield	16	189	33	112	0	112

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
343	GA Southern U.	0	34	8	108	108	0
344	U. TX-Pan American	188	14	110	108	108	0
345	Mt. Holyoke C.	71	51	149	101	86	15
346	U. PR Humacao	33	127	472	101	101	0
347	CUNY Graduate Ctr.	0	0	100	100	100	0
348	Bowdoin C.	0	0	116	95	25	70
349	Wheeling Jesuit U.	ne	NA	NA	94	94	0
350	St. Olaf C.	0	0	0	93	93	0
351	Alfred U. all campuses	65	83	13	90	90	0
352	U. San Francisco	154	190	0	89	36	53
353	SUNY C. Buffalo	0	79	34	88	85	3
354	CUNY Baruch C.	0	37	8	87	7	80
355	C. of the Holy Cross	38	0	41	86	86	0
356	U. Baltimore	ne	666	570	85	81	4
357	U. PR Mayaguez Campus	50	70	90	85	85	0
358	VA State U.	0	52	117	84	7	77
359	TX Woman's U.	161	60	41	81	81	0
360	TX Christian U.	0	0	78	80	25	55
361	Trinity U.	58	18	13	80	80	0
362	Hope C.	0	18	9	76	76	0
363	Wichita State U.	376	218	77	75	45	30
364	Pomona C.	0	0	0	72	46	26
365	Ithaca C.	816	688	172	69	45	24
366	Governors State U.	ne	0	0	65	65	0
367	Milwaukee School of Engineering	0	225	33	65	55	10
368	Bucknell U.	0	0	0	64	19	45
369	Davidson C.	ne	NA	62	62	62	0
370	Murray State U.	760	325	762	60	48	12
371	A.T. Still U. of Health Sciences	184	250	214	59	0	59
372	Vassar C.	NA	NA	129	59	59	0
373	Winona State U.	ne	ne	ne	58	58	0
374	Nicholls State U.	0	434	221	56	0	56
375	Ft. Valley State U.	76	12	50	53	53	0
376	U. Scranton	155	100	127	53	20	33
377	Sweet Briar C.	ne	ne	ne	50	0	50
378	U. DC	0	0	50	50	50	0
379	Northeastern OH Universities C. of Medicine	407	535	170	48	3	45
380	U. Richmond	2	100	41	43	43	0
381	U. New England	ne	ne	166	41	3	38
382	CA State Polytechnic U. Pomona	0	0	0	40	40	0
383	U. HI Hilo	0	62	1,649	40	40	0
384	Northern KY U.	13	69	69	38	38	0
385	Roger Williams U. Bristol	0	0	36	38	38	0
386	CUNY Medgar Evers C.	36	20	0	37	0	37
387	Colgate U.	4	0	49	34	34	0
388	Hobart and William Smith Colleges	ne	ne	ne	34	34	0
389	SUNY C. Brockport	55	125	170	34	34	0
390	Monmouth U.	ne	17	42	32	0	32
391	Southern OR U.	0	37	28	32	32	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
392	Swarthmore C.	175	33	81	28	6	22
393	Valparaiso U.	9	34	5	28	28	0
394	Juniata C.	26	9	5	26	26	0
395	U. WI Eau Claire	0	0	0	26	26	0
396	Carleton C.	0	0	21	24	24	0
397	U. Northern IA	0	0	0	23	23	0
398	Colby C.	0	0	0	22	0	22
399	Furman U.	0	133	74	22	22	0
400	U. North FL	1,285	1,677	14	20	0	20
401	Kennesaw State U.	95	28	0	19	0	19
402	Central MI U.	680	957	422	18	10	8
403	Dowling C.	ne	ne	ne	17	17	0
404	Hamilton C. (Clinton, NY)	0	21	14	17	0	17
405	U. Puget Sound	70	69	102	15	15	0
406	Hampshire C.	190	323	63	14	14	0
407	Sam Houston State U.	NA	5	NA	14	14	0
408	Lafayette C.	175	16	37	13	13	0
409	Augsburg C.	0	0	57	12	12	0
410	Bradley U.	39	1	13	11	11	0
411	Abilene Christian U.	0	0	0	10	10	0
412	Bates C.	29	1	17	10	10	0
413	SC State U.	10	10	10	10	10	0
414	U. Houston-Downtown	0	0	0	8	8	0
415	AL A&M U.	1,742	2,008	4	7	4	3
416	Loyola Marymount U.	0	0	0	5	5	0
417	Amherst C.	49	54	22	4	0	4
418	Fisk U.	0	0	4	4	2	2
419	U. WI La Crosse	69	23	12	3	3	0
420	Eastern IL U.	NA	NA	NA	2	2	0
421	Gustavus Adolphus C.	0	0	41	1	1	0
422	Sonoma State U.	0	0	0	1	1	0
	Adelphi U.	ne	ne	ne	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0
	Albany State U.	0	NA	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0
	Allegheny C.	0	0	0	0	0	0
	Angelo State U.	ne	ne	NA	0	0	0
	Arcadia U.	ne	NA	NA	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0
	Bowie State U.	0	0	0	0	0	0
	Bridgewater State C.	5	0	0	0	0	0
	CA State U. Dominguez Hills	49	0	26	0	0	0
	CA State U. East Bay	NA	0	86	0	0	0
	CA State U. Sacramento	ne	ne	NA	0	0	0
	Calvin C.	0	199	0	0	0	0
	Canisius C.	ne	NA	0	0	0	0
	Central CT State U.	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Cheyney U. PA	ne	ne	0	0	0	0
	Chicago State U.	NA	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0
	Coe C.	ne	ne	ne	0	0	0
	C. NJ, The	NA	NA	0	0	0	0
	C. Wooster	NA	NA	NA	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0
	CT C.	NA	0	0	0	0	0
	Cooper Union	0	0	ne	0	0	0
	CUNY C. Staten Island	0	50	0	0	0	0
	CUNY John Jay C. of Criminal Justice	0	NA	0	0	0	0
	CUNY York C.	0	0	0	0	0	0
	Daemen C.	ne	ne	ne	0	0	0
	DE State U.	NA	23	0	0	0	0
	Denison U.	0	NA	0	0	0	0
	Des Moines U.	15 e	NA	0	0	0	0
	Dickinson C.	56	42	0	0	0	0
	Drake U.	277	27	116	0	0	0
	East TN State U.	0	NA	0	0	0	0
	Eastern KY U.	0	0	0	0	0	0
	Eastern OR U.	8	4	0	0	0	0
	Elizabeth City State U.	29	209	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0
	Fairfield U.	0	20	60	0	0	0
	Fayetteville State U.	0	0	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0
	FL Institute of Technology	0	0	NA	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0
	Fuller Theological Seminary CA	ne	179	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0
	Gettysburg C.	ne	0	0	0	0	0
	Goucher C.	ne	ne	ne	0	0	0
	Grambling State U.	158	102	5	0	0	0
	Grand Valley State U.	0	NA	NA	0	0	0
	Grinnell C.	0	0	0	0	0	0
	Haverford C.	0	0	0	0	0	0
	Hendrix C.	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	ne	0	0	0	0	0
	Hofstra U.	NA	NA	0	0	0	0
	IL Wesleyan U.	ne	0	0	0	0	0
	Indiana U. PA all campuses	NA	0	0	0	0	0
	Jacksonville State U.	ne	NA	0	0	0	0
	John Carroll U.	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	28	22	0	0	0	0
	KY State U.	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Lawrence U.	ne	ne	0	0	0	0
	LeTourneau U.	ne	ne	ne	0	0	0
	Lewis and Clark C.	0	0	62	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0
	Loyola C.	0	0	NA	0	0	0
	Loyola U. New Orleans	ne	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	NA	NA	0	0	0
	Mayville State U.	ne	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0
	Mercy C.	ne	ne	0	0	0	0
	Mercyhurst C.	ne	ne	0	0	0	0
	Middle TN State U.	0	0	NA	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0
	Miles C.	ne	ne	ne	0	0	0
	Millsaps C.	ne	NA	0	0	0	0
	MT State U. Billings	ne	NA	0	0	0	0
	Morgan State U.	0	NA	NA	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
	Muhlenberg C.	ne	0	0	0	0	0
	National U. of Health Sciences	0	0	16	0	0	0
	New England C. of Optometry	0	0	0	0	0	0
	New School, The	1,335	30	0	0	0	0
	NY Institute of Technology all campuses	143	0	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0
	Northeastern State U.	NA	0	0	0	0	0
	Northern MI U.	ne	ne	ne	0	0	0
	Northwestern State U.	ne	ne	0	0	0	0
	Oberlin C.	0	0	0	0	0	0
	Oglala Lakota C.	ne	ne	ne	0	0	0
	OH Wesleyan U.	NA	46	0	0	0	0
	Pace U. all campuses	0	0	107	0	0	0
	Pacific Lutheran U.	ne	ne	ne	0	0	0
	Pacific U.	NA	0	0	0	0	0
	Philadelphia U.	ne	NA	0	0	0	0
	Pitzer C.	0	0	0	0	0	0
	Point Loma Nazarene C.	ne	98	82	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0
	Rhodes C.	ne	21	2	0	0	0
	Rider U.	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0
	Rose-Hulman Institute of Technology	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0
	Sarah Lawrence C.	ne	ne	0	0	0	0
	Seton Hall U.	0	0	61	0	0	0
	Shaw U.	NA	0	0	0	0	0
	Simmons C.	103	26	0	0	0	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Sinte Gleska U.	ne	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0
	Southern Polytechnic State U.	ne	ne	ne	0	0	0
	Southern U. New Orleans	0	ne	0	0	0	0
	Southwestern OK State U.	ne	ne	ne	0	0	0
	St. Francis U. (Loretto, PA)	ne	98	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	164	148	0	0	0	0
	SUNY C. Geneseo	0	309	0	0	0	0
	SUNY C. of Optometry	0	NA	0	0	0	0
	SUNY C. Old Westbury	0	0	0	0	0	0
	SUNY Fredonia	0	0	NA	0	0	0
	Tarleton State U.	0	0	0	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0
	TX A&M U. Corpus Christi	0	0	0	0	0	0
	Tougaloo C.	NA	NA	5	0	0	0
	Trinity C. (Hartford, CT)	29	0	0	0	0	0
	Troy U. main campus	ne	ne	0	0	0	0
	Truman State U.	NA	0	0	0	0	0
	Tuskegee U.	NA	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	10	0	0	0
	U.S. Air Force Academy	0	200	68	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0
	Universidad del Este	ne	ne	0	0	0	0
	Universidad del Turabo	ne	NA	0	0	0	0
	Universidad Metropolitana	ne	NA	0	0	0	0
	U. AK Anchorage all campuses	0	NA	NA	0	0	0
	U. AK Southeast all campuses	NA	NA	NA	0	0	0
	U. Central OK	0	0	0	0	0	0
	U. GU	452	NA	0	0	0	0
	U. Hartford	58	0	0	0	0	0
	U. Houston-Clear Lake	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0
	U. MD Eastern Shore	0	0	0	0	0	0
	U. New Haven	NA	0	ne	0	0	0
	U. NC Pembroke	ne	ne	0	0	0	0
	U. Portland	0	0	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0
	U. TX of the Permian Basin	ne	ne	ne	0	0	0
	U. TX Tyler	ne	0	0	0	0	0
	U. WI Green Bay	0	0	0	0	0	0
	U. WI Oshkosh	0	0	0	0	0	0
	U. WI Parkside	0	36	0	0	0	0
	U. WI Platteville	ne	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0
	U. WI Stevens Point	12	0	0	0	0	0

TABLE 43. R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	U. WI Stout	13	0	0	0	0	0
	U. WI Whitewater	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0
	U. of the South	ne	0	0	0	0	0
	Ursinus C.	ne	ne	0	0	0	0
	VA Military Institute	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0
	Washington and Lee U.	ne	0	0	0	0	0
	West Liberty State C.	ne	ne	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0
	Western CT State U.	ne	ne	ne	0	0	0
	Western IL U.	NA	0	0	0	0	0
	Western U. of Health Sciences	24	92	198	0	0	0
	Whitman C.	0	0	0	0	0	0
	Wilberforce U.	ne	ne	ne	0	0	0
	Wilkes U.	20	ne	0	0	0	0
	Willamette U.	0	0	0	0	0	0
	Williams C.	NA	0	NA	0	0	0
	All other surveyed institutions	32,349	34,301	19,615	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

^b The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in total R&D expenditures passed through to subrecipients in FY 2007.

NOTES: Institutions that are not listed in this table did not respond in FY 2007 to item 1A, R&D expenditures passed through to subrecipients. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	All institutions	2,381,500	2,659,528	2,742,485	2,854,582	1,502,810	979,818
1	Johns Hopkins U., The ^b	103,382	116,522	118,822	124,083	NA	NA
2	Duke U.	38,174	55,090	59,374	83,906	83,906	0
3	U. MI all campuses	44,602	52,837	50,963	58,300	31,830	26,470
4	Columbia U. in the City of NY	41,791	54,486	53,945	55,562	31,115	24,447
5	U. MN all campuses	39,280	46,431	43,642	54,145	NA	NA
6	U. CO all campuses	51,064	64,210	54,611	53,890	22,718	31,172
7	Stanford U.	72,911	75,536	56,571	53,287	21,549	31,738
8	Harvard U.	53,873	47,949	49,924	50,751	15,655	35,096
9	U. WI Madison	41,751	55,066	61,486	50,220	36,047	14,173
10	U. PA	47,796	46,673	48,698	45,808	25,729	20,079
11	U. Southern CA	41,273	46,175	48,527	43,625	18,897	24,728
12	U. AZ	45,390	49,846	43,725	43,034	28,403	14,631
13	U. NC Chapel Hill	37,403	36,835	34,418	40,468	26,770	13,698
14	U. Pittsburgh all campuses	28,103	31,432	35,261	39,037	20,299	18,738
15	MA Institute of Technology	26,482	30,795	31,397	37,676	21,863	15,813
16	Cornell U. all campuses	31,151	37,303	39,805	37,266	NA	NA
17	Washington U. St. Louis	27,388	31,581	30,638	37,191	23,815	13,376
18	CA Institute of Technology	28,923	17,312	30,997	35,907	8,054	27,853
19	U. FL	27,127	31,398	31,733	35,799	32,219	3,580
20	Baylor C. of Medicine	35,596	39,819	40,522	35,490	27,051	8,439
21	U. TX Austin	13,310	16,245	27,461	34,549	19,891	14,658
22	Vanderbilt U.	19,037	26,368	27,212	32,143	21,108	11,035
23	OH State U. all campuses	28,252	25,771	32,856	30,942	14,804	16,138
24	U. Chicago	17,691	23,813	23,187	30,893	23,334	7,559
25	George Washington U.	21,445	20,522	22,580	29,231	19,652	9,579
26	U. AL Birmingham, The	27,896	33,127	36,106	28,620	19,750	8,870
27	U. HI Manoa	20,103	19,499	24,540	27,806	9,337	18,469
28	Yale U.	29,308	32,221	32,197	27,689	14,614	13,075
29	U. MD College Park	18,794	23,604	22,932	26,976	0	26,976
30	Scripps Research Institute, The	NA	22,978	25,876	26,671	14,143	12,528
31	Mt. Sinai School of Medicine	17,442	17,237	25,507	26,422	26,422	0
32	CO State U.	13,131	15,921	16,432	23,993	NA	NA
33	Northwestern U.	16,993	22,170	25,793	23,824	NA	NA
34	U. South FL	22,563	23,779	20,934	23,331	NA	NA
35	U. IL Urbana-Champaign	36,706	30,101	25,504	23,287	17,641	5,646
36	Boston U.	20,266	22,838	26,979	22,969	15,064	7,905
37	Georgetown U.	8,328	10,348	20,839	22,926	10,309	12,617
38	MS State U.	18,925	17,370	19,409	21,290	13,437	7,853
39	U. TX Health Science Ctr. Houston	15,254	17,410	20,888	21,170	16,762	4,408
40	GA Institute of Technology all campuses	17,451	22,207	19,987	21,084	14,516	6,568
41	FL State U.	19,033	20,132	20,710	20,710	12,206	8,504
42	U. IA	14,584	14,452	20,575	20,392	0	20,392
43	IN U. all campuses	15,960	17,561	17,932	20,204	10,100	10,104
44	Rutgers, The State U. NJ all campuses	18,219	20,537	19,855	20,195	16,566	3,629
45	U. NE all campuses	18,168	17,675	21,128	20,159	15,833	4,326
46	Wake Forest U.	14,661	22,033	16,600	20,136	12,577	7,559
47	Purdue U. all campuses	15,537	14,708	16,336	19,691	15,558	4,133
48	U. Rochester	14,155	17,588	19,988	19,667	14,632	5,035

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
49	Case Western Reserve U.	5,141	17,298	22,456	19,312	19,312	0
50	Emory U.	16,047	16,196	18,291	18,356	13,882	4,474
51	Dartmouth C.	15,514	13,840	21,639	18,011	NA	NA
52	U. IL Chicago	12,473	14,485	13,412	17,937	9,156	8,781
53	NY U.	12,203	15,520	15,474	17,685	14,694	2,991
54	U. KY all campuses	12,486	14,731	16,010	17,060	17,060	0
55	U. Dayton	15,475	15,136	15,575	16,762	2,154	14,608
56	U. Cincinnati all campuses	12,977	14,840	13,013	16,517	16,517	0
57	U. VA all campuses	16,565	17,510	15,634	16,304	12,082	4,222
58	Carnegie Mellon U.	21,607	24,189	24,698	16,286	11,676	4,610
59	LA State U. all campuses	6,712	9,685	9,449	16,106	10,188	5,918
60	U. of Medicine and Dentistry NJ	10,894	10,844	17,060	15,999	13,183	2,816
61	Princeton U.	13,394	14,533	13,118	15,828	11,427	4,401
62	U. TX M. D. Anderson Cancer Ctr.	12,098	11,771	12,799	15,364	10,074	5,290
63	OR Health & Science U.	15,359	14,709	13,799	15,242	7,067	8,175
64	VA Polytechnic Institute and State U.	13,026	12,770	15,165	15,120	7,954	7,166
65	U. TX Southwestern Medical Ctr. Dallas	16,963	18,085	18,125	15,085	8,874	6,211
66	U. NM main campus	8,721	11,602	12,334	15,027	9,681	5,346
67	Tulane U.	9,836	13,741	8,994	14,814	8,751	6,063
68	U. TX Medical Branch	8,443	13,974	14,457	14,784	10,850	3,934
69	NM State U. main campus	11,736	16,015	9,202	14,544	4,198	10,346
70	Medical C. WI	10,397	12,473	13,650	14,178	4,958	9,220
71	Drexel U.	12,161	11,602	13,044	14,160	NA	NA
72	U. KS all campuses	14,553	9,990	12,723	14,052	8,928	5,124
73	U. Miami	9,600	12,957	12,538	14,035	6,884	7,151
74	U. Southern MS	6,592	4,129	8,963	13,546	9,439	4,107
75	U. NH	13,465	13,272	14,521	13,540	NA	NA
76	NC State U.	11,130	10,891	11,243	13,248	5,042	8,206
77	U. GA	15,799	17,689	13,195	12,789	NA	NA
78	NM Institute of Mining and Technology	3,313	NA	6,403	12,742	0	12,742
79	U. TX Health Science Ctr. San Antonio	5,025	11,773	10,257	12,514	3,328	9,186
80	Hampton U.	18,925	30,612	14,776	11,855	10,585	1,270
81	MT State U. Bozeman	9,950	13,055	13,299	11,651	NA	NA
82	NJ Institute of Technology	6,638	7,413	5,829	11,456	1,028	10,428
83	U. MO-Columbia	7,295	8,918	9,463	11,324	8,029	3,295
84	U. NV, Las Vegas	NA	9,062	11,494	11,179	11,145	34
85	Woods Hole Oceanographic Institution	4,295	5,216	4,126	11,167	3,684	7,483
86	U. UT	9,619	12,822	11,834	11,126	6,119	5,007
87	U. MS all campuses	11,429	8,857	6,476	10,767	8,074	2,693
88	U. CT all campuses	9,944	10,414	14,213	10,658	6,400	4,258
89	U. DE	7,821	7,802	9,076	10,559	5,944	4,615
90	U. OK all campuses	8,545	8,094	10,241	10,539	8,110	2,429
91	Brown U.	10,658	17,606	13,496	10,201	4,087	6,114
92	U. AL, The	6,397	4,678	6,560	9,783	4,700	5,083
93	Eastern VA Medical School	7,944	10,404	9,891	9,708	2,553	7,155
94	Yeshiva U.	9,630	1,273	11,084	9,492	9,492	0
95	U. TN all campuses	10,281	9,569	8,799	9,248	5,868	3,380
96	OR State U.	6,221	9,877	11,395	9,169	5,315	3,854
97	U. MA Worcester	8,081	8,533	10,012	8,930	8,930	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
98	St. Louis U. all campuses	3,321 e	9,189	9,321	8,869	5,589	3,280
99	AZ State U.	6,504	8,837	10,066	8,696	5,411	3,285
100	U. MA Amherst	5,049	6,033	6,699	8,312	8,312	0
101	U. NV, Reno	3,305	4,694	6,770	8,048	4,887	3,161
102	U. VT	5,276	5,025	5,418	7,912	1,325	6,587
103	U. RI	6,129	6,058	7,324	7,839	3,948	3,891
104	Loma Linda U.	11,194	5,697	7,682	7,795	0	7,795
105	WA State U.	8,612	7,215	7,708	7,732	4,992	2,740
106	Medical U. SC	7,957	7,756	6,732	7,685	3,886	3,799
107	George Mason U.	21,201	4,226	4,633	7,645	958	6,687
108	U. Louisville	4,632	6,233	6,362	7,385	4,431	2,954
109	U. of Notre Dame	5,210	7,639	6,849	7,186	5,727	1,459
110	Northeastern U.	NA	10,742	7,419	6,948	4,812	2,136
111	MI State U.	11,362	15,458	7,603	6,868	4,775	2,093
112	U. ND all campuses	2,383	5,187	7,259	6,562	4,123	2,439
113	Auburn U. all campuses	5,022	3,111	4,084	6,425	6,425	0
114	Tufts U.	4,851	4,892	5,568	6,383	3,411	2,972
115	Rockefeller U.	7,325	6,451	6,811	6,197	6,033	164
116	U. SC all campuses	6,711	6,042	4,871	6,099	6,099	0
117	Wayne State U.	7,732	9,467	7,278	6,099	3,388	2,711
118	Rice U.	5,984	6,179	5,198	5,998	5,273	725
119	Thomas Jefferson U.	7,504	5,999	5,374	5,908	4,982	926
120	SUNY Buffalo all campuses	10,089	8,890	6,467	5,836	3,345	2,491
121	SUNY Stony Brook all campuses	7,202	7,180	5,041	5,810	183	5,627
122	U. AR for Medical Sciences	9,304	5,098	6,574	5,731	5,451	280
123	Clemson U.	6,466	6,997	6,416	5,724	NA	NA
124	U. ID	5,970	5,608	6,964	5,602	4,995	607
125	VA Commonwealth U.	6,367	6,362	6,368	5,552	4,425	1,127
126	U. Central FL	NA	4,230	4,085	5,505	0	5,505
127	Southwest MO State U.	237	2,258	1,806	5,503	55	5,448
128	SUNY Health Science Ctr. Brooklyn	NA	5,925	6,041	5,462	4,527	935
129	San Diego State U.	6,026	8,011	7,973	5,257	3,729	1,528
130	C. of William and Mary all campuses	3,753	4,816	4,336	5,208	1,807	3,401
131	U. MD Baltimore County	NA	0	0	5,138	5,138	0
132	GA State U.	4,572	4,227	6,494	4,978	3,957	1,021
133	Morehouse School of Medicine	1,059	1,322	708	4,977	3,240	1,737
134	Rush U.	5,167	4,471	4,721	4,799	4,799	0
135	ND State U. all campuses	7,111	7,714	5,596	4,775	3,189	1,586
136	Jackson State U.	6,477	6,793	4,000	4,769	1,218	3,551
137	KS State U.	9,156	7,745	6,869	4,739	3,411	1,328
138	U. AL Huntsville, The	2,984	3,932	4,027	4,638	1,206	3,432
139	FL International U.	0	3,710	3,378	4,592	2,142	2,450
140	U. SD	855	1,646	3,223	4,591	2,272	2,319
141	Western KY U.	2,689	3,711	4,970	4,510	2,187	2,323
142	U. OR	2,922	2,910	3,257	4,247	2,241	2,006
143	U. TX El Paso	6,456	5,341	5,463	4,213	2,853	1,360
144	San Jose State U.	1,806	2,581	3,204	4,201	3,258	943
145	U. MD Ctr. for Environmental Science	3,426	4,030	3,732	4,007	3,013	994
146	U. ME	3,731	3,712	4,122	3,944	1,102	2,842

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
147	U. Toledo	819	592	1,123	3,914	2,185	1,729
148	Temple U.	3,407	2,312	2,077	3,907	2,556	1,351
149	OK State U. all campuses	8,530	5,035	4,236	3,766	NA	NA
150	CA State U. Long Beach	2,911	1,966	1,616	3,751	0	3,751
151	U. TX Arlington	673	2,192	3,314	3,685	2,396	1,289
152	WV U.	10,238	5,619	5,675	3,615	1,184	2,431
153	U. MD Biotechnology Institute	2,056	2,097	2,004	3,608	1,828	1,780
154	Howard U.	5,379	3,419	3,675	3,402	3,402	0
155	U. MT-Missoula, The	3,588	5,072	4,729	3,384	2,553	831
156	Villanova U.	NA	NA	NA	3,350	3,200	150
157	Marshall U.	1,968	2,015	3,057	3,011	2,697	314
158	Brandeis U.	2,229	2,724	2,969	2,998	2,015	983
159	Syracuse U. all campuses	6,193	3,348	3,566	2,921	2,221	700
160	Rensselaer Polytechnic Institute	2,305	4,262	4,040	2,858	2,288	570
161	TX A&M U. System Health Science Ctr.	1,614	1,750	2,332	2,797	2,157	640
162	Boston C.	NA	NA	NA	2,684	NA	NA
163	SUNY Albany	1,650	1,867	1,507	2,667	1,164	1,503
164	SUNY Upstate Medical U.	852	1,524	3,227	2,559	590	1,969
165	CO School of Mines	3,165	3,132	4,394	2,504	1,699	805
166	FL Atlantic U.	1,728	1,367	3,618	2,409	1,597	812
167	U. AR main campus	2,372	2,344	2,864	2,407	1,865	542
168	U. PR Medical Sciences Campus	1,358	2,044	1,874	2,405	2,405	0
169	Charles R. Drew U. of Medicine and Science	1,449	1,300	1,566	2,363	960	1,403
170	CA State U. Fullerton	599	2,245	2,526	2,357	978	1,379
171	Desert Research Institute	2,116	2,179	1,199	2,298	1,331	967
172	SD State U.	2,136	2,438	2,374	2,268	2,069	199
173	U. MO-Rolla	3,490	1,840	3,464	2,267	296	1,971
174	U. MO-Kansas City	1,660	1,723	1,554	2,210	1,505	705
175	Western MI U.	1,136	2,091	1,749	2,096	1,143	953
176	Brigham Young U. all campuses	1,983	1,658	1,607	2,092	1,099	993
177	Morehouse C.	NA	1,222	3,220	2,069	1,761	308
178	Medical C. GA	2,262	1,586	1,497	2,062	1,937	125
179	Wright State U. all campuses	1,446	2,045	2,217	2,060	1,240	820
180	CUNY The City C.	2,835	2,593	2,376	1,998	1,998	0
181	U. Memphis, The	512	1,255	1,287	1,984	1,238	746
182	TX Tech U.	1,930	1,602	1,551	1,981	1,917	64
183	Portland State U.	1,373 e	2,012	2,865	1,955	1,183	772
184	Old Dominion U.	1,873	2,417	2,349	1,901	1,300	601
185	U.S. Military Academy	ne	ne	ne	1,843	0	1,843
186	U. North TX Health Science Ctr. Ft. Worth	35	NA	985	1,754	1,319	435
187	Loyola U. Chicago	1,434	1,141	1,505	1,745	1,745	0
188	Northern IL U.	1,076	1,376	2,417	1,731	1,054	677
189	Ball State U.	1,071	2,621	1,867	1,730	1,007	723
190	Teachers C. Columbia U.	1,131	1,224	780	1,725	NA	NA
191	Rochester Institute of Technology	2,665	1,319	2,246	1,620	1,329	291
192	Stevens Institute of Technology	2,546	3,174	2,682	1,605	1,081	524
193	U. TX Dallas	1,998	4,632	2,678	1,587	835	752
194	U. South AL	1,359	806	1,073	1,558	171	1,387
195	Southern Methodist U.	36	1,256	1,288	1,524	873	651

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
196	U. WI Milwaukee	1,359	1,413	1,308	1,518	980	538
197	U. MA Dartmouth	1,753	1,620	1,153	1,511	833	678
198	U. NC Charlotte	3,278	2,346	1,990	1,511	1,401	110
199	Northern AZ U.	1,156	723	1,009	1,450	1,240	210
200	CUNY Queens C.	771	700	1,196	1,445	0	1,445
201	NY Medical C.	693	953	829	1,420	1,007	413
202	MI Technological U.	1,073	1,841	1,417	1,417	969	448
203	U. TX San Antonio	658	821	1,297	1,379	1,067	312
204	NC Agricultural and Technical State U.	1,246	1,993	1,605	1,352	883	469
205	OH U. all campuses	2,106	2,277	1,980	1,319	653	666
206	U. MA Lowell	1,096	1,480	1,261	1,309	443	866
207	Southern U. and A&M C. all campuses	1,029	NA	1,144	1,262	NA	NA
208	IL Institute of Technology	1,848	2,634	1,831	1,215	622	593
209	Lehigh U.	1,330	990	940	1,209	1,031	178
210	U. NC Wilmington	2,334	3,241	1,184	1,198	510	688
211	U. NC Asheville	0	601	663	1,196	36	1,160
212	Meharry Medical C.	1,380	1,697	1,727	1,189	1,189	0
213	U. Tulsa	1,818	1,214	1,200	1,130	1,046	84
214	SD School of Mines and Technology	491	485	281	1,121	988	133
215	U. WY	1,514 e	2,181	2,290	1,114	938	176
216	ID State U.	205	335	949	1,105	690	415
217	TX State U. San Marcos	815	509	427	1,078	1,031	47
218	SUNY C. of Environmental Science and Forestry	NA	NA	NA	1,047	451	596
219	U. MA Boston	1,147	1,137	2,697	1,029	19	1,010
220	U. WI Superior	0	44	198	1,006	584	422
221	Kent State U. all campuses	821	466	573	985	855	130
222	Dillard U.	0	NA	ne	919	577	342
223	Southern IL U. Edwardsville	59	644	928	908	274	634
224	East Carolina U.	1,023	1,339	1,107	858	858	0
225	SUNY Binghamton	586	944	996	851	668	183
226	Worcester Polytechnic Institute	853	439	723	831	812	19
227	TN Technological U.	252	556	145	827	552	275
228	Sul Ross State U.	0	703	739	825	825	0
229	AR State U. main campus	NA	6	731	820	32	788
230	La Salle U.	0	ne	0	817	643	174
231	Marquette U.	972	928	1,190	792	751	41
232	Miami U. all campuses	192	150	656	763	699	64
233	Prairie View A&M U.	1,016	63	180	687	156	531
234	U. LA Lafayette	318	415	629	686	479	207
235	Clarkson U.	1,033	NA	457	677	397	280
236	Stephen F. Austin State U.	62	20	796	634	634	0
237	U. PR Rio Piedras Campus	518	448	343	625	625	0
238	Polytechnic U.	279	445	454	600	450	150
239	CUNY Hunter C.	855	759	1,312	589	370	219
240	U. MO-St. Louis	525	630	753	577	497	80
241	CA State U. San Bernardino	427	2,223	2,503	551	534	17
242	U.S. Coast Guard Academy	0	0	303	549	0	549
243	Mercer U. all campuses	998	1,063	937	512	322	190
244	C. Charleston	565	540	830	484	469	15

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
245	TX Tech U. Health Science Ctr.	155	237	452	473	460	13
246	CA State U. Fresno	0	0	0	462	308	154
247	Cleveland State U.	1,154	899	709	457	97	360
248	MT Tech of the U. MT	131	213	637	456	143	313
249	Smith C.	0	81	254	440	308	132
250	St. Joseph's U.	438	262	467	421	421	0
251	Black Hills State U.	137	108	382	415	46	369
252	Southern IL U. Carbondale	487	752	489	401	238	163
253	U. LA Monroe	0	0	735	401	341	60
254	CA State U. Los Angeles	354	442	537	398	398	0
255	Morehead State U.	60	400	265	380	380	0
256	Appalachian State U.	32	79	144	370	370	0
257	Albany Medical C.	340	188	360	355	300	55
258	West TX A&M U.	0	0	0	349	263	86
259	Wesleyan U.	391	376	310	345	233	112
260	Spelman C.	0	25	175	344	344	0
261	St. John's U. (Jamaica, NY)	NA	268	242	338	16	322
262	U. NC Greensboro	1,326	508	740	336	241	95
263	Bowling Green State U. all campuses	484	398	878	335	74	261
264	Pittsburg State U.	0	0	150	330	330	0
265	IN State U. all campuses	117	45	223	321	321	0
266	San Francisco State U.	2,420	NA	619	310	310	0
267	Air Force Institute of Technology	0	0	3	309	92	217
268	Catholic U. America, The	522	491	372	304	4	300
269	St. Cloud State U.	0	261	180	299	149	150
270	Polytechnic U. PR	ne	ne	ne	285	285	0
271	Duquesne U.	205	175	102	277	139	138
272	U. Denver	949	705	306	273	267	6
273	LA Tech U.	392	293	80	267	62	205
274	Western WA U.	16	9	140	258	257	1
275	CA State U. Monterey Bay	0	36	154	257	143	114
276	TN State U.	50	68	80	256	256	0
277	DePaul U.	154	385	194	246	68	178
278	Clark U.	45 e	83	116	244	94	150
279	U. North TX	1,242	220	212	243	220	23
280	Western Carolina U.	0	429	88	242	76	166
281	Clark Atlanta U.	1,244	316	183	238	173	65
282	Creighton U.	707	451	145	238	106	132
283	PA C. of Optometry	0	16	227	238	238	0
284	Rosalind Franklin U. of Medicine and Science	0	160	90	230	230	0
285	U. Redlands	69	695	80	230	230	0
286	CUNY Brooklyn C.	238	190	0	228	228	0
287	Eastern MI U.	104	104	172	224	200	24
288	Xavier U. LA	204	NA	183	224	134	90
289	U. Akron all campuses	390	609	661	221	202	19
290	OR Institute of Technology	0	333	276	215	0	215
291	Wellesley C.	391	168	134	211	150	61
292	Lincoln U. (Jefferson City, MO)	0	0	349	202	202	0
293	West Chester U. PA	0	0	0	202	202	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
294	AL State U.	200	200	200	200	200	0
295	Middlebury C.	NA	NA	ne	199	199	0
296	U. Northern CO	155	80	64	195	186	9
297	Nova Southeastern U.	78	93	147	191	0	191
298	U. of the Pacific	142	175	211	190	143	47
299	SUNY C. Cortland	13	6	0	186	0	186
300	WV State U.	0	50	68	184	84	100
301	Barnard C.	96 e	NA	87	182	182	0
302	Baylor U.	4	30	0	175	32	143
303	U. West FL	2,414	353	202	174	146	28
304	Benedict C.	0	151	138	167	167	0
305	NM Highlands U.	238	84	128	166	149	17
306	Harvey Mudd C.	NA	3	70	157	147	10
307	Kettering U.	18	50	111	155	80	75
308	Oakland U.	0	270	506	154	154	0
309	Jacksonville U.	ne	ne	0	153	19	134
310	Occidental C.	NA	79	2	153	110	43
311	TX Southern U.	48	25	327	151	151	0
312	Philadelphia C. of Osteopathic Medicine	0	0	146	146	0	146
313	Maharishi U. of Management	0 e	164	175	138	0	138
314	SUNY C. Plattsburgh	114	362	310	133	98	35
315	CA State U. Northridge	326	95	96	131	131	0
316	Savannah State U.	160	269	284	131	45	86
317	TX A&M U. Kingsville	222	127	317	130	58	72
318	Coastal Carolina U.	31	13	103	127	34	93
319	Carlos Albizu U. (San Juan, PR)	ne	ne	32	123	123	0
320	Franklin & Marshall C.	222	140	207	122	122	0
321	NC Central U.	NA	NA	188	120	19	101
322	U. AR Pine Bluff	0	10	59	118	106	12
323	Bryn Mawr C.	0	0	52	117	117	0
324	Humboldt State U.	NA	NA	NA	112	0	112
325	Towson U.	0	50	115	109	109	0
326	GA Southern U.	0	0	8	108	108	0
327	U. TX-Pan American	188	14	110	108	108	0
328	Mt. Holyoke C.	71	51	149	101	86	15
329	U. PR Humacao	33	127	472	101	101	0
330	U. West GA	100	100	100	100	100	0
331	Wheeling Jesuit U.	ne	NA	NA	94	94	0
332	St. Olaf C.	0	0	0	93	93	0
333	SUNY C. Buffalo	0	79	34	88	85	3
334	C. of the Holy Cross	38	0	41	86	86	0
335	CUNY Herbert H. Lehman C.	0	35	36	85	85	0
336	U. PR Mayaguez Campus	50	70	90	85	85	0
337	VA State U.	0	0	117	84	7	77
338	TX Woman's U.	161	60	41	81	81	0
339	U. Baltimore	ne	666	0	81	81	0
340	TX Christian U.	0	0	78	80	25	55
341	Trinity U.	58	18	13	80	80	0
342	U. IL Springfield	0	0	0	79	0	79

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
343	Rowan U.	180	148	212	78	78	0
344	Hope C.	0	18	9	76	76	0
345	Wichita State U.	334	155	77	75	45	30
346	Bowdoin C.	0	0	105	70	0	70
347	Ithaca C.	816	688	172	69	45	24
348	CA State Polytechnic U. San Luis Obispo	350	111	742	68	0	68
349	Governors State U.	ne	0	0	65	65	0
350	Milwaukee School of Engineering	0	0	33	65	55	10
351	Davidson C.	ne	NA	62	62	62	0
352	Murray State U.	51	43	167	60	48	12
353	Vassar C.	NA	23	129	59	59	0
354	Winona State U.	ne	ne	ne	58	58	0
355	Nicholls State U.	0	434	221	56	0	56
356	Andrews U.	0	0	0	53	0	53
357	Ft. Valley State U.	76	12	50	53	53	0
358	U. Scranton	155	100	127	53	20	33
359	Sweet Briar C.	ne	ne	ne	50	0	50
360	U. DC	0	0	50	50	50	0
361	Northeastern OH Universities C. of Medicine	374	535	170	48	3	45
362	U. Richmond	2	100	41	43	43	0
363	CA State Polytechnic U. Pomona	0	0	0	40	40	0
364	Pomona C.	0	0	0	40	40	0
365	U. HI Hilo	0	62	1,649	40	40	0
366	Northern KY U.	13	69	69	38	38	0
367	Roger Williams U. Bristol	0	0	36	38	38	0
368	CUNY Medgar Evers C.	0	20	0	37	0	37
369	Colgate U.	4	0	49	34	34	0
370	Hobart and William Smith Colleges	ne	ne	ne	34	34	0
371	SUNY C. Brockport	55	125	170	34	34	0
372	Monmouth U.	ne	17	0	32	0	32
373	Southern OR U.	0	37	28	32	32	0
374	Lamar U.	681	406	310	29	29	0
375	Swarthmore C.	175	33	81	28	6	22
376	Bucknell U.	0	0	0	27	19	8
377	IL State U.	210	317	174	27	23	4
378	Juniata C.	26	9	5	26	26	0
379	U. WI Eau Claire	0	0	0	26	26	0
380	Carleton C.	0	0	21	24	24	0
381	U. Northern IA	0	0	0	23	23	0
382	Colby C.	0	0	0	22	0	22
383	Furman U.	0	133	74	22	22	0
384	U. North FL	156	1,319	14	20	0	20
385	Kennesaw State U.	95	14	0	19	0	19
386	Central MI U.	680	957	192	18	10	8
387	Dowling C.	ne	ne	ne	17	17	0
388	Hamilton C. (Clinton, NY)	0	21	14	17	0	17
389	U. Puget Sound	70	69	102	15	15	0
390	Hampshire C.	0	323	60	14	14	0
391	Sam Houston State U.	NA	5	NA	14	14	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
392	Augsburg C.	0	0	57	12	12	0
393	Bradley U.	39	1	13	11	11	0
394	CUNY Graduate Ctr.	0	0	11	11	11	0
395	Valparaiso U.	9	34	5	11	11	0
396	Abilene Christian U.	0	0	0	10	10	0
397	Bates C.	29	1	17	10	10	0
398	SC State U.	10	10	10	10	10	0
399	U. Houston-Downtown	0	0	0	8	8	0
400	Claremont Graduate U.	0	0	0	5	0	5
401	Loyola Marymount U.	0	0	0	5	5	0
402	AL A&M U.	1,607	1,988	1	4	3	1
403	Amherst C.	49	54	22	4	0	4
404	U. New England	ne	ne	158	3	3	0
405	U. WI La Crosse	69	23	12	3	3	0
406	Sonoma State U.	0	0	0	1	1	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0
	Adelphi U.	ne	ne	ne	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0
	Albany State U.	0	NA	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0
	Alfred U. all campuses	0	35	0	0	0	0
	Allegheny C.	0	0	0	0	0	0
	Angelo State U.	ne	ne	NA	0	0	0
	Arcadia U.	ne	NA	NA	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0
	Bowie State U.	0	0	0	0	0	0
	Bridgewater State C.	5	0	0	0	0	0
	CA State U. Bakersfield	NA	0	0	0	0	0
	CA State U. Dominguez Hills	49	0	26	0	0	0
	CA State U. East Bay	NA	0	86	0	0	0
	CA State U. Sacramento	ne	ne	NA	0	0	0
	Calvin C.	0	199	0	0	0	0
	Canisius C.	ne	NA	0	0	0	0
	Central CT State U.	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0
	Cheyney U. PA	ne	ne	0	0	0	0
	Chicago State U.	NA	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0
	Coe C.	ne	ne	ne	0	0	0
	C. NJ, The	NA	NA	0	0	0	0
	C. Wooster	NA	NA	NA	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0
	CT C.	NA	0	0	0	0	0
	Cooper Union	0	0	ne	0	0	0
	CUNY Baruch C.	0	0	0	0	0	0
	CUNY C. Staten Island	0	50	0	0	0	0
	CUNY John Jay C. of Criminal Justice	0	NA	0	0	0	0
	CUNY York C.	0	0	0	0	0	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Daemen C.	ne	ne	ne	0	0	0
	DE State U.	NA	23	0	0	0	0
	Denison U.	0	NA	0	0	0	0
	Des Moines U.	0 e	NA	0	0	0	0
	Dickinson C.	56	42	0	0	0	0
	Drake U.	277	27	116	0	0	0
	East TN State U.	0	NA	0	0	0	0
	Eastern IL U.	NA	NA	NA	0	0	0
	Eastern KY U.	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0
	Elizabeth City State U.	29	209	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0
	Fairfield U.	0	20	60	0	0	0
	Fayetteville State U.	0	0	0	0	0	0
	Fisk U.	0	0	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0
	FL Institute of Technology	0	0	NA	0	0	0
	Fordham U.	250	791	186	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0
	Fuller Theological Seminary CA	ne	179	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0
	Gettysburg C.	ne	0	0	0	0	0
	Goucher C.	ne	ne	ne	0	0	0
	Grambling State U.	0	102	5	0	0	0
	Grand Valley State U.	0	NA	NA	0	0	0
	Grinnell C.	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0
	Haverford C.	0	0	0	0	0	0
	Hendrix C.	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	ne	0	0	0	0	0
	Hofstra U.	NA	NA	0	0	0	0
	IL Wesleyan U.	ne	0	0	0	0	0
	Indiana U. PA all campuses	NA	0	0	0	0	0
	Jacksonville State U.	ne	NA	0	0	0	0
	James Madison U.	31	26	33	0	0	0
	John Carroll U.	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	28	9	0	0	0	0
	KY State U.	0	0	0	0	0	0
	Lafayette C.	175	16	37	0	0	0
	Lake Forest C.	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0
	Lawrence U.	ne	ne	0	0	0	0
	LeTourneau U.	ne	ne	ne	0	0	0
	Lewis and Clark C.	0	0	62	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0
	Loyola C.	0	0	NA	0	0	0
	Loyola U. New Orleans	ne	0	0	0	0	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Macalester C.	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	NA	NA	0	0	0
	Mayville State U.	ne	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0
	Mercy C.	ne	ne	0	0	0	0
	Mercyhurst C.	ne	ne	0	0	0	0
	Middle TN State U.	0	0	NA	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0
	Miles C.	ne	ne	ne	0	0	0
	Millsaps C.	ne	NA	0	0	0	0
	MT State U. Billings	ne	NA	0	0	0	0
	Morgan State U.	0	NA	NA	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
	Muhlenberg C.	ne	0	0	0	0	0
	National U. of Health Sciences	0	0	16	0	0	0
	Naval Postgraduate School	NA	3,998	6,293	0	0	0
	New England C. of Optometry	0	0	0	0	0	0
	New School, The	1,187	0	0	0	0	0
	NY Institute of Technology all campuses	143	0	0	0	0	0
	Norfolk State U.	29	3	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0
	Northeastern State U.	NA	0	0	0	0	0
	Northern MI U.	ne	ne	ne	0	0	0
	Northwestern Health Sciences U.	ne	ne	127	0	0	0
	Northwestern State U.	ne	ne	0	0	0	0
	Oberlin C.	0	0	0	0	0	0
	Oglala Lakota C.	ne	ne	ne	0	0	0
	OH Wesleyan U.	NA	46	0	0	0	0
	Pace U. all campuses	0	0	107	0	0	0
	Pacific Lutheran U.	ne	ne	ne	0	0	0
	Pacific U.	NA	0	0	0	0	0
	Philadelphia U.	ne	NA	0	0	0	0
	Pitzer C.	0	0	0	0	0	0
	Point Loma Nazarene C.	ne	98	82	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0
	Rhodes C.	ne	21	2	0	0	0
	Rider U.	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0
	Rose-Hulman Institute of Technology	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0
	Sarah Lawrence C.	ne	ne	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0
	Shaw U.	NA	0	0	0	0	0
	Simmons C.	103	0	0	0	0	0
	Sinte Gleska U.	ne	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	Southern Polytechnic State U.	ne	ne	ne	0	0	0
	Southern U. New Orleans	0	ne	0	0	0	0
	Southwestern OK State U.	ne	ne	ne	0	0	0
	St. Francis U. (Loretto, PA)	ne	98	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	164	148	0	0	0	0
	SUNY C. Geneseo	0	309	0	0	0	0
	SUNY C. of Optometry	0	NA	0	0	0	0
	SUNY C. Old Westbury	0	0	0	0	0	0
	SUNY Fredonia	0	0	NA	0	0	0
	Tarleton State U.	0	0	0	0	0	0
	TX A&M U.	18,562	23,418	23,093	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0
	TX A&M U. Corpus Christi	0	0	0	0	0	0
	Tougaloo C.	NA	NA	5	0	0	0
	Trinity C. (Hartford, CT)	29	0	0	0	0	0
	Troy U. main campus	ne	ne	0	0	0	0
	Truman State U.	NA	0	0	0	0	0
	Tuskegee U.	NA	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	10	0	0	0
	U.S. Air Force Academy	0	200	68	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0
	Universidad del Este	ne	ne	0	0	0	0
	Universidad del Turabo	ne	NA	0	0	0	0
	Universidad Metropolitana	ne	NA	0	0	0	0
	U. AK Anchorage all campuses	0	NA	NA	0	0	0
	U. AK Southeast all campuses	NA	NA	NA	0	0	0
	U. Central OK	0	0	0	0	0	0
	U. GU	452	NA	0	0	0	0
	U. Hartford	58	0	0	0	0	0
	U. Houston-Clear Lake	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0
	U. MD Eastern Shore	0	0	0	0	0	0
	U. New Haven	NA	0	ne	0	0	0
	U. NC Pembroke	ne	ne	0	0	0	0
	U. Portland	0	0	0	0	0	0
	U. San Francisco	154	89	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0
	U. TX of the Permian Basin	ne	ne	ne	0	0	0
	U. TX Tyler	ne	0	0	0	0	0
	U. WI Green Bay	0	0	0	0	0	0
	U. WI Oshkosh	0	0	0	0	0	0
	U. WI Parkside	0	36	0	0	0	0
	U. WI Platteville	ne	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0
	U. WI Stevens Point	12	0	0	0	0	0
	U. WI Stout	13	0	0	0	0	0

TABLE 44. Federally financed R&D expenditures passed through to subrecipients by universities and colleges, ranked by all FY 2007 R&D expenditures passed through: FY 2004–07 and by type of subrecipient for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures passed through ^a	Educational subrecipients	Other subrecipients
	U. WI Whitewater	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0
	U. of the South	ne	0	0	0	0	0
	U. of the VI	0	0	0	0	0	0
	Ursinus C.	ne	ne	0	0	0	0
	VA Military Institute	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0
	Washington and Lee U.	ne	0	0	0	0	0
	West Liberty State C.	ne	ne	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0
	Western CT State U.	ne	ne	ne	0	0	0
	Western IL U.	NA	0	0	0	0	0
	Western U. of Health Sciences	24	92	198	0	0	0
	Whitman C.	0	0	0	0	0	0
	Wilberforce U.	ne	ne	ne	0	0	0
	Wilkes U.	0	ne	0	0	0	0
	Willamette U.	0	0	0	0	0	0
	Williams C.	NA	0	NA	0	0	0
	All other surveyed institutions	28,448	21,485	18,972	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

^b The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in federally financed R&D expenditures passed through to subrecipients in FY 2007.

NOTES: Institutions that are not listed in this table did not respond in FY 2007 to item 1A, R&D expenditures passed through to subrecipients. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
	All institutions	3,007,204	3,280,692	3,601,369	3,689,403	1,691,579	1,726,731
1	MA Institute of Technology	82,264	94,397	99,245	102,469	45,271	57,198
2	Stanford U.	76,563	87,327	78,386	77,470	44,547	32,923
3	U. FL	24,766	62,717	62,198	75,125	26,294	48,831
4	U. CO all campuses	58,168	74,451	64,378	68,894	40,268	28,626
5	Carnegie Mellon U.	43,267	52,522	69,899	67,928	13,043	54,885
6	Johns Hopkins U., The ^b	56,126	62,231	70,599	67,739	NA	NA
7	OH State U. all campuses	55,668	56,235	53,654	67,533	30,733	36,800
8	U. TX Austin	41,506	56,182	55,379	67,353	46,477	20,876
9	Emory U.	37,912	58,236	70,181	65,503	17,744	47,759
10	U. MI all campuses	66,584	66,009	62,996	63,214	28,776	34,438
11	GA Institute of Technology all campuses	38,881	45,649	51,050	60,453	18,138	42,315
12	U. KY all campuses	20,556	24,416	49,979	59,044	10,864	48,180
13	U. PA	41,804	47,198	49,953	58,179	34,797	23,382
14	Harvard U.	48,282	51,627	57,193	57,086	20,155	36,931
15	Columbia U. in the City of NY	42,875	51,926	57,830	54,226	30,367	23,859
16	U. AZ	58,093	53,345	56,016	48,355	31,914	16,441
17	U. Pittsburgh all campuses	34,685	42,194	45,509	47,985	26,517	21,468
18	U. WI Madison	50,232	42,899	44,284	44,571	20,739	23,832
19	U. IL Urbana-Champaign	40,594	44,129	45,024	42,938	19,498	23,440
20	Purdue U. all campuses	30,396	34,401	40,065	42,320	16,788	25,532
21	U. Southern CA	40,595	38,975	41,986	42,268	22,509	19,759
22	Cornell U. all campuses	39,018	38,367	38,886	42,047	20,089	21,958
23	U. MN all campuses	30,841	34,956	39,093	41,714	24,825	16,889
24	TX A&M U.	26,321	26,802	29,717	41,214	15,917	25,297
25	U. NC Chapel Hill	27,325	29,304	33,959	41,060	26,369	14,691
26	Duke U.	31,283	49,087	36,357	39,601	23,563	16,038
27	Northwestern U.	35,739	37,541	39,166	38,249	NA	NA
28	Case Western Reserve U.	19,237	21,821	35,540	36,305	21,855	14,450
29	Washington U. St. Louis	27,311	28,602	45,089	33,527	22,637	10,890
30	Yale U.	27,189	29,307	33,479	31,516	19,249	12,267
31	Vanderbilt U.	26,224	25,757	31,105	30,962	19,054	11,908
32	CA Institute of Technology	33,169	31,520	30,588	30,559	18,269	12,290
33	U. AL Birmingham, The	35,953	37,022	35,782	30,483	22,322	8,161
34	NY U.	15,581	23,211	33,701	29,118	10,944	18,174
35	NC State U.	14,550	17,543	31,342	28,161	27,075	1,086
36	U. Chicago	25,396	24,549	25,981	26,396	14,387	12,009
37	U. MD College Park	27,130	26,077	27,032	25,344	8,309	17,035
38	AZ State U.	18,099	18,863	22,702	25,237	12,392	12,845
39	U. IL Chicago	20,252	20,987	25,581	25,216	14,291	10,925
40	U. TX Health Science Ctr. Houston	14,543	16,646	17,093	25,047	12,273	12,774
41	Boston U.	24,188	22,394	23,853	24,921	15,877	9,044
42	VA Polytechnic Institute and State U.	17,428	20,913	24,406	24,756	7,402	17,354
43	U. TX M. D. Anderson Cancer Ctr.	13,667	25,952	24,564	24,487	12,185	12,302
44	OR Health & Science U.	16,433	21,643	20,594	24,466	11,801	12,665
45	U. NE all campuses	20,385	25,231	23,305	24,419	10,383	14,036
46	PA State U. all campuses	24,207	25,350	25,460	24,287	24,287	0
47	U. OK all campuses	20,501	18,366	23,190	23,867	7,970	15,897
48	LA State U. all campuses	13,921	16,191	20,398	23,807	14,869	8,938

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
49	U. Rochester	22,266	22,121	23,146	23,500	NA	NA
50	U. SC all campuses	19,356	8,303	24,804	22,568	16,922	5,646
51	Tulane U.	19,008	18,299	16,178	22,555	14,695	7,860
52	U. UT	19,752	18,689	20,591	22,338	13,087	9,251
53	U. HI Manoa	19,986	19,585	22,729	22,131	6,237	15,894
54	U. NM main campus	18,021	27,103	24,459	21,469	11,099	10,370
55	CO State U.	20,970	22,561	20,742	21,392	NA	NA
56	FL State U.	21,809	24,483	20,494	21,257	5,466	15,791
57	Baylor C. of Medicine	15,545	19,552	19,708	21,156	14,400	6,756
58	Scripps Research Institute, The	NA	12,215	18,189	20,821	13,845	6,976
59	IN U. all campuses	16,548	17,553	20,102	20,681	14,403	6,278
60	Rutgers, The State U. NJ all campuses	24,965	20,339	17,694	20,183	12,052	8,131
61	NJ Institute of Technology	11,480	15,271	15,551	19,957	2,088	17,869
62	U. TX Southwestern Medical Ctr. Dallas	13,621	12,816	14,706	19,825	12,461	7,364
63	U. Dayton	8,392	10,930	20,772	19,675	3,588	16,087
64	MI State U.	18,919	20,286	22,044	19,451	10,045	9,406
65	MS State U.	13,774	12,961	15,007	19,259	9,899	9,360
66	OR State U.	15,414	15,637	17,051	19,008	7,903	11,105
67	Auburn U. all campuses	13,054	14,546	13,854	18,536	6,560	11,976
68	WV U.	14,606	13,746	14,461	17,701	5,933	11,768
69	U. TN all campuses	15,677	19,049	19,775	17,579	9,117	8,462
70	MT State U. Bozeman	14,595	16,419	16,969	17,489	NA	NA
71	Wichita State U.	1,504	1,889	8,369	17,223	2,101	15,122
72	U. Central FL	NA	20,524	13,586	17,006	1,277	15,729
73	Dartmouth C.	10,986	12,399	13,691	16,801	NA	NA
74	Princeton U.	11,596	12,603	16,194	15,670	9,621	6,049
75	U. KS all campuses	24,710	18,587	15,371	15,395	6,737	8,658
76	Mt. Sinai School of Medicine	15,440	13,915	17,380	15,366	8,415	6,951
77	U. CT all campuses	18,087	19,245	17,083	15,204	6,801	8,403
78	U. IA	15,893	15,961	14,814	15,136	0	15,136
79	Medical U. SC	11,205	14,331	17,928	15,031	8,496	6,535
80	C. of William and Mary all campuses	5,935	5,305	10,829	14,823	5,923	8,900
81	Georgetown U.	10,116	14,178	13,608	14,313	6,120	8,193
82	Wayne State U.	9,650	9,030	11,036	14,196	7,039	7,157
83	U. Cincinnati all campuses	12,668	13,550	13,172	14,173	14,173	0
84	Wake Forest U.	10,544	18,772	12,480	13,687	11,471	2,216
85	Clemson U.	14,365	13,712	14,876	13,680	NA	NA
86	U. NV, Las Vegas	NA	7,842	12,502	12,969	10,877	2,092
87	NM Institute of Mining and Technology	9,837	NA	11,697	12,941	0	12,941
88	U. NV, Reno	12,659	16,759	14,284	12,675	9,843	2,832
89	IA State U.	12,357	13,197	13,019	12,613	NA	NA
90	U. MO-Columbia	10,660	8,074	11,855	12,387	6,468	5,919
91	U. GA	7,439	9,786	11,369	11,875	NA	NA
92	U. Miami	8,290	8,683	10,394	11,747	6,955	4,792
93	U. ME	7,092	6,033	9,861	11,725	2,665	9,060
94	SUNY Stony Brook all campuses	31,074	14,481	16,125	11,635	4,645	6,990
95	U. MS all campuses	10,963	10,954	12,042	11,548	5,509	6,039
96	U. NH	13,898	11,053	11,096	11,301	NA	NA
97	Rensselaer Polytechnic Institute	9,818	10,774	9,711	11,214	5,863	5,351

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
98	Yeshiva U.	4,000	12,200	12,577	10,998	10,998	0
99	Woods Hole Oceanographic Institution	12,164	10,217	10,705	10,959	8,121	2,838
100	U. Southern MS	8,110	9,266	8,605	10,887	4,201	6,686
101	U. AR for Medical Sciences	3,870	9,849	10,592	10,859	2,463	8,396
102	Temple U.	8,677	9,612	9,876	10,850	7,314	3,536
103	VA Commonwealth U.	6,482	7,307	8,037	10,674	4,319	6,355
104	Brown U.	6,644	5,720	10,817	10,669	3,826	6,843
105	U. MA Worcester	12,933	11,481	10,965	10,588	4,216	6,372
106	George Washington U.	8,061	7,333	9,169	10,501	2,462	8,039
107	U. MA Amherst	7,401	7,683	10,575	10,485	4,901	5,584
108	Rice U.	10,683	10,442	10,302	10,476	7,886	2,590
109	U. Louisville	7,229	9,050	6,480	10,422	6,253	4,169
110	U. DE	9,729	10,206	10,755	10,230	5,377	4,853
111	KS State U.	12,556	12,869	10,657	9,686	5,072	4,614
112	WA State U.	9,781	8,659	9,962	9,643	6,089	3,554
113	Tufts U.	9,800	10,021	9,627	9,639	3,309	6,330
114	Medical C. WI	6,646	7,186	7,209	9,548	5,807	3,741
115	U. TX Medical Branch	5,482	10,232	10,015	9,510	5,708	3,802
116	U. TX Health Science Ctr. San Antonio	8,014	7,536	8,685	9,465	7,775	1,690
117	Thomas Jefferson U.	12,238	9,590	10,138	8,885	4,596	4,289
118	U. MD Biotechnology Institute	4,904	11,319	12,354	8,356	7,633	723
119	U. AL, The	5,433	5,518	5,891	8,320	2,464	5,856
120	OK State U. all campuses	12,189	8,361	9,893	8,300	NA	NA
121	U. ID	9,216	7,103	6,428	8,188	3,501	4,687
122	Rockefeller U.	5,428	5,026	6,592	8,124	4,479	3,645
123	U. VT	7,547	13,289	15,511	8,046	521	7,525
124	Wright State U. all campuses	6,398	3,354	5,270	7,939	2,971	4,968
125	Catholic U. America, The	11,517	7,715	6,277	7,928	625	7,303
126	MI Technological U.	4,958	4,172	3,622	7,830	NA	NA
127	ND State U. all campuses	4,007	6,785	7,369	7,727	2,361	5,366
128	Drexel U.	7,700	7,587	8,057	7,540	NA	NA
129	Portland State U.	5,408 e	7,493	7,825	7,486	3,192	4,294
130	Old Dominion U.	12,421	5,196	6,932	7,112	2,056	5,056
131	NM State U. main campus	14,091	14,545	11,534	6,963	5,022	1,941
132	Desert Research Institute	7,500	7,345	7,335	6,919	3,573	3,346
133	St. Louis U. all campuses	1,929 e	6,892	4,440	6,639	6,639	0
134	U. Memphis, The	5,673	6,046	8,648	6,554	1,480	5,074
135	Brandeis U.	3,929	4,640	4,954	6,472	3,767	2,705
136	TX Tech U.	3,954	4,284	4,569	6,416	3,107	3,309
137	Eastern VA Medical School	5,881	6,700	6,652	6,185	1,078	5,107
138	U. OR	4,040	4,975	6,198	6,143	1,988	4,155
139	U. WY	2,702 e	7,174	2,702	6,131	2,958	3,173
140	U. TX Dallas	3,906	4,414	6,292	6,062	2,566	3,496
141	Loyola U. Chicago	5,920	5,014	5,380	5,747	4,529	1,218
142	U. MA Lowell	3,389	2,863	5,304	5,646	0	5,646
143	U. of Notre Dame	6,190	5,532	4,116	5,644	3,202	2,442
144	U. ND all campuses	5,650	2,855	3,570	5,484	2,814	2,670
145	Northeastern U.	NA	3,931	4,050	5,444	2,936	2,508
146	Jackson State U.	2,577	1,937	12,310	5,406	2,777	2,629

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
147	TX A&M U. Kingsville	4,053	5,240	5,339	5,364	402	4,962
148	U. AR main campus	4,439	6,135	5,480	5,217	2,089	3,128
149	SUNY Albany	18,966	4,700	5,075	5,129	2,916	2,213
150	U. LA Lafayette	2,331	1,580	1,581	5,095	832	4,263
151	Ball State U.	2,149	2,027	3,585	5,077	597	4,480
152	San Diego State U.	3,822	5,431	4,791	5,062	4,029	1,033
153	CO School of Mines	3,432	3,380	4,191	4,650	NA	NA
154	Morehouse School of Medicine	1,563	2,630	1,959	4,638	4,638	0
155	George Mason U.	1,421	4,958	4,739	4,559	1,038	3,521
156	SUNY Upstate Medical U.	2,902	3,597	3,960	4,517	2,408	2,109
157	U. RI	2,761	3,032	3,956	4,476	1,626	2,850
158	Southern IL U. Carbondale	3,709	3,628	6,352	4,446	1,580	2,866
159	U. MT-Missoula, The	6,265	5,024	4,910	4,439	2,262	2,177
160	U. of Medicine and Dentistry NJ	3,447	4,328	9,486	4,407	3,349	1,058
161	Rush U.	8,446	7,804	5,576	4,223	3,033	1,190
162	SD State U.	3,715	3,853	3,941	4,182	1,426	2,756
163	U. Toledo	2,378	3,343	3,139	4,148	2,171	1,977
164	U. MD Ctr. for Environmental Science	3,963	4,102	4,015	4,072	1,873	2,199
165	NC Agricultural and Technical State U.	3,013	3,697	3,841	4,029	2,531	1,498
166	U. TX El Paso	4,639	4,228	3,868	4,024	2,885	1,139
167	GA State U.	5,527	4,880	3,999	4,006	1,456	2,550
168	Brigham Young U. all campuses	4,222	3,625	4,352	3,980	2,193	1,787
169	U. MO-Rolla	2,536	1,182	3,669	3,973	1,698	2,275
170	Western MI U.	1,620	2,406	2,592	3,935	1,230	2,705
171	Mercer U. all campuses	4,560	5,307	4,236	3,907	67	3,840
172	Syracuse U. all campuses	4,647	5,948	3,429	3,702	2,041	1,661
173	ID State U.	3,729	4,406	3,518	3,696	2,217	1,479
174	Medical C. GA	2,459	2,764	2,947	3,624	2,929	695
175	OH U. all campuses	4,682	5,048	4,321	3,602	737	2,865
176	U. MD Baltimore County	NA	3,824	3,540	3,541	3,541	0
177	Miami U. all campuses	1,815	2,154	2,651	3,519	1,895	1,624
178	CA State U. Dominguez Hills	427	1,101	850	3,515	3,056	459
179	U. PR Medical Sciences Campus	2,001	1,737	1,874	3,498	1,601	1,897
180	Creighton U.	4,648	4,840	3,704	3,475	3,410	65
181	Kent State U. all campuses	1,785	2,371	2,887	3,151	1,081	2,070
182	IL Institute of Technology	4,835	3,969	3,437	3,125	2,215	910
183	U. MA Dartmouth	3,310	1,221	2,540	2,975	1,914	1,061
184	Clarkson U.	3,196	NA	2,392	2,966	1,459	1,507
185	Howard U.	6,642	5,283	2,853	2,926	2,926	0
186	Boston C.	NA	3,136	3,461	2,910	NA	NA
187	Stevens Institute of Technology	576	827	806	2,898	306	2,592
188	Worcester Polytechnic Institute	2,924	3,188	3,372	2,857	788	2,069
189	Rochester Institute of Technology	1,200	1,547	2,302	2,799	682	2,117
190	FL International U.	6,989	1,100	2,548	2,782	1,789	993
191	Lehigh U.	1,574	2,818	2,907	2,713	1,408	1,305
192	SUNY Health Science Ctr. Brooklyn	NA	3,736	6,113	2,673	815	1,858
193	NY Medical C.	1,620	2,142	2,969	2,672	1,612	1,060
194	Rowan U.	2,342	2,596	3,279	2,667	861	1,806
195	FL Atlantic U.	2,235	3,257	3,595	2,612	988	1,624

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
196	U. WI Milwaukee	2,421	3,536	3,384	2,604	1,216	1,388
197	CA State Polytechnic U. San Luis Obispo	1,703	2,007	2,657	2,546	877	1,669
198	SUNY C. of Environmental Science and Forestry	NA	NA	NA	2,526	671	1,855
199	MT Tech of the U. MT	3,088	3,987	4,322	2,520	1,399	1,121
200	TX A&M U. System Health Science Ctr.	2,237	2,811	2,230	2,362	2,058	304
201	U. Akron all campuses	2,110	1,881	2,273	2,345	823	1,522
202	SD School of Mines and Technology	2,085	1,793	1,000	2,321	1,074	1,247
203	U. NC Wilmington	1,639	2,697	2,033	2,309	1,510	799
204	Villanova U.	NA	NA	NA	2,300	700	1,600
205	Stephen F. Austin State U.	26	130	2,471	2,267	0	2,267
206	CUNY The City C.	1,939	1,475	1,800	2,252	1,550	702
207	DE State U.	NA	1,727	1,772	2,234	1,755	479
208	Black Hills State U.	158	663	1,645	2,233	1,588	645
209	U. MA Boston	2,005	2,795	2,754	2,233	930	1,303
210	U. TX Arlington	2,198	2,424	3,114	2,186	1,036	1,150
211	Northern IL U.	680	925	2,267	2,170	1,281	889
212	Western KY U.	925	1,031	1,566	2,165	1,293	872
213	FL A&M U.	0	NA	NA	2,129	2,129	0
214	CA State U. Monterey Bay	135	596	477	2,097	324	1,773
215	Baylor U.	792	1,006	700	2,069	240	1,829
216	AL A&M U.	2,255	1,504	2,150	2,036	1,952	84
217	James Madison U.	1,596	2,245	2,119	2,033	1,603	430
218	San Jose State U.	1,984	2,007	2,000	2,000	NA	NA
219	Charles R. Drew U. of Medicine and Science	5,736	4,200	2,893	1,998	1,516	482
220	U. South FL	NA	NA	31,956	1,918	1,866	52
221	Southern Methodist U.	1,701	1,393	1,807	1,862	1,269	593
222	U. TX San Antonio	896	1,315	1,827	1,834	1,211	623
223	Clark Atlanta U.	3,157	2,976	2,343	1,833	471	1,362
224	Southern U. and A&M C. all campuses	622	NA	1,664	1,814	NA	NA
225	U. West FL	1,258	1,880	1,931	1,713	136	1,577
226	CA State U. San Bernardino	263	3,831	3,256	1,705	217	1,488
227	CA State U. Long Beach	672	954	1,086	1,693	1,541	152
228	U. South AL	1,747	2,017	2,899	1,679	861	818
229	FL Institute of Technology	872	410	336	1,663	535	1,128
230	U. GU	1,705	NA	2,281	1,645	0	1,645
231	U. Denver	1,521	1,396	1,278	1,610	635	975
232	SUNY Binghamton	0	0	NA	1,606	834	772
233	San Francisco State U.	3,173	1,595	1,376	1,592	1,456	136
234	TN Technological U.	1,080	910	570	1,575	328	1,247
235	TX Tech U. Health Science Ctr.	1,475	1,190	1,116	1,518	183	1,335
236	Dillard U.	94	NA	ne	1,453	1,453	0
237	U. NC Greensboro	1,911	483	1,125	1,450	763	687
238	Northern AZ U.	922	1,262	1,380	1,436	769	667
239	Teachers C. Columbia U.	1,660	1,568	1,403	1,410	NA	NA
240	CUNY Queens C.	2,976	2,550	2,540	1,379	275	1,104
241	U. AL Huntsville, The	4,976	4,721	3,900	1,376	1,101	275
242	Meharry Medical C.	2,307	2,390	2,068	1,368	1,368	0
243	TX A&M U. Corpus Christi	1,024	945	899	1,348	254	1,094
244	U. HI Hilo	384	472	1,526	1,334	1,119	215

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
245	Kettering U.	53	159	1,128	1,297	140	1,157
246	U. MO-Kansas City	1,506	1,795	1,731	1,247	653	594
247	U. SD	1,164	2,687	948	1,242	628	614
248	Bowling Green State U. all campuses	850	1,318	1,289	1,235	962	273
249	Ponce School of Medicine	1,004	202	1,373	1,230	0	1,230
250	Xavier U. LA	2,117	NA	868	1,214	990	224
251	C. Charleston	1,123	754	1,014	1,183	781	402
252	TX State U. San Marcos	4,422	2,233	7,034	1,168	677	491
253	Universidad Central del Caribe	1,434	550	703	1,164	789	375
254	Polytechnic U. PR	ne	ne	ne	1,127	1,127	0
255	U. VA all campuses	1,191	1,682	1,250	1,127	0	1,127
256	Marquette U.	881	853	976	1,099	854	245
257	U. DC	1,585	853	873	1,080	10	1,070
258	Humboldt State U.	NA	NA	1,299	1,073	235	838
259	U. NC Asheville	218	1,698	1,251	1,016	377	639
260	Eastern MI U.	950	606	737	990	71	919
261	Hampton U.	1,897	689	619	969	283	686
262	Prairie View A&M U.	376	1,124	907	966	769	197
263	Cleveland State U.	1,106	954	1,030	926	368	558
264	U. North TX Health Science Ctr. Ft. Worth	1,207	453	1,857	916	748	168
265	IL State U.	951	1,059	819	885	568	317
266	U. TX-Pan American	588	276	616	874	797	77
267	U. TX Tyler	ne	0	326	856	784	72
268	Smith C.	237	122	382	839	767	72
269	Naval Postgraduate School	NA	1,887	1,126	823	481	342
270	CA State U. Northridge	391	533	549	798	798	0
271	West TX A&M U.	0	0	0	797	84	713
272	CUNY Hunter C.	554	804	928	776	309	467
273	Marshall U.	6,281	6,362	850	742	578	164
274	Wellesley C.	1,499	779	413	736	247	489
275	Augustana C. (Sioux Falls, SD)	104	603	749	731	731	0
276	AR State U. main campus	NA	341	644	709	478	231
277	CA State U. Los Angeles	700	980	699	707	513	194
278	Murray State U.	828	1,114	665	707	592	115
279	U. North TX	689	280	814	695	377	318
280	East Carolina U.	1,146	933	870	689	358	331
281	Southwest MO State U.	324	408	331	689	104	585
282	Northern KY U.	255	624	720	684	607	77
283	Roger Williams U. Bristol	123	396	549	663	662	1
284	U. North FL	402	936	603	655	482	173
285	MT State U. Billings	ne	NA	587	638	638	0
286	Bowdoin C.	248	486	679	634	225	409
287	Polytechnic U.	1,025	1,075	581	625	525	100
288	U. Tulsa	755	649	535	622	199	423
289	Bates C.	211	508	745	609	609	0
290	LA Tech U.	216	360	455	605	68	537
291	Loma Linda U.	1,930	1,338	759	602	357	245
292	Gallaudet U.	706	775	541	600	562	38
293	Tougaloo C.	NA	NA	359	594	484	110

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
294	SUNY C. Geneseo	358	309	385	591	492	99
295	DePaul U.	493	774	910	572	455	117
296	Duquesne U.	577	560	605	570	564	6
297	Morehead State U.	377	928	480	564	0	564
298	Loyola C.	0	127	NA	562	0	562
299	U. New England	ne	ne	474	555	164	391
300	Morgan State U.	830	891	720	543	457	86
301	Millsaps C.	ne	NA	458	541	541	0
302	Southern IL U. Edwardsville	389	175	616	533	116	417
303	Mt. Holyoke C.	260	458	527	532	257	275
304	U. of the VI	2,804	0	0	526	0	526
305	Bryn Mawr C.	168	152	372	518	484	34
306	Sinte Gleska U.	ne	151	301	510	390	120
307	Furman U.	684	433	695	493	493	0
308	CA State U. East Bay	NA	489	271	485	485	0
309	NY Institute of Technology all campuses	0	300	798	485	29	456
310	Oakland U.	95	367	308	485	435	50
311	U. Northern CO	699	1,012	667	473	302	171
312	U. LA Monroe	720	654	317	470	470	0
313	Middlebury C.	NA	NA	ne	463	463	0
314	Claremont Graduate U.	299	189	253	460	460	0
315	U. MO-St. Louis	877	934	1,013	453	295	158
316	Saginaw Valley State U.	97	173	275	451	396	55
317	Milwaukee School of Engineering	506	226	108	444	331	113
318	U. AR Pine Bluff	1,512	1,176	937	424	323	101
319	U. WI Stevens Point	85	226	364	414	22	392
320	WV State U.	0	237	365	410	410	0
321	Providence C.	167	181	358	408	408	0
322	Grambling State U.	412	323	258	402	0	402
323	Tarleton State U.	657	118	0	399	282	117
324	Fordham U.	363	282	412	395	395	0
325	TX Southern U.	1,441	225	382	394	27	367
326	Colby C.	62	430	565	393	11	382
327	Central MI U.	292	303	366	391	236	155
328	Wesleyan U.	306	553	423	387	193	194
329	Central WA U.	92	356	343	386	298	88
330	U. WI Superior	0	0	7	383	0	383
331	Coastal Carolina U.	636	366	791	382	38	344
332	St. Francis U. (Loretto, PA)	ne	412	552	379	379	0
333	CA State U. Fullerton	236	561	285	374	216	158
334	Central CT State U.	148	158	264	374	0	374
335	Rosalind Franklin U. of Medicine and Science	0	539	484	366	366	0
336	Albany Medical C.	217	192	115	360	186	174
337	Fayetteville State U.	0	129	26	356	356	0
338	Arcadia U.	ne	NA	NA	354	354	0
339	Morehouse C.	NA	346	442	353	353	0
340	Swarthmore C.	456	416	444	340	114	226
341	CA State U. Fresno	482	280	245	335	178	157
342	Appalachian State U.	21	101	362	327	227	100

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
343	Philadelphia U.	ne	NA	317	327	0	327
344	CA State Polytechnic U. Pomona	819	2,001	778	315	160	155
345	Grand Valley State U.	251	170	259	314	0	314
346	West Liberty State C.	ne	ne	402	310	310	0
347	NM Highlands U.	222	272	335	301	301	0
348	Nova Southeastern U.	412	552	861	299	271	28
349	Sam Houston State U.	NA	53	NA	296	269	27
350	U. of St. Thomas (St. Paul, MN)	91	48	105	296	82	214
351	John Carroll U.	46	309	373	293	293	0
352	Nicholls State U.	274	390	201	291	112	179
353	CUNY Brooklyn C.	652	567	504	283	283	0
354	U. WI La Crosse	272	320	301	283	199	84
355	Hendrix C.	138	340	456	282	273	9
356	American U.	275	304	269	277	98	179
357	Eastern IL U.	NA	NA	NA	276	173	103
358	Savannah State U.	478	581	386	270	252	18
359	Ft. Valley State U.	282	285	266	269	269	0
360	Norfolk State U.	97	246	332	261	191	70
361	Carleton C.	0	0	246	251	213	38
362	Barnard C.	40 e	NA	95	250	250	0
363	Southern Polytechnic State U.	ne	ne	ne	246	238	8
364	Eastern KY U.	62	191	374	245	235	10
365	Northeastern State U.	NA	336	404	243	167	76
366	Pace U. all campuses	103	198	164	243	216	27
367	U. PR Rio Piedras Campus	300	268	185	239	239	0
368	Alfred U. all campuses	341	323	312	235	36	199
369	Towson U.	21	37	66	227	211	16
370	Mayville State U.	ne	185	243	224	224	0
371	IL Wesleyan U.	ne	218	226	220	0	220
372	U. Central OK	10	100	275	220	220	0
373	U. Baltimore	ne	213	120	215	54	161
374	Spelman C.	283	358	228	201	201	0
375	CUNY Graduate Ctr.	0	0	494	200	200	0
376	SUNY C. of Optometry	0	NA	0	200	200	0
377	U. Scranton	366	212	1	198	50	148
378	IN State U. all campuses	172	174	192	197	134	63
379	Lewis and Clark C.	0	45	0	193	193	0
380	CUNY C. Staten Island	237	288	281	192	192	0
381	Colgate U.	105	89	153	186	171	15
382	Northwestern State U.	ne	ne	167	179	179	0
383	New England C. of Optometry	149	152	208	178	135	43
384	Rhodes C.	ne	2	66	176	176	0
385	Lamar U.	879	248	455	171	171	0
386	MA C. of Pharmacy and Health Sciences	96	NA	NA	170	170	0
387	Valparaiso U.	100	49	153	169	134	35
388	Loyola Marymount U.	0	32	138	161	161	0
389	Southeastern OK State U.	0	198	290	161	161	0
390	TX Woman's U.	326	358	117	160	20	140
391	U. WI Oshkosh	46	115	125	160	54	106

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

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Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
392	U. Puget Sound	248	91	90	156	156	0
393	Jacksonville U.	ne	ne	0	153	19	134
394	Universidad Metropolitana	ne	NA	240	153	153	0
395	Lincoln U. (Lincoln University, PA)	181	181	202	148	11	137
396	U. PR Humacao	39	647	168	145	145	0
397	St. John's U. (Jamaica, NY)	NA	127	106	143	143	0
398	SUNY C. Plattsburgh	440	156	185	143	127	16
399	Pacific U.	NA	0	125	142	142	0
400	Western Carolina U.	89	577	482	137	52	85
401	Pittsburg State U.	134	391	73	136	136	0
402	Wheeling Jesuit U.	ne	NA	NA	136	42	94
403	KY State U.	157	177	188	131	131	0
404	Midwestern U. (Chicago, IL)	107	1,155	171	131	131	0
405	U. WI Green Bay	752	454	377	131	75	56
406	Bradley U.	188	72	61	130	130	0
407	Lawrence Technological U.	3	0	1	130	0	130
408	Trinity C. (Hartford, CT)	51	98	103	127	127	0
409	U. WI Eau Claire	178	121	80	124	82	42
410	U. of the Sciences Philadelphia	0	0	0	123	123	0
411	Ithaca C.	198	59	117	122	122	0
412	U. West GA	60	120	120	120	120	0
413	Albany State U.	NA	NA	393	118	0	118
414	U. Northern IA	168	159	79	118	47	71
415	CUNY John Jay C. of Criminal Justice	0	NA	0	116	0	116
416	Hofstra U.	NA	NA	62	112	102	10
417	Augsburg C.	71	68	23	109	109	0
418	U. Houston-Downtown	154	77	74	109	109	0
419	Cheyney U. PA	ne	ne	0	108	108	0
420	Bridgewater State C.	5	94	47	105	0	105
421	U. MD Eastern Shore	22	55	37	105	105	0
422	Vassar C.	NA	NA	77	104	50	54
423	TN State U.	49	40	43	102	102	0
424	AL State U.	500	100	100	100	100	0
425	Wilkes U.	128	ne	29	100	100	0
426	St. Joseph's U.	34	70	54	99	72	27
427	Christopher Newport U.	56	18	77	96	20	76
428	Monmouth U.	ne	94	54	95	64	31
429	Benedict C.	15	191	142	94	94	0
430	St. Olaf C.	0	0	0	93	93	0
431	U. New Haven	NA	50	ne	93	30	63
432	CUNY Herbert H. Lehman C.	1	73	115	91	0	91
433	Drake U.	189	65	0	91	91	0
434	U.S. Military Academy	ne	ne	ne	90	90	0
435	TX Christian U.	211	207	91	88	88	0
436	VA State U.	0	244	157	86	76	10
437	CT C.	NA	61	110	85	28	57
438	Northeastern OH Universities C. of Medicine	185	72	66	85	54	31
439	SUNY C. Buffalo	0	9	0	85	51	34
440	Millersville U. PA	ne	ne	ne	81	0	81

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
441	Wilberforce U.	ne	ne	ne	80	80	0
442	GA Southern U.	522	467	377	79	43	36
443	Simmons C.	161	52	40	78	78	0
444	Universidad del Turabo	ne	NA	291	77	77	0
445	Occidental C.	NA	143	71	75	48	27
446	Sonoma State U.	0	0	0	72	72	0
447	U. NC Pembroke	ne	ne	0	72	58	14
448	Amherst C.	123	236	114	71	71	0
449	Ft. Lewis C.	55	31	52	71	19	52
450	SUNY C. Cortland	NA	81	90	71	10	61
451	Oglala Lakota C.	ne	ne	ne	70	70	0
452	C. of the Holy Cross	58	31	95	69	69	0
453	Lawrence U.	ne	ne	25	68	68	0
454	U. PR Mayaguez Campus	60	80	70	65	65	0
455	CA State U. Bakersfield	NA	0	47	64	64	0
456	Harvey Mudd C.	NA	0	45	63	44	19
457	Dickinson C.	175	8	138	62	62	0
458	Hamilton C. (Clinton, NY)	14	147	15	62	53	9
459	Fisk U.	100	100	60	60	30	30
460	Rose-Hulman Institute of Technology	0	24	86	60	31	29
461	Wabash C.	17	0	13	60	60	0
462	Bowie State U.	141	208	124	56	56	0
463	Philadelphia C. of Osteopathic Medicine	0	0	38	56	56	0
464	NC Central U.	NA	NA	151	55	24	31
465	Pitzer C.	0	0	0	54	54	0
466	Western WA U.	305	225	153	52	52	0
467	Franklin & Marshall C.	21	60	68	51	49	2
468	U. San Francisco	101	152	132	51	38	13
469	LeTourneau U.	ne	ne	ne	49	0	49
470	U. Redlands	12	64	68	49	0	49
471	Fuller Theological Seminary CA	ne	91	42	45	45	0
472	Angelo State U.	ne	ne	NA	44	44	0
473	St. Mary's U. (San Antonio, TX)	184	194	0	44	44	0
474	SUNY C. Brockport	0	41	45	42	42	0
475	Hampshire C.	99	53	27	41	41	0
476	U. WI River Falls	36	38	50	41	28	13
477	U. WI Stout	0	0	6	41	41	0
478	Indiana U. PA all campuses	393	120	92	40	40	0
479	PA C. of Optometry	302	120	70	40	40	0
480	Truman State U.	NA	0	42	38	38	0
481	Alcorn State U.	0	25	10	37	37	0
482	Haverford C.	108	67	36	37	37	0
483	U. WI Platteville	ne	28	29	36	0	36
484	Evergreen State C.	97	0	23	35	35	0
485	Miles C.	ne	ne	ne	34	34	0
486	Northern MI U.	ne	ne	ne	33	0	33
487	Shaw U.	78	28	33	33	33	0
488	Pacific Lutheran U.	ne	ne	ne	32	32	0
489	Trinity U.	52	7	5	32	32	0

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
490	U. Richmond	131	101	125	32	32	0
491	Clark U.	230 e	213	75	30	5	25
492	Eastern OR U.	9	7	8	30	29	1
493	U.S. Coast Guard Academy	256	0	0	30	0	30
494	Pomona C.	43	119	68	29	29	0
495	Air Force Institute of Technology	12	64	17	26	26	0
496	Roanoke C.	118	74	87	26	26	0
497	Bluefield State C.	149	99	3	25	25	0
498	Kansas City U. of Medicine and Biosciences	0	20	25	25	25	0
499	Grinnell C.	0	162	0	21	21	0
500	U. WI Whitewater	45	51	27	21	0	21
501	Heritage U. (Toppenish, WA)	ne	28	24	20	20	0
502	Hobart and William Smith Colleges	ne	ne	ne	20	20	0
503	U. Portland	0	28	16	20	20	0
504	Juniata C.	161	42	52	19	19	0
505	Northwestern Health Sciences U.	ne	ne	13	19	5	14
506	Andrews U.	143	87	54	18	18	0
507	Hope C.	0	18	17	18	18	0
508	SUNY C. Oswego	42	0	0	17	0	17
509	Troy U. main campus	ne	ne	32	17	0	17
510	U. of the Pacific	224	18	53	17	0	17
511	Central State U.	NA	47	16	16	0	16
512	C. Wooster	NA	NA	NA	16	14	2
513	OH Wesleyan U.	NA	0	0	16	16	0
514	U. IL Springfield	72	8	10	16	0	16
515	West Chester U. PA	263	56	33	15	0	15
516	Chapman U.	0	13	0	14	14	0
517	U. TX of the Permian Basin	ne	ne	ne	14	14	0
518	Winona State U.	ne	ne	ne	14	8	6
519	Gustavus Adolphus C.	2	15	29	13	13	0
520	Oberlin C.	13	2	0	13	4	9
521	St. Mary's C. MD	0	0	5	12	12	0
522	CA State U. Sacramento	ne	ne	NA	10	10	0
523	Mercyhurst C.	ne	ne	62	10	10	0
524	Muhlenberg C.	ne	0	0	10	0	10
525	Point Loma Nazarene C.	ne	0	0	10	10	0
526	SC State U.	10	10	10	10	10	0
527	Southern OR U.	3	15	28	9	0	9
528	Kennesaw State U.	59	59	0	7	0	7
529	Lafayette C.	364	31	7	7	7	0
530	Sarah Lawrence C.	ne	ne	0	6	6	0
531	Allegheny C.	0	0	0	4	4	0
532	CUNY Baruch C.	1	0	26	4	4	0
533	Gettysburg C.	ne	5	5	4	4	0
534	Sul Ross State U.	0	0	0	4	0	4
535	Ursinus C.	ne	ne	3	4	4	0
536	Western CT State U.	ne	ne	ne	4	4	0
537	CUNY York C.	0	0	5	3	3	0
538	La Salle U.	0	ne	101	3	0	3

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
539	U. of the South	ne	16	27	3	2	1
540	Fairfield U.	199	186	89	2	2	0
541	Loyola U. New Orleans	ne	152	11	2	0	2
	A.T. Still U. of Health Sciences	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0
	Adelphi U.	ne	ne	ne	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0
	Bucknell U.	41	105	34	0	0	0
	Calvin C.	0	0	0	0	0	0
	Canisius C.	ne	NA	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	ne	ne	0	0	0	0
	Chicago State U.	NA	0	0	0	0	0
	C. NJ, The	NA	NA	0	0	0	0
	CO State U. Pueblo	0	0	29	0	0	0
	Cooper Union	0	0	ne	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0
	Daemen C.	ne	ne	ne	0	0	0
	Davidson C.	ne	NA	5	0	0	0
	Denison U.	0	NA	0	0	0	0
	Des Moines U.	15 e	NA	0	0	0	0
	Dowling C.	ne	ne	ne	0	0	0
	East TN State U.	0	NA	0	0	0	0
	Elizabeth City State U.	91	26	52	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0
	Goucher C.	ne	ne	ne	0	0	0
	Jacksonville State U.	ne	NA	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0
	Maharishi U. of Management	10 e	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0
	Mercy C.	ne	ne	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
	National U. of Health Sciences	31	51	0	0	0	0
	New School, The	0	0	74	0	0	0
	Northeastern IL U.	0	3	0	0	0	0
	OR Institute of Technology	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0
	Rider U.	69	7	11	0	0	0
	Seton Hall U.	0	313	97	0	0	0
	Skidmore C.	0	0	0	0	0	0
	Southern U. New Orleans	133	56	56	0	0	0
	Southwestern OK State U.	ne	ne	ne	0	0	0
	SUNY C. Old Westbury	0	5	0	0	0	0
	SUNY Fredonia	0	0	20	0	0	0
	Sweet Briar C.	ne	ne	ne	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0

TABLE 45. R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
	Tuskegee U.	NA	0	0	0	0	0
	Union C. (Schenectady, NY)	196	28	10	0	0	0
	U.S. Air Force Academy	0	0	0	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0
	Universidad del Este	ne	ne	0	0	0	0
	U. AK Anchorage all campuses	NA	NA	NA	0	0	0
	U. AK Southeast all campuses	NA	NA	0	0	0	0
	U. Hartford	46	0	0	0	0	0
	U. Houston-Clear Lake	18	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0
	U. WI Parkside	13	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0
	Washington and Lee U.	ne	0	0	0	0	0
	WV School of Osteopathic Medicine	133	96	0	0	0	0
	Western IL U.	NA	0	0	0	0	0
	Western U. of Health Sciences	248	482	188	0	0	0
	Whitman C.	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0
	Williams C.	NA	0	NA	0	0	0
	All other surveyed institutions	39,942	19,882	25,882	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

^b The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in total R&D expenditures received as a subrecipient in FY 2007.

NOTES: Institutions that are not listed in this table did not respond in FY 2007 to item 1B, R&D expenditures received as a subrecipient. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
	All institutions	2,673,690	2,913,451	3,257,656	3,344,645	1,558,589	1,530,191
1	MA Institute of Technology	75,231	82,918	91,013	94,545	40,209	54,336
2	U. FL	23,429	59,331	59,088	71,369	24,913	46,456
3	U. CO all campuses	58,168	74,451	64,378	68,894	40,268	28,626
4	Johns Hopkins U., The ^b	56,126	62,231	70,599	67,739	NA	NA
5	U. TX Austin	41,506	56,182	55,379	67,353	46,477	20,876
6	Stanford U.	65,427	77,352	70,815	66,226	37,049	29,177
7	Carnegie Mellon U.	42,108	51,131	68,140	65,907	11,726	54,181
8	GA Institute of Technology all campuses	38,881	45,649	51,050	60,453	18,138	42,315
9	U. KY all campuses	20,556	24,416	49,979	59,044	10,864	48,180
10	U. MI all campuses	58,256	57,862	57,843	57,066	26,656	30,410
11	Harvard U.	45,623	49,182	53,293	52,701	16,900	35,801
12	Columbia U. in the City of NY	40,380	42,517	54,938	49,630	27,793	21,837
13	U. AZ	58,093	53,345	56,016	48,355	31,914	16,441
14	U. Pittsburgh all campuses	34,267	42,179	45,328	46,616	25,164	21,452
15	U. PA	33,171	43,547	46,130	44,718	24,248	20,470
16	U. WI Madison	50,232	42,588	43,971	44,259	20,552	23,707
17	OH State U. all campuses	41,207	39,511	29,008	40,216	21,278	18,938
18	U. IL Urbana-Champaign	37,179	39,422	40,704	39,786	18,004	21,782
19	Cornell U. all campuses	37,253	36,591	36,234	38,941	16,983	21,958
20	U. MN all campuses	28,047	31,380	36,313	38,596	23,517	15,079
21	U. NC Chapel Hill	24,105	26,606	31,373	37,449	24,579	12,870
22	U. Southern CA	34,278	32,963	36,053	37,434	21,219	16,215
23	Case Western Reserve U.	18,745	19,348	27,384	34,407	19,957	14,450
24	Emory U.	30,862	35,731	34,774	32,596	15,345	17,251
25	Yale U.	27,189	29,307	33,479	31,516	19,249	12,267
26	Northwestern U.	28,936	30,536	32,174	31,094	NA	NA
27	Vanderbilt U.	26,224	25,754	31,105	30,886	19,054	11,832
28	CA Institute of Technology	33,169	31,520	30,588	30,559	18,269	12,290
29	U. AL Birmingham, The	35,953	37,022	35,782	30,483	22,322	8,161
30	Purdue U. all campuses	15,538	23,082	27,841	29,450	16,788	12,662
31	Washington U. St. Louis	26,807	27,672	31,211	29,231	20,026	9,205
32	NC State U.	14,550	17,543	31,342	28,161	27,075	1,086
33	TX A&M U.	24,160	25,431	27,600	27,751	14,842	12,909
34	U. TX Health Science Ctr. Houston	14,543	16,646	17,093	25,047	12,273	12,774
35	Boston U.	24,188	22,394	23,853	24,921	15,877	9,044
36	U. Chicago	24,388	23,408	25,539	24,770	12,946	11,824
37	AZ State U.	17,366	18,318	22,124	24,227	11,703	12,524
38	U. OK all campuses	20,501	18,366	23,190	23,867	7,970	15,897
39	U. IL Chicago	18,174	20,972	22,831	23,640	14,116	9,524
40	VA Polytechnic Institute and State U.	17,428	20,913	24,406	23,520	7,402	16,118
41	LA State U. all campuses	3,833	167	20,180	23,276	14,338	8,938
42	U. NE all campuses	19,740	24,688	22,077	23,098	10,036	13,062
43	NY U.	14,985	18,953	22,722	23,044	10,354	12,690
44	U. UT	19,069	18,043	20,379	22,155	12,923	9,232
45	U. SC all campuses	19,356	8,303	21,322	22,146	16,500	5,646
46	U. HI Manoa	19,986	19,585	22,729	21,913	6,175	15,738
47	U. TX M. D. Anderson Cancer Ctr.	13,667	25,952	24,564	21,893	11,872	10,021
48	PA State U. all campuses	19,393	19,221	22,184	21,734	21,734	0

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
49	U. NM main campus	18,021	27,103	24,459	21,469	11,099	10,370
50	CO State U.	20,970	22,561	20,701	21,392	NA	NA
51	FL State U.	21,809	24,483	20,494	21,257	5,466	15,791
52	OR Health & Science U.	15,201	19,474	18,303	21,215	11,115	10,100
53	Baylor C. of Medicine	15,545	19,552	19,708	21,156	14,400	6,756
54	Tulane U.	15,301	16,497	15,067	20,795	13,246	7,549
55	U. Rochester	19,362	19,236	22,010	20,396	NA	NA
56	Scripps Research Institute, The	NA	12,100	17,783	20,253	13,548	6,705
57	NJ Institute of Technology	11,136	14,582	15,328	19,641	1,995	17,646
58	U. TX Southwestern Medical Ctr. Dallas	12,264	12,792	14,401	19,455	12,461	6,994
59	MS State U.	13,757	12,861	14,913	19,255	9,895	9,360
60	Rutgers, The State U. NJ all campuses	23,750	19,680	16,991	19,183	11,494	7,689
61	MI State U.	17,691	19,358	20,762	18,870	10,012	8,858
62	IN U. all campuses	15,186	15,791	18,075	18,651	12,373	6,278
63	Auburn U. all campuses	13,054	14,546	13,854	18,536	6,560	11,976
64	WV U.	14,606	13,746	14,461	17,672	5,904	11,768
65	U. TN all campuses	0	0	19,775	17,521	9,117	8,404
66	Wichita State U.	1,253	1,849	8,304	17,022	2,036	14,986
67	U. Central FL	NA	0	13,586	17,006	1,277	15,729
68	Dartmouth C.	10,986	12,399	13,691	16,801	NA	NA
69	U. Dayton	8,250	10,206	17,481	16,536	492	16,044
70	OR State U.	14,307	14,778	15,298	16,488	7,298	9,190
71	Princeton U.	10,979	12,383	16,094	15,486	9,608	5,878
72	U. KS all campuses	24,699	18,587	15,075	15,236	6,594	8,642
73	MT State U. Bozeman	11,676	13,797	14,763	15,215	NA	NA
74	U. CT all campuses	18,087	19,245	17,083	15,204	6,801	8,403
75	C. of William and Mary all campuses	5,924	5,290	10,829	14,823	5,923	8,900
76	U. MD College Park	18,240	14,099	16,980	14,392	6,233	8,159
77	Mt. Sinai School of Medicine	15,440	13,166	15,839	14,333	8,029	6,304
78	Wayne State U.	9,650	9,030	11,036	14,196	7,039	7,157
79	U. IA	14,734	12,848	13,803	14,120	0	14,120
80	Medical U. SC	11,048	13,659	17,042	14,041	7,847	6,194
81	Wake Forest U.	10,544	18,772	12,480	13,687	11,471	2,216
82	Clemson U.	14,365	13,712	14,876	13,680	NA	NA
83	Georgetown U.	8,430	13,825	12,900	13,495	6,120	7,375
84	U. NV, Las Vegas	NA	4,928	8,395	12,936	10,876	2,060
85	NM Institute of Mining and Technology	9,837	NA	10,169	12,843	0	12,843
86	U. Cincinnati all campuses	12,169	12,523	12,832	12,624	12,624	0
87	IA State U.	12,357	13,197	13,019	12,613	NA	NA
88	U. MO-Columbia	10,660	8,074	11,855	12,387	6,468	5,919
89	U. GA	7,439	9,786	11,369	11,875	NA	NA
90	SUNY Stony Brook all campuses	16,142	12,946	16,125	11,635	4,645	6,990
91	U. NV, Reno	12,659	16,386	13,213	11,400	8,586	2,814
92	U. MS all campuses	10,468	9,784	7,598	11,328	5,325	6,003
93	U. NH	0	0	11,096	11,301	NA	NA
94	Rensselaer Polytechnic Institute	9,818	10,774	9,711	11,214	5,863	5,351
95	Yeshiva U.	4,000	12,200	12,418	10,998	10,998	0
96	Woods Hole Oceanographic Institution	12,164	10,217	10,705	10,959	8,121	2,838
97	U. Miami	7,445	8,176	9,395	10,951	6,380	4,571

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
98	U. ME	6,288	5,713	7,691	10,934	2,645	8,289
99	Brown U.	6,644	5,720	10,817	10,669	3,826	6,843
100	U. MA Worcester	12,933	11,481	10,965	10,543	4,216	6,327
101	Rice U.	10,683	10,442	10,302	10,457	7,886	2,571
102	U. DE	9,729	10,206	10,755	10,230	5,377	4,853
103	U. Louisville	6,487	7,759	5,976	9,830	5,898	3,932
104	U. AR for Medical Sciences	3,870	7,216	9,586	9,768	2,463	7,305
105	U. Southern MS	7,973	9,155	8,105	9,690	4,200	5,490
106	KS State U.	12,556	12,869	10,657	9,686	5,072	4,614
107	WA State U.	9,781	8,659	9,962	9,643	6,089	3,554
108	U. TX Medical Branch	5,482	9,800	10,015	9,510	5,708	3,802
109	U. TX Health Science Ctr. San Antonio	8,014	7,536	8,685	9,465	7,775	1,690
110	Medical C. WI	6,414	6,881	6,995	9,403	5,767	3,636
111	Temple U.	6,750	8,104	7,710	8,785	6,673	2,112
112	Tufts U.	8,335	9,020	8,655	8,743	3,033	5,710
113	U. MD Biotechnology Institute	4,904	11,319	12,354	8,356	7,633	723
114	U. AL, The	5,413	5,452	5,885	8,313	2,457	5,856
115	OK State U. all campuses	12,189	8,361	9,893	8,300	NA	NA
116	Rockefeller U.	3,828	5,026	6,592	8,124	4,479	3,645
117	U. ID	8,180	6,743	6,409	8,091	3,501	4,590
118	U. VT	7,547	11,960	11,782	8,046	521	7,525
119	Catholic U. America, The	11,517	7,715	6,277	7,928	625	7,303
120	MI Technological U.	4,958	4,172	3,622	7,830	NA	NA
121	Thomas Jefferson U.	10,896	9,205	8,735	7,759	4,515	3,244
122	ND State U. all campuses	4,007	6,785	7,369	7,727	2,361	5,366
123	Drexel U.	7,700	7,587	8,057	7,540	NA	NA
124	Portland State U.	5,404 e	7,484	7,811	7,108	3,192	3,916
125	Wright State U. all campuses	4,926	2,353	4,458	6,990	2,713	4,277
126	NM State U. main campus	14,091	14,545	6,020	6,949	5,008	1,941
127	Desert Research Institute	6,860	7,345	7,335	6,919	3,573	3,346
128	VA Commonwealth U.	5,644	5,271	5,557	6,900	4,309	2,591
129	St. Louis U. all campuses	1,919 e	6,892	4,292	6,639	6,639	0
130	U. Memphis, The	5,673	6,046	8,511	6,554	1,480	5,074
131	Old Dominion U.	12,421	5,196	6,025	6,467	1,411	5,056
132	Brandeis U.	3,528	3,612	4,364	6,251	3,673	2,578
133	Eastern VA Medical School	5,881	6,700	6,119	6,185	1,078	5,107
134	George Washington U.	7,427	6,560	6,432	6,177	2,068	4,109
135	U. WY	2,702 e	3,802	2,702	6,131	2,958	3,173
136	U. TX Dallas	3,906	4,414	6,292	6,062	2,566	3,496
137	TX Tech U.	2,908	3,844	4,239	5,991	2,682	3,309
138	U. MA Lowell	3,389	2,863	5,304	5,646	0	5,646
139	U. ND all campuses	5,650	2,855	3,570	5,484	2,814	2,670
140	Jackson State U.	2,577	1,937	12,037	5,406	2,777	2,629
141	U. OR	3,819	4,617	5,623	5,383	1,950	3,433
142	U. of Notre Dame	5,795	5,071	3,668	5,255	2,884	2,371
143	TX A&M U. Kingsville	3,789	4,971	4,625	5,067	402	4,665
144	U. AR main campus	4,346	5,981	5,275	5,017	2,089	2,928
145	U. LA Lafayette	2,164	1,401	1,369	4,963	700	4,263
146	SUNY Albany	6,027	4,700	5,014	4,896	2,757	2,139

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
147	Northeastern U.	NA	3,931	4,050	4,780	2,549	2,231
148	San Diego State U.	3,627	5,276	4,483	4,709	3,763	946
149	CO School of Mines	3,432	3,380	4,191	4,650	NA	NA
150	Morehouse School of Medicine	1,563	2,630	1,959	4,638	4,638	0
151	SUNY Upstate Medical U.	2,902	3,597	3,960	4,517	2,408	2,109
152	U. RI	2,687	2,697	2,754	4,476	1,626	2,850
153	Southern IL U. Carbondale	3,709	3,628	6,352	4,446	1,580	2,866
154	U. MT-Missoula, The	5,857	4,630	4,605	4,439	2,262	2,177
155	George Mason U.	1,214	4,958	4,581	4,417	1,028	3,389
156	U. of Medicine and Dentistry NJ	3,447	4,328	8,766	4,407	3,349	1,058
157	Ball State U.	1,848	1,819	2,893	4,275	341	3,934
158	Rush U.	8,446	7,804	5,576	4,223	3,033	1,190
159	SD State U.	3,715	3,798	3,822	4,182	1,426	2,756
160	U. Toledo	1,714	2,908	2,954	4,144	2,167	1,977
161	NC Agricultural and Technical State U.	2,998	3,696	3,841	4,029	2,531	1,498
162	U. TX El Paso	4,639	4,228	3,868	4,024	2,885	1,139
163	GA State U.	5,527	4,880	3,999	4,006	1,456	2,550
164	Brigham Young U. all campuses	4,222	3,625	4,352	3,980	2,193	1,787
165	U. MO-Rolla	2,536	1,182	3,583	3,973	1,698	2,275
166	Loyola U. Chicago	4,572	3,680	3,471	3,946	2,878	1,068
167	Western MI U.	1,620	2,406	2,592	3,935	1,230	2,705
168	ID State U.	3,729	4,406	3,518	3,696	2,217	1,479
169	Medical C. GA	2,459	2,656	2,947	3,624	2,929	695
170	U. MD Baltimore County	NA	0	0	3,541	3,541	0
171	U. PR Medical Sciences Campus	2,001	1,737	1,874	3,498	1,601	1,897
172	Creighton U.	4,648	4,826	3,699	3,417	3,352	65
173	CA State U. Dominguez Hills	427	742	850	3,391	2,932	459
174	Kent State U. all campuses	1,785	2,041	2,733	3,151	1,081	2,070
175	Syracuse U. all campuses	4,510	5,532	3,289	3,137	1,761	1,376
176	OH U. all campuses	3,638	4,315	3,771	3,051	534	2,517
177	U. MA Dartmouth	2,140	1,221	2,540	2,975	1,914	1,061
178	IL Institute of Technology	4,543	3,909	3,305	2,959	2,078	881
179	Miami U. all campuses	1,504	1,884	2,240	2,935	1,544	1,391
180	Stevens Institute of Technology	576	827	806	2,898	306	2,592
181	Worcester Polytechnic Institute	1,798	2,359	3,367	2,827	785	2,042
182	Rochester Institute of Technology	1,200	1,547	2,302	2,799	682	2,117
183	FL International U.	5,207	1,100	0	2,782	1,789	993
184	Boston C.	NA	3,136	2,922	2,769	NA	NA
185	Lehigh U.	1,574	2,818	2,903	2,713	1,408	1,305
186	SUNY Health Science Ctr. Brooklyn	NA	3,736	6,060	2,673	815	1,858
187	NY Medical C.	1,620	2,142	2,969	2,672	1,612	1,060
188	Howard U.	6,554	5,101	2,591	2,671	2,671	0
189	FL Atlantic U.	2,235	3,257	3,595	2,612	988	1,624
190	U. WI Milwaukee	2,421	3,357	3,298	2,566	1,216	1,350
191	SUNY C. of Environmental Science and Forestry	NA	NA	NA	2,526	671	1,855
192	Rowan U.	2,314	2,363	3,141	2,489	683	1,806
193	MT Tech of the U. MT	1,262	3,526	4,053	2,461	1,399	1,062
194	U. MA Amherst	3,952	2,760	10,575	2,349	1,958	391
195	U. Akron all campuses	2,110	1,881	2,273	2,345	823	1,522

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

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					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
196	U. NC Wilmington	1,639	1,729	1,952	2,309	1,510	799
197	Villanova U.	NA	NA	NA	2,300	700	1,600
198	CUNY The City C.	1,939	1,475	1,800	2,252	1,550	702
199	Black Hills State U.	158	663	1,600	2,233	1,588	645
200	Stephen F. Austin State U.	26	114	2,471	2,180	0	2,180
201	Western KY U.	925	1,031	1,566	2,154	1,282	872
202	FL A&M U.	0	NA	NA	2,129	2,129	0
203	SD School of Mines and Technology	2,085	1,793	1,000	2,064	817	1,247
204	TX A&M U. System Health Science Ctr.	2,237	2,811	1,858	2,053	2,053	0
205	James Madison U.	1,596	2,245	2,119	2,033	1,603	430
206	Charles R. Drew U. of Medicine and Science	5,736	4,000	2,893	1,998	1,516	482
207	U. TX Arlington	2,131	2,193	2,910	1,953	949	1,004
208	Clarkson U.	1,935	NA	1,968	1,921	1,083	838
209	Northern IL U.	584	925	694	1,877	1,130	747
210	Southern Methodist U.	1,300	1,240	1,801	1,859	1,266	593
211	U. TX San Antonio	896	1,315	1,827	1,834	1,211	623
212	Clark Atlanta U.	3,157	2,976	2,343	1,833	471	1,362
213	U. South FL	NA	NA	31,956	1,771	1,771	0
214	DE State U.	NA	1,727	1,746	1,755	1,755	0
215	U. West FL	1,258	1,880	1,931	1,713	136	1,577
216	CA State U. San Bernardino	0	3,712	3,220	1,705	217	1,488
217	U. South AL	1,747	2,017	2,899	1,679	861	818
218	FL Institute of Technology	720	410	336	1,663	535	1,128
219	CA State U. Long Beach	532	923	1,009	1,646	1,494	152
220	U. GU	1,705	NA	2,281	1,645	0	1,645
221	TN Technological U.	0	78	570	1,575	328	1,247
222	TX Tech U. Health Science Ctr.	1,215	1,096	1,116	1,488	183	1,305
223	U. NC Greensboro	1,911	483	1,125	1,450	763	687
224	Northern AZ U.	922	1,262	1,380	1,436	769	667
225	Teachers C. Columbia U.	1,660	1,568	1,403	1,410	NA	NA
226	Meharry Medical C.	2,307	2,390	2,068	1,368	1,368	0
227	U. AL Huntsville, The	4,878	4,629	3,823	1,349	1,079	270
228	U. HI Hilo	324	472	1,526	1,334	1,119	215
229	U. Denver	1,521	963	1,260	1,318	559	759
230	San Francisco State U.	3,173	1,067	1,149	1,317	1,317	0
231	Kettering U.	53	159	1,128	1,297	140	1,157
232	TX A&M U. Corpus Christi	247	801	895	1,266	254	1,012
233	U. MO-Kansas City	1,506	1,795	1,731	1,247	653	594
234	Southern U. and A&M C. all campuses	622	NA	1,421	1,245	NA	NA
235	U. SD	1,164	2,687	646	1,242	628	614
236	Xavier U. LA	2,117	NA	868	1,214	990	224
237	Baylor U.	412	592	309	1,205	44	1,161
238	C. Charleston	1,123	754	1,014	1,183	781	402
239	SUNY Binghamton	0	0	NA	1,177	405	772
240	U. MD Ctr. for Environmental Science	1,144	1,165	1,088	1,144	526	618
241	AL A&M U.	1,224	906	880	1,081	997	84
242	U. DC	1,548	853	871	983	7	976
243	Eastern MI U.	946	606	737	980	61	919
244	Hampton U.	1,897	689	619	969	283	686

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

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					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
245	Prairie View A&M U.	376	1,124	907	966	769	197
246	Marquette U.	881	853	963	961	716	245
247	Bowling Green State U. all campuses	850	1,156	1,154	944	714	230
248	U. North TX Health Science Ctr. Ft. Worth	1,207	453	1,288	905	737	168
249	U. TX-Pan American	189	276	616	874	797	77
250	U. MA Boston	1,701	2,795	2,754	872	872	0
251	TX State U. San Marcos	3,536	2,233	1,872	869	597	272
252	U. TX Tyler	ne	0	326	824	752	72
253	U. NC Asheville	39	1,018	760	814	230	584
254	CUNY Queens C.	2,976	2,550	2,540	805	257	548
255	CA State U. Northridge	219	533	549	798	798	0
256	Cleveland State U.	1,035	908	804	761	277	484
257	West TX A&M U.	0	0	0	753	79	674
258	Marshall U.	6,281	6,362	850	742	578	164
259	Augustana C. (Sioux Falls, SD)	104	550	749	731	731	0
260	Smith C.	234	122	328	715	704	11
261	U. North TX	530	7	814	695	377	318
262	East Carolina U.	1,146	933	870	689	358	331
263	Southwest MO State U.	324	408	331	689	104	585
264	CUNY Hunter C.	554	770	928	670	309	361
265	Roger Williams U. Bristol	123	396	549	663	662	1
266	U. North FL	402	936	603	655	482	173
267	CA State U. Los Angeles	690	890	681	638	444	194
268	MT State U. Billings	ne	NA	587	638	638	0
269	Bowdoin C.	201	467	675	634	225	409
270	U. Tulsa	755	649	535	622	199	423
271	Bates C.	211	508	745	609	609	0
272	Northern KY U.	249	556	663	607	607	0
273	LA Tech U.	216	360	455	605	68	537
274	AR State U. main campus	NA	0	644	604	438	166
275	Gallaudet U.	706	775	541	600	562	38
276	Loma Linda U.	1,930	1,338	747	600	357	243
277	SUNY C. Geneseo	358	309	385	591	492	99
278	Wellesley C.	1,343	592	352	587	207	380
279	Duquesne U.	577	560	568	570	564	6
280	IL State U.	826	790	584	566	432	134
281	Morehead State U.	377	928	480	564	0	564
282	Morgan State U.	830	891	720	543	457	86
283	Millsaps C.	ne	NA	458	541	541	0
284	Southern IL U. Edwardsville	141	175	616	533	116	417
285	DePaul U.	492	724	857	523	455	68
286	CA State U. Monterey Bay	135	589	474	516	324	192
287	Sinte Gleska U.	ne	151	301	510	390	120
288	Murray State U.	691	928	609	502	478	24
289	Mt. Holyoke C.	260	222	271	499	234	265
290	Furman U.	684	433	695	493	493	0
291	NY Institute of Technology all campuses	0	0	0	485	29	456
292	Oakland U.	95	300	308	485	435	50
293	U. Northern CO	614	817	650	473	302	171

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294	U. LA Monroe	720	273	0	470	470	0
295	CA State Polytechnic U. San Luis Obispo	1,670	1,994	2,657	468	263	205
296	Middlebury C.	NA	NA	ne	463	463	0
297	U. MO-St. Louis	877	934	1,013	453	295	158
298	Milwaukee School of Engineering	0	0	107	444	331	113
299	U. AR Pine Bluff	1,225	798	845	424	323	101
300	Ponce School of Medicine	1,004	202	400	422	0	422
301	U. WI Stevens Point	85	226	364	414	22	392
302	Bryn Mawr C.	157	152	372	412	412	0
303	WV State U.	0	227	365	410	410	0
304	Providence C.	167	181	358	408	408	0
305	U. New England	ne	ne	453	405	164	241
306	Grambling State U.	0	323	257	402	0	402
307	Tarleton State U.	296	78	0	399	282	117
308	Saginaw Valley State U.	10	13	57	396	396	0
309	Fordham U.	363	282	412	395	395	0
310	TX Southern U.	1,441	225	382	394	27	367
311	Central MI U.	239	303	344	391	236	155
312	Colby C.	62	430	565	390	8	382
313	Wesleyan U.	306	553	423	387	193	194
314	U. WI Superior	0	0	7	383	0	383
315	Coastal Carolina U.	636	366	791	382	38	344
316	St. Francis U. (Loretto, PA)	ne	412	552	379	379	0
317	CA State U. Fullerton	236	561	285	374	216	158
318	Central CT State U.	0	158	264	374	0	374
319	Albany Medical C.	217	192	115	360	186	174
320	Arcadia U.	ne	NA	NA	354	354	0
321	Rosalind Franklin U. of Medicine and Science	0	539	484	353	353	0
322	Morehouse C.	NA	346	442	350	350	0
323	Fayetteville State U.	0	129	0	347	347	0
324	Swarthmore C.	456	416	444	340	114	226
325	Philadelphia U.	ne	NA	317	327	0	327
326	Polytechnic U.	1,025	450	295	325	225	100
327	CA State Polytechnic U. Pomona	819	2,001	778	315	160	155
328	West Liberty State C.	ne	ne	402	310	310	0
329	CA State U. Fresno	482	280	245	305	148	157
330	Nova Southeastern U.	382	552	860	299	271	28
331	Central WA U.	92	356	343	298	298	0
332	Sam Houston State U.	NA	53	NA	296	269	27
333	John Carroll U.	46	309	373	293	293	0
334	Polytechnic U. PR	ne	ne	ne	285	285	0
335	CUNY Brooklyn C.	652	567	0	283	283	0
336	U. WI La Crosse	272	320	301	283	199	84
337	American U.	268	279	269	277	98	179
338	Eastern IL U.	NA	NA	NA	276	173	103
339	Hendrix C.	138	300	344	276	267	9
340	Humboldt State U.	NA	NA	0	272	0	272
341	Savannah State U.	478	581	0	270	252	18
342	Ft. Valley State U.	282	285	266	269	269	0

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343	Carleton C.	0	0	246	251	213	38
344	Northeastern State U.	NA	303	389	243	167	76
345	Pace U. all campuses	103	198	164	243	216	27
346	U. PR Rio Piedras Campus	300	268	185	239	239	0
347	Eastern KY U.	62	191	374	235	235	0
348	Southern Polytechnic State U.	ne	ne	ne	230	230	0
349	Barnard C.	0 e	NA	95	229	229	0
350	Mayville State U.	ne	185	243	224	224	0
351	U. Central OK	10	100	275	220	220	0
352	Towson U.	14	37	66	211	195	16
353	Alfred U. all campuses	278	248	191	206	36	170
354	Spelman C.	283	358	228	201	201	0
355	CUNY Graduate Ctr.	0	0	494	200	200	0
356	SUNY C. of Optometry	0	NA	0	200	200	0
357	IN State U. all campuses	172	174	192	197	134	63
358	Appalachian State U.	17	94	330	193	142	51
359	CUNY C. Staten Island	237	288	281	192	192	0
360	Colgate U.	105	89	153	186	171	15
361	Grand Valley State U.	122	147	167	176	0	176
362	Rhodes C.	ne	2	66	176	176	0
363	Lamar U.	879	248	232	171	171	0
364	MA C. of Pharmacy and Health Sciences	96	NA	NA	170	170	0
365	Valparaiso U.	100	37	153	169	134	35
366	Loyola Marymount U.	0	32	138	161	161	0
367	Southeastern OK State U.	0	198	290	161	161	0
368	U. WI Oshkosh	46	115	125	160	54	106
369	U. Puget Sound	248	91	90	156	156	0
370	Jacksonville U.	ne	ne	0	153	19	134
371	Universidad Metropolitana	ne	NA	240	153	153	0
372	Lincoln U. (Lincoln University, PA)	181	181	202	148	11	137
373	U. PR Humacao	39	647	168	145	145	0
374	St. John's U. (Jamaica, NY)	NA	127	106	143	143	0
375	SUNY C. Plattsburgh	336	127	158	143	127	16
376	Pacific U.	NA	0	125	142	142	0
377	Pittsburg State U.	134	391	73	136	136	0
378	Wheeling Jesuit U.	ne	NA	NA	136	42	94
379	Western Carolina U.	0	577	482	133	48	85
380	KY State U.	157	177	188	131	131	0
381	U. Scranton	366	212	1	131	0	131
382	U. WI Green Bay	752	454	377	131	75	56
383	Bradley U.	115	72	61	130	130	0
384	Lawrence Technological U.	3	0	1	130	0	130
385	Trinity C. (Hartford, CT)	51	98	103	127	127	0
386	CA State U. East Bay	NA	331	271	126	126	0
387	U. WI Eau Claire	178	121	80	124	82	42
388	Ithaca C.	198	59	117	122	122	0
389	U. West GA	60	120	120	120	120	0
390	Lewis and Clark C.	0	0	0	119	119	0
391	TX Woman's U.	326	358	114	119	20	99

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
392	U. Northern IA	168	159	79	118	47	71
393	Dillard U.	0	NA	ne	116	116	0
394	Hofstra U.	NA	NA	62	112	102	10
395	Augsburg C.	71	68	23	109	109	0
396	U. Houston-Downtown	154	77	74	109	109	0
397	Bridgewater State C.	5	94	47	105	0	105
398	Claremont Graduate U.	40	42	77	104	104	0
399	Vassar C.	NA	19	77	104	50	54
400	TN State U.	49	40	43	102	102	0
401	AL State U.	500	99	99	99	99	0
402	St. Joseph's U.	0	70	42	99	72	27
403	Christopher Newport U.	0	15	77	96	20	76
404	Monmouth U.	ne	94	54	95	64	31
405	Benedict C.	0	191	142	94	94	0
406	St. Olaf C.	0	0	0	93	93	0
407	U. New Haven	NA	0	ne	93	30	63
408	CUNY Herbert H. Lehman C.	0	73	115	91	0	91
409	Drake U.	189	65	0	91	91	0
410	TX Christian U.	202	202	91	88	88	0
411	CT C.	NA	61	110	85	28	57
412	SUNY C. Buffalo	0	0	0	85	51	34
413	Millersville U. PA	ne	ne	ne	81	0	81
414	Wilberforce U.	ne	ne	ne	80	80	0
415	Northeastern OH Universities C. of Medicine	164	56	64	79	54	25
416	GA Southern U.	511	462	345	78	43	35
417	Simmons C.	33	36	40	78	78	0
418	Universidad del Turabo	ne	NA	291	77	77	0
419	VA State U.	0	0	157	76	66	10
420	Sonoma State U.	0	0	0	72	72	0
421	U. NC Pembroke	ne	ne	0	72	58	14
422	Amherst C.	123	83	114	71	71	0
423	Ft. Lewis C.	55	13	52	71	19	52
424	SUNY C. Cortland	NA	81	90	71	10	61
425	Oglala Lakota C.	ne	ne	ne	70	70	0
426	Lawrence U.	ne	ne	25	68	68	0
427	U. PR Mayaguez Campus	60	80	70	65	65	0
428	CA State U. Bakersfield	NA	0	47	64	64	0
429	Harvey Mudd C.	NA	0	45	63	44	19
430	Dickinson C.	175	8	0	62	62	0
431	Hamilton C. (Clinton, NY)	14	147	15	62	53	9
432	Midwestern U. (Chicago, IL)	107	1,155	171	62	62	0
433	IL Wesleyan U.	ne	21	40	60	0	60
434	Wabash C.	0	0	13	60	60	0
435	Bowie State U.	141	208	124	56	56	0
436	NC Central U.	NA	NA	151	55	24	31
437	Pitzer C.	0	0	0	54	54	0
438	Western WA U.	0	225	153	52	52	0
439	Franklin & Marshall C.	21	60	68	51	49	2
440	LeTourneau U.	ne	ne	ne	49	0	49

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
441	U. Redlands	12	64	68	49	0	49
442	Fuller Theological Seminary CA	ne	91	42	45	45	0
443	Angelo State U.	ne	ne	NA	44	44	0
444	St. Mary's U. (San Antonio, TX)	184	194	0	44	44	0
445	C. of the Holy Cross	58	31	95	42	42	0
446	SUNY C. Brockport	0	41	45	42	42	0
447	Hampshire C.	0	53	27	41	41	0
448	U. WI River Falls	36	38	50	41	28	13
449	U. WI Stout	0	0	6	41	41	0
450	Indiana U. PA all campuses	393	104	92	40	40	0
451	PA C. of Optometry	302	120	70	40	40	0
452	Philadelphia C. of Osteopathic Medicine	0	0	38	40	40	0
453	U. San Francisco	40	80	118	40	38	2
454	U. of the Sciences Philadelphia	0	0	0	40	40	0
455	Truman State U.	NA	0	42	38	38	0
456	Alcorn State U.	0	25	10	37	37	0
457	Haverford C.	97	67	36	37	37	0
458	U. WI Platteville	ne	28	29	36	0	36
459	Evergreen State C.	97	0	23	35	35	0
460	Miles C.	ne	ne	ne	34	34	0
461	New England C. of Optometry	40	31	32	34	0	34
462	Rose-Hulman Institute of Technology	0	24	32	34	31	3
463	Northern MI U.	ne	ne	ne	33	0	33
464	Shaw U.	0	23	23	33	33	0
465	U. of St. Thomas (St. Paul, MN)	91	19	36	33	33	0
466	Pacific Lutheran U.	ne	ne	ne	32	32	0
467	Trinity U.	52	7	5	32	32	0
468	U. Richmond	131	92	125	32	32	0
469	Clark U.	230 e	213	75	30	5	25
470	Eastern OR U.	0	0	0	30	29	1
471	U.S. Coast Guard Academy	256	0	0	30	0	30
472	Pomona C.	43	119	68	29	29	0
473	Roanoke C.	118	74	87	26	26	0
474	Bluefield State C.	149	99	3	25	25	0
475	U. WI Whitewater	45	51	27	21	0	21
476	Heritage U. (Toppenish, WA)	ne	28	24	20	20	0
477	U. Portland	0	28	16	20	20	0
478	Hope C.	0	18	17	18	18	0
479	Hobart and William Smith Colleges	ne	ne	ne	17	17	0
480	SUNY C. Oswego	0	0	0	17	0	17
481	Troy U. main campus	ne	ne	28	17	0	17
482	U. of the Pacific	224	18	53	17	0	17
483	Central State U.	NA	47	16	16	0	16
484	C. Wooster	NA	NA	NA	16	14	2
485	OH Wesleyan U.	NA	0	0	16	16	0
486	U. IL Springfield	0	8	10	16	0	16
487	San Jose State U.	21	17	15	15	NA	NA
488	U. TX of the Permian Basin	ne	ne	ne	14	14	0
489	Winona State U.	ne	ne	ne	14	8	6

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
490	Gustavus Adolphus C.	2	15	29	13	13	0
491	Oberlin C.	13	2	0	13	4	9
492	CA State U. Sacramento	ne	ne	NA	10	10	0
493	Mercyhurst C.	ne	ne	62	10	10	0
494	Point Loma Nazarene C.	ne	0	0	10	10	0
495	SC State U.	10	10	10	10	10	0
496	Southern OR U.	3	0	19	9	0	9
497	St. Mary's C. MD	0	0	0	8	8	0
498	Sarah Lawrence C.	ne	ne	0	6	6	0
499	Juniata C.	161	42	52	5	5	0
500	Occidental C.	NA	63	56	5	0	5
501	Allegheny C.	0	0	0	4	4	0
502	Gettysburg C.	ne	0	0	4	4	0
503	Sul Ross State U.	0	0	0	4	0	4
504	Ursinus C.	ne	ne	3	4	4	0
505	Western CT State U.	ne	ne	ne	4	4	0
506	CUNY York C.	0	0	0	3	3	0
507	La Salle U.	0	ne	101	3	0	3
508	Nicholls State U.	0	47	15	3	3	0
509	Fairfield U.	199	17	89	2	2	0
510	Loyola U. New Orleans	ne	152	11	2	0	2
511	U. of the South	ne	5	11	2	2	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0
	Adelphi U.	ne	ne	ne	0	0	0
	Air Force Institute of Technology	12	64	17	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0
	Albany State U.	NA	NA	179	0	0	0
	Andrews U.	0	0	0	0	0	0
	Bucknell U.	41	82	1	0	0	0
	Calvin C.	0	0	0	0	0	0
	Canisius C.	ne	NA	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	ne	ne	0	0	0	0
	Chapman U.	0	13	0	0	0	0
	Cheyney U. PA	ne	ne	0	0	0	0
	Chicago State U.	NA	0	0	0	0	0
	C. NJ, The	NA	NA	0	0	0	0
	CO State U. Pueblo	0	0	22	0	0	0
	Cooper Union	0	0	ne	0	0	0
	CUNY Baruch C.	0	0	26	0	0	0
	CUNY John Jay C. of Criminal Justice	0	NA	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0
	Daemen C.	ne	ne	ne	0	0	0
	Davidson C.	ne	NA	5	0	0	0
	Denison U.	0	NA	0	0	0	0
	Des Moines U.	0 e	NA	0	0	0	0
	Dowling C.	ne	ne	ne	0	0	0
	Duke U.	0	0	0	0	0	0
	East TN State U.	0	NA	0	0	0	0

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
	Elizabeth City State U.	91	26	52	0	0	0
	Fisk U.	100	100	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0
	Goucher C.	ne	ne	ne	0	0	0
	Grinnell C.	0	162	0	0	0	0
	Jacksonville State U.	ne	NA	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	20	25	0	0	0
	Kennesaw State U.	19	59	0	0	0	0
	Lafayette C.	364	31	7	0	0	0
	Lake Forest C.	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0
	Loyola C.	0	127	NA	0	0	0
	Macalester C.	0	0	0	0	0	0
	Maharishi U. of Management	0 e	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0
	Mercer U. all campuses	0	0	0	0	0	0
	Mercy C.	ne	ne	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
	Muhlenberg C.	ne	0	0	0	0	0
	National U. of Health Sciences	31	48	0	0	0	0
	Naval Postgraduate School	NA	1,887	1,126	0	0	0
	NM Highlands U.	222	0	0	0	0	0
	New School, The	0	0	74	0	0	0
	Norfolk State U.	0	0	0	0	0	0
	Northeastern IL U.	0	3	0	0	0	0
	Northwestern Health Sciences U.	ne	ne	13	0	0	0
	Northwestern State U.	ne	ne	0	0	0	0
	OR Institute of Technology	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0
	Rider U.	31	5	11	0	0	0
	Seton Hall U.	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0
	Southern U. New Orleans	133	56	56	0	0	0
	Southwestern OK State U.	ne	ne	ne	0	0	0
	SUNY C. Old Westbury	0	5	0	0	0	0
	SUNY Fredonia	0	0	20	0	0	0
	Sweet Briar C.	ne	ne	ne	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0
	Tougaloo C.	NA	NA	359	0	0	0
	Tuskegee U.	NA	0	0	0	0	0
	Union C. (Schenectady, NY)	196	28	10	0	0	0
	U.S. Air Force Academy	0	0	0	0	0	0
	U.S. Military Academy	ne	ne	ne	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0
	Universidad Central del Caribe	596	379	8	0	0	0
	Universidad del Este	ne	ne	0	0	0	0
	U. AK Anchorage all campuses	NA	NA	NA	0	0	0

TABLE 46. Federally financed R&D expenditures received as a subrecipient by universities and colleges, ranked by all FY 2007 R&D expenditures received: FY 2004–07 and by type of pass-through entity for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007		
					All R&D expenditures received ^a	Educational pass-through entities	Other pass-through entities
	U. AK Southeast all campuses	NA	NA	0	0	0	0
	U. Baltimore	ne	0	0	0	0	0
	U. Hartford	46	0	0	0	0	0
	U. Houston-Clear Lake	18	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0
	U. MD Eastern Shore	22	55	37	0	0	0
	U. VA all campuses	0	0	0	0	0	0
	U. WI Parkside	13	0	0	0	0	0
	U. of the VI	2,804	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0
	Washington and Lee U.	ne	0	0	0	0	0
	West Chester U. PA	263	56	33	0	0	0
	WV School of Osteopathic Medicine	0	96	0	0	0	0
	Western IL U.	NA	0	0	0	0	0
	Western U. of Health Sciences	248	482	188	0	0	0
	Whitman C.	0	0	0	0	0	0
	Wilkes U.	0	ne	0	0	0	0
	Willamette U.	0	0	0	0	0	0
	Williams C.	NA	0	NA	0	0	0
	All other surveyed institutions	10,170	13,995	20,462	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

^b The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in federally financed R&D expenditures received as a subrecipient in FY 2007.

NOTES: Institutions that are not listed in this table did not respond in FY 2007 to item 1B, R&D expenditures received as a subrecipient. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	1,404,139	1,405,693	1,437,863	1,416,852	1,025,138	1,022,274	1,017,103	1,013,649
1	Carnegie Mellon U.	100,324	106,527	117,865	99,279	90,589	97,313	109,615	89,678
2	U. Southern CA	85,367	88,861	93,573	78,502	80,199	82,915	86,580	72,227
3	Johns Hopkins U., The ^a	73,123	69,653	70,268	76,125	72,265	68,146	69,254	75,277
4	U. IL Urbana-Champaign	113,320	104,792	81,675	73,848	75,934	78,081	55,422	50,005
5	U. CA, San Diego	85,259	65,271	64,466	55,791	65,816	44,146	43,245	36,886
6	GA Institute of Technology all campuses	54,756	54,788	47,560	52,455	39,462	39,080	30,541	32,105
7	MA Institute of Technology	44,543	44,693	49,500	45,762	28,050	30,628	33,158	30,102
8	PA State U. all campuses	31,575	28,576	32,371	41,862	25,968	21,739	24,196	31,582
9	U. TX Austin	29,259	39,405	41,897	37,688	25,778	31,461	33,842	34,545
10	U. HI Manoa	18,143	18,922	21,252	34,176	18,110	18,767	21,057	33,735
11	U. MD College Park	27,990	29,641	37,605	33,720	16,293	17,715	21,554	19,385
12	OH State U. all campuses	23,397	35,998	33,693	29,255	6,523	12,778	14,854	12,349
13	Cornell U. all campuses	27,124	27,601	28,081	23,304	15,722	16,403	16,418	14,468
14	U. Chicago	8,478	10,879	18,144	22,037	8,403	10,841	17,490	21,334
15	OR Health & Science U.	17,805	18,630	16,702	20,850	16,007	16,063	13,687	17,324
16	Stanford U.	18,579	19,610	21,922	19,959	16,413	17,397	18,647	17,432
17	U. MA Amherst	16,312	18,160	17,404	17,660	10,495	9,841	8,523	9,084
18	U. UT	17,098	16,457	15,020	16,273	10,704	9,973	11,171	9,948
19	U. CA, Los Angeles	16,433	15,734	15,992	16,005	12,717	11,740	12,510	11,858
20	U. MN all campuses	13,655	13,987	16,060	15,951	10,269	9,501	10,190	9,704
21	U. WI Madison	13,457	14,454	14,624	14,827	10,607	11,791	11,600	10,830
22	U. IL Chicago	9,144	12,999	12,594	13,067	5,875	6,344	4,786	4,503
23	U. CA, Santa Barbara	11,893	10,537	10,671	11,821	8,887	8,664	8,345	8,470
24	U. NC Chapel Hill	8,555	11,214	11,764	11,422	5,927	8,378	9,454	8,944
25	IN U. all campuses	12,596	8,370	12,397	10,921	6,955	4,749	6,545	4,799
26	U. CA, Irvine	12,234	11,506	11,699	10,787	6,495	6,728	6,505	6,630
27	U. AL Huntsville, The	8,420	8,079	8,615	10,742	7,249	6,840	7,335	7,790
28	VA Polytechnic Institute and State U.	14,858	9,005	10,032	10,662	2,601	3,003	3,691	3,610
29	Purdue U. all campuses	16,642	9,523	8,232	10,597	6,536	5,449	4,732	6,233
30	CA Institute of Technology	12,177	12,199	9,136	10,492	12,177	12,157	8,904	9,552
31	AZ State U.	5,228	5,877	10,409	10,076	2,970	3,149	3,782	4,350
32	Brown U.	7,038	7,568	8,839	9,841	4,636	4,683	5,313	5,622
33	Princeton U.	8,226	9,199	9,779	9,771	4,706	5,629	6,644	6,404
34	U. LA Lafayette	5,091	7,967	6,037	9,496	543	402	552	1,006
35	Columbia U. in the City of NY	9,443	9,613	9,174	9,331	8,879	8,476	8,085	8,114
36	FL State U.	8,087	11,675	8,565	9,206	4,838	4,892	4,523	5,156
37	MS State U.	10,168	7,313	8,824	8,664	4,377	4,000	5,688	5,789
38	U. TN all campuses	12,736	9,386	9,256	8,662	6,930	4,911	6,564	6,098
39	SUNY Buffalo all campuses	8,933	9,214	9,657	8,522	5,104	4,881	5,128	3,726
40	U. NE all campuses	6,300	7,726	7,460	8,512	3,801	4,784	4,357	5,040
41	U. CO all campuses	7,289	7,295	7,641	8,497	6,475	6,485	6,612	6,775
42	Drexel U.	1,396	2,027	6,763	8,034	1,056	1,684	5,040	6,190
43	U. AL, The	2,743	4,018	6,467	7,682	1,024	1,910	3,685	6,130
44	Naval Postgraduate School	12,667 i	5,170	3,573	7,600	11,717 i	4,913	3,543	7,482
45	Syracuse U. all campuses	6,037	8,247	3,439	7,587	3,723	4,559	2,798	3,878
46	TX A&M U.	7,204	8,070	6,574	7,560	3,658	3,924	3,840	4,025
47	Rice U.	9,202	8,490	9,732	7,383	8,126	7,928	8,690	6,461

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
48	Rutgers, The State U. NJ all campuses	8,378	7,600	8,814	7,329	2,946	3,412	4,732	3,721
49	U. PA	8,120	8,203	7,166	7,202	6,096	5,739	5,227	5,602
50	U. TX Dallas	3,023	8,340	6,631	7,020	1,761	3,478	2,613	2,753
51	Washington U. St. Louis	5,432	7,154	7,262	6,993	3,897	3,491	3,600	3,683
52	Wright State U. all campuses	5,096	4,524	6,499	6,990	2,339	1,592	1,480	1,237
53	U. MI all campuses	9,840	5,888	7,190	6,946	4,041	4,231	4,707	4,828
54	George Mason U.	4,418	5,977	5,791	6,829	4,161	5,874	4,484	6,061
55	U. CA, Davis	3,575	4,921	7,795	6,743	2,264	3,662	4,135	4,218
56	U. VA all campuses	7,236	6,940	6,151	6,466	6,472	6,180	5,643	5,896
57	SUNY Stony Brook all campuses	6,101	4,695	8,366	6,423	3,852	3,242	3,103	3,704
58	U. AK Fairbanks all campuses	12,616	10,245	6,216	6,176 i	10,354	8,674	4,432	4,488 i
59	U. Houston	4,453	5,893	5,441	6,066	2,444	2,761	2,695	3,942
60	NJ Institute of Technology	3,924	3,757	4,944	6,045	1,041	940	1,782	2,053
61	Rockefeller U.	4,270	4,459	4,968	5,942	40	0	0	0
62	FL International U.	3,750	4,525	4,201	5,788	2,828	3,030	3,132	4,155
63	U. NC Charlotte	3,316	4,051	4,154	5,753	3,027	2,106	1,868	2,380
64	New School, The	1,269	2,994	5,026	5,692	460	2,536	4,547	5,690
65	NY U.	7,993	6,461	5,175	5,483	6,342	5,664	4,156	4,090
66	Dartmouth C.	4,195	3,862	4,821	5,243	2,727	2,480	3,071	3,718
67	IA State U.	5,721	5,818	7,508	5,115	2,010	2,350	3,223	3,131
68	NC State U.	4,412	4,428	4,907	5,072	3,234	3,543	3,888	3,445
69	U. Pittsburgh all campuses	3,237	4,013	4,688	4,608	2,828	3,084	3,743	3,883
70	Jackson State U.	3,180	3,698	2,939	4,409	2,895	3,140	2,364	3,703
71	U. FL	3,250	4,498	5,479	4,108	2,818	2,985	3,655	2,876
72	Duke U.	4,696	3,678	3,927	3,786	4,276	3,380	3,122	2,861
73	Clemson U.	2,078	2,260	10,226	3,730	703	710	540	545
74	U. AZ	5,585	7,904	5,971	3,687	4,516	5,640	3,545	2,384
75	U. MD Baltimore County	5,080	588	1,345	3,684	3,147	489	1,015	2,848
76	Yale U.	5,307	4,766	4,940	3,621	4,193	3,857	4,059	3,145
77	Rensselaer Polytechnic Institute	1,938	2,314	3,079	3,606	1,246	1,929	2,490	2,996
78	U. Memphis, The	1,769	1,566	2,977	3,561	0	0	759	953
79	LA State U. all campuses	3,163	2,939	2,895	3,548	557	976	1,144	1,419
80	U. NM main campus	3,404	3,889	3,798	3,525	3,189	3,496	3,484	3,265
81	MI State U.	4,292	4,062	3,921	3,477	2,307	2,022	2,151	1,716
82	U. TX San Antonio	2,091	3,299	3,189	3,466	1,955	3,171	2,985	3,185
83	Villanova U.	305 i	345 i	385 i	3,457	218 i	250 i	280 i	3,438
84	OR State U.	2,309	2,687	3,664	3,128	1,851	2,386	3,387	2,794
85	U. CA, Santa Cruz	2,296	1,890	2,285	3,054	1,589	1,376	1,494	1,252
86	U. GA	2,957	3,045	3,406	3,029	635	684	763	779
87	U. Tulsa	3,694	3,439	3,369	2,956	3,525	3,270	2,997	2,825
88	U. KY all campuses	4,153	3,801	3,354	2,942	2,573	2,102	1,688	1,397
89	U. OR	3,719	2,730	3,341	2,829	3,592	2,576	3,105	2,576
90	U. ME	1,553	1,977	1,677	2,753	518	256	166	101
91	U. CA, Riverside	2,982	2,778	2,532	2,681	2,401	1,641	1,340	1,621
92	SUNY Binghamton	940	1,046	1,320	2,662	316	383	482	1,201
93	U. CT all campuses	2,939	3,326	3,662	2,592	2,057	2,427	1,616	1,645
94	Northeastern U.	2,053	2,456	2,089	2,551	1,428	1,546	1,196	1,639
95	U. of Notre Dame	2,307	2,797	3,346	2,466	2,170	2,700	3,172	2,368
96	Polytechnic U.	1,951	2,525	2,409	2,410	1,078	1,900	1,150	1,892
97	Portland State U.	1,544 e	2,587	3,519	2,407	1,132 e	2,011	2,790	1,930

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
98	U. Rochester	3,560	3,152	2,714	2,405	3,266	2,911	2,259	1,947
99	U. DE	2,034	1,792	1,790	2,360	1,699	1,510	1,564	1,862
100	U. CA Office of the President	2,164	2,174	2,243	2,294	0	0	0	0
101	Wayne State U.	2,283	1,578	1,447	2,259	1,181	730	781	1,175
102	Old Dominion U.	1,193	2,517	2,306	2,241	796	573	976	1,025
103	NM State U. main campus	2,645	2,718	1,994	2,071	2,628	2,366	1,468	1,449
104	U. SC all campuses	1,790	1,344	1,964	2,025	1,094	1,011	1,466	1,505
105	Air Force Institute of Technology	1,249	1,408	3,074	1,988	676	543	661	797
106	U. TX El Paso	960	1,361	1,837	1,962	655	856	1,553	1,854
107	U. MA Boston	44	305	502	1,952	4	174	316	1,193
108	SUNY Albany	3,896	3,529	2,964	1,943	2,158	2,064	1,630	1,553
109	Bowie State U.	1,507	1,835	1,827	1,904	1,507	1,835	1,827	1,904
110	IL Institute of Technology	1,009	1,704	1,904	1,798	888	1,359	1,567	1,674
111	U. WA	980	1,986	1,328	1,766	930	1,901	1,135	1,417
112	KS State U.	3,022	3,214	1,783	1,754	2,693	2,497	1,323	1,023
113	U. TX Arlington	0	0	0	1,675	0	0	0	1,039
114	U. NV, Las Vegas	1,911 i	158	693	1,653	1,461 i	143	634	1,553
115	Boston U.	2,656	2,301	1,738	1,643	2,573	2,287	1,692	1,610
116	FL Atlantic U.	602	1,534	1,832	1,590	162	502	1,005	646
117	CO State U.	1,565	1,895	1,856	1,528	1,368	1,329	1,407	1,307
118	George Washington U.	2,788	3,711	1,174	1,492	2,528	3,014	1,055	1,324
119	UT State U.	875	682	804	1,483	524	502	405	473
120	U. West FL	3,974	6,388	1,514	1,480	3,777	6,295	1,505	1,398
121	Lehigh U.	992	1,030	1,320	1,462	791	653	1,089	1,151
122	U. MO-Columbia	1,608	1,850	1,756	1,439	1,277	1,471	1,507	1,270
123	Monmouth U.	442 i	665	1,359	1,402	442 i	665	1,359	1,402
124	U. OK all campuses	1,910	2,457	2,579	1,354	533	670	821	728
125	Northwestern U.	3,505	3,907	1,560	1,333	2,560	3,030	935	731
126	LA Tech U.	828	1,197	1,204	1,332	93	197	456	490
127	James Madison U.	2,535	2,510	1,345	1,322	1,340	1,892	1,345	1,322
128	Brandeis U.	1,401	1,549	1,487	1,309	1,109	1,237	1,261	1,162
129	Worcester Polytechnic Institute	829	1,022	993	1,297	704	927	806	1,043
130	Wilberforce U.	0 i	0 i	0 i	1,280	0 i	0 i	0 i	1,280
131	Stevens Institute of Technology	4,217	5,194	2,817	1,265	3,584	4,925	2,780	1,208
132	MI Technological U.	1,179	1,708	1,373	1,262	775	1,078	411	180
133	U.S. Military Academy	0 i	0 i	0 i	1,245	0 i	0 i	0 i	1,052
134	U. MA Lowell	361	524	600	1,177	312	299	434	746
135	CUNY Brooklyn C.	971	857	1,081	1,153	731	657	811	954
136	Norfolk State U.	1,099	1,198	603	1,116	1,099	989	588	1,091
137	Temple U.	534	607	656	1,069	337	448	589	910
138	U. AR Little Rock	612	205	1,011 i	1,054 i	288	0	0 i	0 i
139	U. ID	1,465	1,409	1,105	1,053	1,238	1,187	906	779
140	U. Louisville	380	454	776	1,043	239	233	474	889
141	OH U. all campuses	328	287	170	1,013	134	108	0	623
142	Clark Atlanta U.	501	608	1,214	999	501	589	1,214	999
143	U. NV, Reno	748	1,354	994	998	527	1,070	704	672
144	Harvard U.	1,037	395	771	989	1,016	393	771	989
145	DePaul U.	393	540	900	973	339	438	761	779
146	Ball State U.	1,194	831	680	970	244	561	302	722
147	GA State U.	1,517	2,226	1,935	960	836	653	338	166
148	U. CA, Berkeley	2,448	1,694	1,254	916	1,724	1,083	910	580

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
149	Rose-Hulman Institute of Technology	1,876	1,405	1,073	906	0	28	54	0
150	TX Tech U.	705	543	1,104	882	662	315	635	716
151	Brigham Young U. all campuses	963	715	799	842	902	642	738	672
152	Oakland U.	553	360	722	823	223	204	450	338
153	WA State U.	289	320	505	795	0	0	0	113
154	WV U.	596	535	694	792	193	149	279	430
155	U. NH	260	249	605	784	233	191	302	679
156	U. IA	755	497	619	771	651	386	413	527
157	CA State Polytechnic U. San Luis Obispo	781	796	628	770	0	782	594	47
158	Kent State U. all campuses	454	532	288	739	428	390	246	572
159	NM Institute of Mining and Technology	337	491 i	854	723	150	334 i	821	468
160	U. North TX	486	426	423	718	308	308	259	510
161	Tufts U.	884	902	1,010	710	564	572	755	452
162	San Diego State U.	493	653	676	706	86	228	202	214
163	Claremont Graduate U.	361	298	508	697	289	124	115	267
164	U. Southern ME	263 i	312 i	362	619	16 i	9 i	0	41
165	FL Institute of Technology	2,290	1,164	889	616	1,829	802	812	610
166	St. Joseph's U.	155	358	562	589	126	347	551	589
167	U. RI	562	672	672	589	501	645	628	568
168	U. WY	310 e	539	522	576	160 e	238	138	67
169	ID State U.	38	791	683	572	0	752	683	537
170	OK State U. all campuses	123	217	364	565	78	178	256	482
171	Southern IL U. Carbondale	637	354	441	543	0	0	22	93
172	U. Central AR	287 i	315 i	529 i	523 i	199 i	199 i	218 i	178 i
173	NC Agricultural and Technical State U.	509	574	564	495	462	512	563	454
174	U. Dayton	327	382	646	494	244	285	562	484
175	Southern Methodist U.	735	675	687	478	422	372	271	190
176	Southern IL U. Edwardsville	345	436	1,701	475	33	47	239	91
177	TX A&M U. Corpus Christi	903	707	407	464	724	526	270	300
178	C. of William and Mary all campuses	1,187	1,150	853	453	1,116	1,096	780	383
179	U.S. Air Force Academy	3,740	2,903	252	450	1,962	1,125	252	450
180	CUNY The City C.	528	579	467	430	485	445	271	174
181	VA State U.	0	16	7	425	0	0	0	425
182	U. WI Milwaukee	487	268	525	416	256	94	233	140
183	Smith C.	267	301	313	411	267	301	313	397
184	Baylor U.	323	222	259	386	64	70	85	191
185	San Jose State U.	234	334	304	386	44	0	39	141
186	TN Technological U.	59	160	91	386	29	141	50	17
187	CUNY Hunter C.	331	341	379	380	216	219	264	181
188	CUNY Graduate Ctr.	1,634	1,109	626	378	1,010	1,018	465	374
189	CA State U. Dominguez Hills	235	274	335	366	154	214	322	216
190	Harvey Mudd C.	68 i	42 i	395	363	32 i	30 i	259	268
191	U. KS all campuses	782	458	298	354	474	456	296	351
192	U. Central FL	0	398	9,668	350	0	0	93	0
193	U. MO-Rolla	277	429	190	345	94	310	122	275
194	U. AR main campus	825	987	1,047	340	0	0	23	7
195	Spelman C.	20	62	239	329	20	62	239	329

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
196	Western MI U.	263	245	422	329	185	234	119	63
197	Towson U.	171	198	285	325	40	100	265	277
198	U. MA Dartmouth	72	86	162	323	39	34	67	229
199	CA State U. San Bernardino	1,226	1,181	785	317	764	1,127	703	150
200	TX A&M U. Commerce	3	2	195	315	1	0	82	15
201	ND State U. all campuses	2,302	1,244	524	314	2,028	921	447	194
202	MS Valley State U.	218	157	191	313	218	157	191	313
203	Sam Houston State U.	0 i	2	47	311	0 i	2	47	311
204	Case Western Reserve U.	221	186	1,230	309	221	161	1,065	177
205	TX State U. San Marcos	191	353	437	302	0	241	175	231
206	U. Denver	115	89	56	298	78	89	56	298
207	Mt. Holyoke C.	313	493	281	297	80	153	75	26
208	U. VT	0	0	0	287	0	0	0	249
209	Loyola C.	131	401	359 i	282	118	317	266 i	264
210	Boston C.	135 e	20	115	275	135 e	0	0	3
211	Humboldt State U.	171 i	175 i	91	267	83 i	82 i	74	206
212	Wake Forest U.	0	168	297	254	0	132	180	141
213	U. SD	140	172	38	245	140	169	38	192
214	U. Southern MS	132	272	273	236	131	272	267	224
215	U. TX Tyler	ne	15	230	234	ne	0	223	234
216	Hope C.	111	116	205	220	102	108	201	220
217	Winona State U.	ne	ne	ne	214	ne	ne	ne	1
218	Northern IL U.	382	153	294	213	274	122	277	200
219	FL A&M U.	358	136	965	205	350	122	175	118
220	U. Hartford	27	69	125	204	0	62	125	204
221	Rochester Institute of Technology	418	1,404	328	202	187	253	150	137
222	TX A&M U. Kingsville	0	0	0	200	0	0	0	200
223	Wellesley C.	1	0	0	198	0	0	0	198
224	Western Carolina U.	189	153	41	196	138	106	41	138
225	Xavier U. LA	194	166 i	261	182	190	165 i	258	177
226	Pomona C.	11	121	258	178	0	8	83	168
227	Winston-Salem State U.	172 e	181 i	155 i	173 i	172 e	181 i	155 i	173 i
228	U. NC Asheville	2	205	400	169	0	0	0	0
229	Bryn Mawr C.	180	353	150	168	47	0	42	0
230	U. Northern IA	86	73	34	168	49	61	33	50
231	U. of St. Thomas (St. Paul, MN)	0	0	94	167	0	0	94	167
232	Williams C.	133 i	134 i	153 i	164 i	25 i	34 i	41 i	32 i
233	Colgate U.	75	101	95	159	0	0	0	79
234	Colby C.	11	115	171	146	0	115	168	146
235	Middle TN State U.	262	90	55	146	261	43	44	132
236	Millersville U. PA	110 i	120 i	130 i	146	88 i	96 i	104 i	117
237	U. MS all campuses	192	192	48	144	177	167	47	127
238	CUNY Queens C.	375	206	45	143	350	206	32	121
239	Dowling C.	ne	ne	ne	143	ne	ne	ne	129
240	U. MT-Missoula, The	824	155	171	138	700	97	148	129
241	MT State U. Bozeman	224	174	419	133	144	85	58	123
242	Clarkson U.	0	0 i	0	132	0	0 i	0	61
243	U. South FL	0	478	187	132	0	0	0	0
244	Grinnell C.	0	35	32	130	0	0	0	50
245	East TN State U.	127	130	128	129	45	121	83	102
246	U. Houston-Clear Lake	258	177	49	128	59	105	19	15

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
247	C. Charleston	37	64	69	121	4	26	39	98
248	Ithaca C.	0	0	140	119	0	0	140	119
249	Vassar C.	28 i	25 i	103	118	11 i	18	103	118
250	Central State U.	99 i	79	116	116	99 i	79	116	116
251	U. ND all campuses	230	80	27	113	160	29	0	24
252	Bradley U.	125	20	23	109	123	16	0	0
253	Southern U. and A&M C. all campuses	0	0 i	54	109	0	0 i	54	69
254	U. North FL	88	131	175	109	0	0	0	32
255	U. Miami	0	75	76	106	0	74	76	106
256	U.S. Naval Academy	224	196	268	105	224	196	268	75
257	Governors State U.	0 i	0	53	104	0 i	0	53	104
258	Kennesaw State U.	40	0	175	104	0	0	138	0
259	U. IL Springfield	0	0	0	104	0	0	0	104
260	U. WI La Crosse	294	297	247	103	217	265	131	103
261	CUNY Herbert H. Lehman C.	164	84	235	102	161	84	231	0
262	Augsburg C.	107	95	76	99	107	95	76	99
263	Appalachian State U.	8	1	13	94	0	0	0	89
264	OR Institute of Technology	428	130	206	93	329	107	88	42
265	Union C. (Schenectady, NY)	112	73	48	91	4	0	1	54
266	CA State U. Chico	1,118 i	85	90 i	90 i	443 i	85	90 i	90 i
267	American U.	0	0	55	80	0	0	55	57
268	Wichita State U.	221	101	61	77	164	72	59	59
269	Augustana C. (Sioux Falls, SD)	69	106	18	73	69	53	18	73
270	Bowling Green State U. all campuses	22	490	180	72	0	415	137	59
271	SUNY C. Oswego	195	45	1	68	123	45	0	0
272	Macalester C.	114	67	54	67	0	0	0	0
273	U. NC Wilmington	0	243	420	65	0	213	120	32
274	GA Southern U.	0	36	31	64	0	35	28	13
275	U. Houston-Downtown	325	73	58	64	192	70	0	14
276	Fordham U.	0	0	114	63	0	0	0	0
277	Morgan State U.	340	323	50	61	340	286	41	32
278	Santa Clara U.	ne	60 i	61 i	61 i	ne	60 i	61 i	61 i
279	Western KY U.	0	9	43	59	0	0	40	59
280	Lewis and Clark C.	52	85	101	58	0	0	16	12
281	U. San Francisco	0	77	27	57	0	59	15	0
282	U. TX-Pan American	468	414	188	57	468	414	169	38
283	CA State U. Long Beach	21	14	767	56	21	8	767	56
284	Southern Polytechnic State U.	ne	ne	ne	53	ne	ne	ne	41
285	U. South AL	138	121	5	52	0	0	0	0
286	Georgetown U.	227	250	12	51	217	250	11	46
287	Washington and Lee U.	46 i	50	29	51	46 i	50	29	51
288	Dickinson C.	8	8	0	50	8	8	0	44
289	Eastern MI U.	11	0	34	50	0	0	0	0
290	San Francisco State U.	0 i	116	238	50	0 i	79	225	50
291	Evergreen State C.	46	107	75	47	46	107	75	47
292	Lamar U.	39	50	17	47	28	40	7	12
293	Morehouse C.	76 i	32	16	44	76 i	32	16	44
294	St. Cloud State U.	80	51	28	44	0	0	0	0
295	Lake Forest C.	0	0	46	39	0	0	0	0

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
296	Mills C.	ne	ne	38 i	39 i	ne	ne	38 i	39 i
297	Pace U. all campuses	30	15	0	37	18	15	0	22
298	U. AL Birmingham, The	807	271	444	37	728	261	274	37
299	U. PR Rio Piedras Campus	5	72	10	37	0	0	0	0
300	Miles C.	ne	ne	ne	36	ne	ne	ne	36
301	MN State U. Mankato	149 i	20	98	36	8 i	14	6	0
302	Northern AZ U.	286	42	64	36	145	33	23	4
303	Prairie View A&M U.	1,139	131	89	35	1,139	131	89	12
304	Benedict C.	0	0	42	34	0	0	42	34
305	Montclair State U.	81 i	68 i	28 i	34 i	0 i	0 i	0 i	0 i
306	CA State U. East Bay	161 i	8	0	33	134 i	0	0	0
307	Calvin C.	168	100	48	33	146	14	0	3
308	Northern KY U.	29	70	30	33	0	0	0	0
309	U. LA Monroe	83	0	0	33	0	0	0	0
310	Claremont McKenna C.	ne	ne	ne	31 i	ne	ne	ne	31 i
311	Trinity C. (Hartford, CT)	6	19	55	31	6	19	54	30
312	U. Akron all campuses	177	14	4	31	119	0	0	0
313	U. Toledo	0	0	0	31	0	0	0	14
314	CA State U. Bakersfield	282 i	200	110	30	71 i	200	0	0
315	SUNY C. Brockport	0	0	0	30	0	0	0	30
316	Bowdoin C.	36	59	52	29	35	57	45	29
317	SUNY C. Geneseo	27	172	112	29	22	172	112	27
318	Teachers C. Columbia U.	0	90	100	29	0	38	1	0
319	Furman U.	39	41	57	28	32	37	51	24
320	U. West GA	28	28	28	28	28	28	28	28
321	Trinity U.	0	0	0	27	0	0	0	27
322	Auburn U. all campuses	235	285	13	26	44	10	13	4
323	U. WI Oshkosh	1	25	24	26	1	21	22	21
324	CUNY John Jay C. of Criminal Justice	74	51	17	25	0	0	0	0
325	McNeese State U.	0	0	23	25	0	0	0	0
326	AR State U. main campus	0	0	1	24	0	0	1	17
327	Haverford C.	39 i	30 i	19 i	23 i	35 i	28 i	17 i	21 i
328	Tarleton State U.	0	30	3	23	0	30	0	0
329	Hamilton C. (Clinton, NY)	0	0	12	21	0	0	12	0
330	Hampton U.	0	0	0	21	0	0	0	21
331	SD State U.	53	18	22	20	14	18	22	18
332	Troy U. main campus	ne	ne	37	20	ne	ne	36	0
333	IL State U.	119	63	54	19	0	0	0	0
334	Central MI U.	57	23	11	18	0	0	0	0
335	TN State U.	251	52	36	18	251	44	23	14
336	C. NJ, The	197 i	159 i	12	17	68 i	47 i	0	0
337	CT C.	5 i	4	3	17	5 i	4	3	17
338	TX A&M U. System Health Science Ctr.	0	0	0	15	0	0	0	6
339	Southern OR U.	20	16	7	14	0	0	0	0
340	Bard C.	ne	3 i	ne	13 i	ne	3 i	ne	13 i
341	Hampshire C.	414	208	17	13	414	208	17	13
342	Saginaw Valley State U.	3	11	17	13	0	7	0	0
343	U. of the South	ne	30	42	12	ne	25	39	10
344	Drake U.	0	0	0	11	0	0	0	0
345	Loyola U. New Orleans	2 i	2	2	10	0 i	0	0	0

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
346	SD School of Mines and Technology	0	0	8	10	0	0	8	10
347	Southwest MO State U.	0	5	0	10	0	0	0	10
348	U. WI Eau Claire	36	93	5	10	35	93	5	9
349	U. WI Green Bay	6	11	6	9	0	0	0	0
350	U. WI Parkside	30	143	21	9	30	143	13	0
351	Allegheny C.	0	0	0	8	0	0	0	0
352	Kalamazoo C.	2	11	2	8	0	0	0	0
353	U. of the Pacific	0	0	0	8	0	0	0	8
354	FL Gulf Coast U.	0	0	0	7	0	0	0	7
355	Marshall U.	0	0	36	7	0	0	0	0
356	TX Christian U.	41	46	34	7	41	44	34	7
357	Angelo State U.	ne	ne	15 i	6	ne	ne	5 i	0
358	CUNY York C.	0	3	4	6	0	0	0	0
359	Gettysburg C.	ne	5	6	6	ne	0	0	0
360	Sarah Lawrence C.	ne	ne	0	6	ne	ne	0	6
361	Youngstown State U.	0	0	1	6	0	0	0	0
362	CA State U. Fresno	0	0	15	5 i	0	0	0	0 i
363	CA State U. Monterey Bay	63	237	30	5	55	218	27	0
364	Cleveland State U.	92	45	53	5	60	23	23	0
365	CUNY Baruch C.	3	2	0	5	0	0	0	0
366	DePauw U.	5 i	5 i	5 i	5 i	5 i	5 i	5 i	5 i
367	Edward Waters C.	ne	ne	ne	5 i	ne	ne	ne	0 i
368	Fairleigh Dickinson U. all campuses	ne	ne	ne	5 i	ne	ne	ne	0 i
369	Mercy C.	ne	28 i	0	5	ne	0 i	0	5
370	Morehead State U.	8	15	0	5	0	0	0	0
371	Seattle Pacific U.	ne	ne	ne	5 i	ne	ne	ne	0 i
372	U. MO-Kansas City	477	159	106	5	297	158	102	0
373	Hofstra U.	0 i	0 i	5	4	0 i	0 i	3	0
374	Indiana U. PA all campuses	222	108	9	4	216	102	9	0
375	William Paterson U. NJ	ne	ne	ne	4 i	ne	ne	ne	3 i
376	Siena C.	ne	ne	4 i	3 i	ne	ne	4 i	3 i
377	VA Commonwealth U.	72	30	0	3	0	0	0	0
378	CUNY C. Staten Island	0	25	0	2	0	0	0	0
379	Western IL U.	0	2	0	2	0	0	0	0
380	Swarthmore C.	34	22	4	1	31	19	4	0
	All other surveyed institutions	5,690	4,830	1,402	0	4,921	3,973	804	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$73,477 in total and \$72,985 in federally financed R&D expenditures in the computer sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	2,353,444	2,553,767	2,601,229	2,725,120	491,958	909,627	996,203	327,332
1	U. CA, San Diego	122,387	125,519	127,469	132,814	7,360	33,144	91,806	504
2	TX A&M U.	66,724	89,551	69,531	112,571	6,300	5,415	88,535	12,321
3	Woods Hole Oceanographic Institution	96,548	96,473	100,258	110,899	0	0	110,899	0
4	CO State U.	71,409	82,240	84,894	94,391	32,072	62,319	0	0
5	U. WA	78,845	84,864	92,110	91,765	20,936	6,792	54,463	9,574
6	U. CO all campuses	86,142	106,955	90,831	90,889	43,445	44,938	6	2,500
7	U. AK Fairbanks all campuses	67,891	75,857	80,804	80,102 i	49,310 i	9,417 i	21,375 i	0 i
8	U. WI Madison	54,127	72,681	82,589	77,397	61,100	6,140	3,258	6,899
9	U. HI Manoa	54,891	60,485	60,612	65,677	2,675	14,242	46,455	2,305
10	U. NH	45,307	48,313	55,726	55,684	14,119	16,038	25,527	0
11	PA State U. all campuses	41,057	44,968	52,793	55,506	14,781	32,985	7,740	0
12	Columbia U. in the City of NY	54,163	60,939	57,799	55,503	8,200	509	42,779	4,015
13	U. Miami	44,320	48,091	49,485	49,346	25,864	0	20,244	3,238
14	U. TX Austin	30,915	38,858	37,600	43,269	15	33,633	7,684	1,937
15	Johns Hopkins U., The ^a	38,585	42,281	40,256	42,422	8,259 i	3,180 i	13,170 i	17,813 i
16	U. MD Ctr. for Environmental Science	39,631	41,022	40,146	40,720	0	4,754	35,966	0
17	OR State U.	37,912	41,170	40,829	39,634	1,874	1,995	12,325	23,440
18	U. IL Urbana-Champaign	41,152	38,638	41,592	38,715	2,841	35,129	308	437
19	Desert Research Institute	26,318	29,248	35,776	38,402	14,207	24,195	0	0
20	C. of William and Mary all campuses	32,640	31,777	34,649	34,262	0	752	33,304	206
21	U. SC all campuses	20,720	20,960	32,413	33,752	0	7,237	8,512	18,003
22	LA State U. all campuses	30,827	33,792	33,023	33,732	0	7,452	20,805	5,475
23	U. OK all campuses	29,639	32,729	33,264	33,058	23,309	9,749	0	0
24	U. South FL	28,375	34,191	32,230	29,032	1,465	2,975	23,342	1,250
25	Rutgers, The State U. NJ all campuses	28,359	29,835	28,649	28,785	38	1,845	14,975	11,927
26	U. CA, Davis	26,891	26,354	26,234	28,464	1,586	4,055	5,187	17,636
27	U. CA, Santa Barbara	26,527	27,685	29,108	28,111	0	4,379	23,587	145
28	Harvard U.	15,690	25,250	26,616	27,733	5,182	3,523	126	18,902
29	U. MD Baltimore County	17,943	15,900	22,118	27,373	0	27,373	0	0
30	U. RI	25,824	23,764	26,121	26,520	0	2,093	23,802	625
31	MA Institute of Technology	28,648	27,444	27,267	26,227	6,286	9,289	7,910	2,742
32	SUNY Stony Brook all campuses	21,961	22,078	22,512	24,042	0	8,172	15,870	0
33	Stanford U.	17,147	25,124	19,803	23,208	0	13,625	5,622	3,961
34	FL State U.	21,459	23,976	25,531	22,816	9,490	8,328	4,998	0
35	U. CA, Santa Cruz	18,414	18,801	20,173	22,427	0	4,428	15,870	2,129
36	U. NC Chapel Hill	23,761	23,272	22,258	22,030	0	15,326	6,704	0
37	U. ME	22,830	20,311	20,470	20,872	0	7,915	12,944	13
38	U. NV, Las Vegas	17,432 i	15,133	18,069	18,846	0	18,846	0	0
39	U. Southern CA	18,687	20,274	18,225	18,778	0	14,860	3,766	152
40	Princeton U.	17,067	17,771	17,909	18,373	4,514	4,141	0	9,718
41	U. CA Office of the President	7,639	11,877	14,439	16,990	0	0	0	16,990
42	Naval Postgraduate School	10,426 i	10,585	14,604	16,684	8,736	0	7,948	0
43	San Jose State U.	11,858	14,693	17,949	16,678	346	523	15,750	59

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
44	U. Central FL	13,747	14,866	14,513	16,494	16,494	0	0	0
45	CA Institute of Technology	13,136	15,739	16,357	16,044	0	16,044	0	0
46	Hampton U.	24,587	87	16,791	15,945	15,723	0	222	0
47	GA Institute of Technology all campuses	15,046	14,359	16,422	15,847	11,401	4,051	126	269
48	U. Southern MS	13,336	13,806	14,362	15,147	0	438	14,709	0
49	U. CA, Riverside	11,823	13,010	13,679	15,074	1,211	4,916	0	8,947
50	Duke U.	11,566	12,523	13,530	14,772	0	2,620	3,893	8,259
51	NC State U.	15,594	15,976	13,223	14,700	0	43	3,520	11,137
52	U. MD College Park	11,158	11,841	13,893	14,422	3,493	10,929	0	0
53	U. KS all campuses	14,438	12,224	15,204	14,235	0	14,228	7	0
54	U. MD Biotechnology Institute	10,652	11,297	12,285	14,058	0	0	14,058	0
55	U. MN all campuses	11,602	11,494	14,474	13,953	0	6,387	2,706	4,860
56	AZ State U.	11,197	11,476	12,277	13,553	0	13,553	0	0
57	U. GA	12,891	13,694	14,521	13,491	0	4,347	9,144	0
58	U. AZ	11,971	11,666	11,388	13,265	2,759	10,506	0	0
59	MI Technological U.	6,820	8,399	8,238	12,428	0	1,870	0	10,558
60	U. DE	12,226	12,229	12,532	12,388	0	871	11,517	0
61	U. MI all campuses	8,166	9,828	11,285	11,897	0	11,897	0	0
62	U. AL Huntsville, The	6,796	7,759	8,898	11,470	11,470	0	0	0
63	U. WY	8,076 e	10,393	11,328	11,411	8,394	3,017	0	0
64	U. ND all campuses	7,147	6,510	8,745	11,128	4,199	6,459	0	470
65	U. NV, Reno	8,072	9,576	10,074	10,760	0	9,772	0	988
66	U. CA, Berkeley	9,093	9,425	9,996	10,574	35	10,528	0	11
67	UT State U.	9,007	6,648	8,968	10,172	4,141	6,031	0	0
68	U. MA Dartmouth	8,345	9,528	9,565	10,116	0	0	10,116	0
69	U. FL	7,879	9,486	10,281	10,113	0	5,383	4,427	303
70	U. CA, Los Angeles	15,396	14,038	11,098	10,083	4,333	3,464	0	2,286
71	U. NC Wilmington	5,468	8,027	7,479	10,052	0	412	9,640	0
72	OH State U. all campuses	11,398	10,399	9,336	9,896	0	9,896	0	0
73	George Mason U.	9,951	9,321	12,601	9,522	2,443	7,079	0	0
74	MS State U.	4,815	4,659	5,017	9,150	497	6,030	2,472	151
75	U. CT all campuses	8,412	9,004	8,869	8,486	0	2	8,484	0
76	U. WI Milwaukee	5,207	7,001	7,466	8,209	0	630	6,506	1,073
77	Boston C.	514 e	6,444	7,432	8,114	0	857	0	7,257
78	U. UT	5,761	8,810	8,129	7,912	2,389	5,523	0	0
79	VA Polytechnic Institute and State U.	10,127	10,332	5,876	7,910	0	7,544	0	366
80	Brown U.	6,235	6,604	7,998	7,535	0	6,859	0	676
81	U. MS all campuses	0	0	317	7,129	0	2,665	4,464	0
82	IA State U.	5,768	6,429	6,422	7,051	0	7,051	0	0
83	WV U.	7,219	7,117	7,374	6,894	0	6,894	0	0
84	San Francisco State U.	2,849 i	5,388	7,607	6,892	0	162	6,164	566
85	CA State U. Monterey Bay	2,373	2,786	3,372	6,482	30	2,899	1,027	2,526
86	Cornell U. all campuses	5,222	6,006	6,383	6,457	0	5,663	421	373
87	U. Chicago	4,902	5,155	4,848	6,414	0	6,414	0	0
88	TX Tech U.	9,682	7,423	6,454	6,331	0	989	0	5,342
89	TX A&M U. Corpus Christi	3,035	3,950	5,511	5,996	57	319	4,606	1,014

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
90	Purdue U. all campuses	4,624	5,757	6,210	5,547	2,736	1,368	0	1,443
91	Washington U. St. Louis	4,893	5,541	4,927	5,526	0	5,526	0	0
92	U. CA, Irvine	6,045	5,034	5,689	5,492	0	0	0	5,492
93	U. NM main campus	3,988	4,486	4,453	5,411	724	4,675	0	12
94	U. TX El Paso	2,984	2,876	3,484	5,370	582	3,287	0	1,501
95	U. PR Mayaguez Campus	4,599	5,011	4,681	5,199	0	670	4,529	0
96	Old Dominion U.	3,826	4,223	4,731	5,094	0	0	5,094	0
97	FL International U.	16,191	19,537	5,364	5,032	4,869	39	0	124
98	U. NE all campuses	5,004	4,095	4,470	5,002	600	4,359	0	43
99	U. Memphis, The	4,700	8,800	4,902	4,835	0	4,835	0	0
100	Boston U.	3,890	4,411	4,857	4,774	0	2,212	0	2,562
101	Northern AZ U.	2,777	4,113	4,091	4,649	0	4,642	0	7
102	U. ID	4,887	4,449	4,970	4,602	0	2,987	0	1,615
103	SUNY Albany	7,391	7,060	6,760	4,465	2,845	1,620	0	0
104	Yale U.	3,522	4,566	4,785	4,465	982	3,259	89	135
105	U. VA all campuses	3,962	4,024	3,875	4,418	4,418	0	0	0
106	SUNY C. of Environmental Science and Forestry	1,898 i	853 i	1,795 i	4,367	123	478	3,343	423
107	Stevens Institute of Technology	7,875	6,523	4,671	4,279	111	451	342	3,375
108	U. TN all campuses	4,970	5,191	4,791	4,207	0	1,885	0	2,322
109	Nova Southeastern U.	3,256	3,038	3,579	4,120	0	0	4,120	0
110	U. MA Amherst	3,387	3,888	4,938	3,956	0	3,790	166	0
111	Jackson State U.	3,757	5,422	5,065	3,946	48	3,898	0	0
112	CA State Polytechnic U. San Luis Obispo	557	1,362	2,603	3,939	0	0	3,516	423
113	U. South AL	1,860	1,602	1,825	3,828	0	963	2,865	0
114	San Diego State U.	2,676	4,179	3,931	3,775	0	3,358	417	0
115	TX State U. San Marcos	1,090	2,170	2,603	3,691	0	0	0	3,691
116	U. MA Lowell	1,949	2,882	4,016	3,691	0	3,691	0	0
117	IN U. all campuses	5,458	3,987	4,671	3,666	0	3,307	0	359
118	U. Houston	4,289	3,998	4,002	3,633	0	3,633	0	0
119	Syracuse U. all campuses	1,130	1,960	3,267	3,194	0	1,138	0	2,056
120	Southern Methodist U.	2,505	2,369	2,821	2,966	0	2,966	0	0
121	WA State U.	3,040	3,297	1,595	2,887	36	1,375	98	1,378
122	U. KY all campuses	3,549	4,059	5,010	2,862	0	2,862	0	0
123	U. MA Boston	1,757	1,734	2,250	2,839	0	467	1,483	889
124	Portland State U.	2,618 e	4,945	3,873	2,827	990	981	80	776
125	SUNY Buffalo all campuses	1,734	2,060	1,774	2,756	0	2,500	0	256
126	FL A&M U.	2,512	3,397	4,236	2,751	0	0	0	2,751
127	U. Toledo	4,502	3,968	3,105	2,685	0	2,573	9	103
128	U. OR	1,975	2,474	2,391	2,662	0	1,918	415	329
129	C. Charleston	2,653	2,620	3,327	2,552	8	1,288	1,256	0
130	U. PR Rio Piedras Campus	2,335	2,279	2,180	2,510	0	0	0	2,510
131	U. MO-Rolla	7,183	4,620	4,577	2,390	870	1,520	0	0
132	Auburn U. all campuses	1,636	2,313	1,593	2,307	53	812	0	1,442
133	Rice U.	1,859	2,066	2,096	2,167	0	2,082	0	85
134	U. MT-Missoula, The	684	1,485	907	2,164	0	1,994	0	170
135	U. HI Hilo	1,133	646	3,597	2,151	500	366	570	715

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
136	Southern U. and A&M C. all campuses	1,201	1,205 i	1,844	2,141	0	0	0	2,141
137	U. AR main campus	3,248	2,802	2,343	2,116	0	1,759	0	357
138	MT Tech of the U. MT	2,828	2,585	2,677	2,105	277	1,828	0	0
139	Northern IL U.	1,463	1,261	856	2,092	0	2,092	0	0
140	SD School of Mines and Technology	3,791	2,241	2,036	2,062	1,758	304	0	0
141	FL Gulf Coast U.	1,083	1,475	1,796	2,055	0	74	1,981	0
142	Northwestern U.	911	1,237	3,690	2,053	0	2,053	0	0
143	U. MO-Columbia	1,945	2,158	1,909	1,977	1,025	952	0	0
144	Southern IL U. Edwardsville	318	2,154	1,111	1,961	0	1,961	0	0
145	CO School of Mines	2,008	2,427	1,759	1,935	0	1,935	0	0
146	OK State U. all campuses	1,737	1,472	1,385	1,931	206	1,277	69	379
147	Central WA U.	1,759	871	1,158	1,922	0	1,922	0	0
148	MT State U. Bozeman	1,184	1,443	1,955	1,918	0	1,918	0	0
149	Grand Valley State U.	1,583	1,935	2,072	1,898	0	391	0	1,507
150	Clark U.	1,394 e	1,370	1,804	1,879	0	1,387	0	492
151	ID State U.	1,624	2,009	1,950	1,781	0	1,781	0	0
152	U. IA	2,016	2,746	2,009	1,723	0	740	0	983
153	Rensselaer Polytechnic Institute	2,689	3,286	1,545	1,692	0	1,692	0	0
154	CUNY Hunter C.	4,223	2,997	2,905	1,659	0	1,482	177	0
155	Baylor U.	497	709	1,086	1,658	0	469	0	1,189
156	Tarleton State U.	2,663	3,014	2,566	1,648	0	1,648	0	0
157	Western WA U.	1,317	1,446	1,423	1,554	0	567	987	0
158	U. WI Stevens Point	631	727	1,335	1,551	0	30	1,135	386
159	U. WI Superior	935	930	1,252	1,541	0	0	1,541	0
160	Carnegie Mellon U.	219	676	929	1,445	0	0	0	1,445
161	U. Southern ME	980 i	1,156 i	1,330	1,398	0	0	1,398	0
162	FL Institute of Technology	1,264	1,023	1,064	1,380	0	0	1,380	0
163	U. AL, The	1,690	2,011	1,612	1,377	0	1,284	30	63
164	U. Pittsburgh all campuses	654	1,068	1,136	1,351	0	1,351	0	0
165	Southern IL U. Carbondale	1,568	1,893	2,344	1,322	0	1,322	0	0
166	SD State U.	157	99	486	1,321	0	1,321	0	0
167	Rochester Institute of Technology	1,171	1,631	1,250	1,261	0	0	0	1,261
168	Western MI U.	1,633	1,885	1,409	1,254	0	1,254	0	0
169	U. IL Chicago	3,290	3,855	1,369	1,252	0	1,203	0	49
170	Sam Houston State U.	675 i	581	670	1,249	0	1,249	0	0
171	OH U. all campuses	1,159	1,445	950	1,246	0	1,238	0	8
172	Lincoln U. (Jefferson City, MO)	105	234	819	1,243	0	0	0	1,243
173	U. NC Charlotte	698	853	1,082	1,231	0	1,231	0	0
174	U. NC Asheville	1,156	2,171	1,639	1,212	426	103	0	683
175	Case Western Reserve U.	738	588	685	1,177	0	1,177	0	0
176	FL Atlantic U.	1,518	1,825	1,004	1,158	219	0	0	939
177	U. Central AR	536 i	604 i	1,134 i	1,158 i	15 i	503 i	536 i	104 i
178	U. North TX	1,406	1,488	1,368	1,154	0	1,154	0	0
179	U. Redlands	1,798	1,258	1,075	1,120	0	1,120	0	0
180	Dartmouth C.	1,117	1,431	1,260	1,095	0	683	0	412
181	Boise State U.	2,192	3,596	1,847	1,083	0	1,083	0	0
182	U. CA, Merced	na	1,075	782	1,083	0	1,083	0	0

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
183	SUNY Binghamton	838	936	1,349	1,077	0	1,077	0	0
184	East Carolina U.	590	997	932	1,058	105	452	501	0
185	CA State U. Northridge	1,094	660	1,099	1,046	0	619	427	0
186	MI State U.	1,409	1,441	1,071	1,020	0	1,020	0	0
187	U. Rochester	1,223	844	914	1,004	0	1,004	0	0
188	Western KY U.	121	194	283	1,004	0	853	0	151
189	Sul Ross State U.	0	1,221	1,024	983	0	975	0	8
190	TX A&M U. Kingsville	800	1,001	1,455	978	2	203	0	773
191	Coastal Carolina U.	1,131	573	979	951	2	0	949	0
192	U. GU	1,381	1,245 i	1,220	925	0	0	576	349
193	U. AK Anchorage all campuses	0 i	0	856	924	16	767	125	16
194	U. WI Green Bay	1,505	1,157	1,140	912	0	0	0	912
195	Savannah State U.	1,169	1,464	1,392	907	0	303	604	0
196	U. Cincinnati all campuses	689	754	929	879	0	879	0	0
197	Tufts U.	856	708	864	843	798	45	0	0
198	Lehigh U.	1,824	1,987	1,055	837	0	837	0	0
199	U. MD Eastern Shore	2,891	3,642	2,400	824	0	0	0	824
200	Carleton C.	887	967	884	807	0	807	0	0
201	James Madison U.	131	36	263	787	605	182	0	0
202	NM State U. main campus	833	1,270	1,649	780	0	735	0	45
203	Wright State U. all campuses	478	345	565	780	0	780	0	0
204	U. TX San Antonio	494	1,112	1,140	776	0	451	0	325
205	U. PA	704	691	760	750	0	750	0	0
206	Oglala Lakota C.	ne	ne	ne	748	0	748	0	0
207	St. Louis U. all campuses	819 e	882	913	746	746	0	0	0
208	VA Commonwealth U.	648	590	629	742	0	0	0	742
209	CA State U. Los Angeles	1,009	1,166	1,009	740	6	74	0	660
210	Montclair State U.	404 i	673 i	914 i	686 i	0 i	686 i	0 i	0 i
211	Western Carolina U.	22	11	958	685	0	609	0	76
212	Miami U. all campuses	414 i	564 i	573 i	676 i	0 i	676 i	0 i	0 i
213	Tulane U.	821	777	498	670	0	670	0	0
214	U. WI La Crosse	9	719	634	634	0	634	0	0
215	Vanderbilt U.	226	293	431	618	0	618	0	0
216	Embry-Riddle Aeronautical U.	224	1,202	958 i	567	567	0	0	0
217	Mt. Holyoke C.	578	610	424	566	0	566	0	0
218	Bowling Green State U. all campuses	203	526	48	556	0	556	0	0
219	U. VT	429	786	539	527	0	527	0	0
220	CA State U. East Bay	299 i	338	377	520	0	116	189	215
221	Murray State U.	769	1,127	471	513	0	513	0	0
222	Colgate U.	466	374	508	507	9	233	0	265
223	U. TX Dallas	3,224	3,363	678	497	0	0	0	497
224	Bowdoin C.	765	471	589	487	0	33	454	0
225	U. West GA	400	400	400	480	0	480	0	0
226	Lamar U.	1,920	1,549	768	472	0	0	0	472
227	Millersville U. PA	363 i	396 i	429 i	460	460	0	0	0
228	U. New England	ne	ne	305	458	0	373	1	84
229	Barnard C.	95 e	81	152	446	0	0	0	446

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
230	Ball State U.	566	463	461	443	0	16	0	427
231	KS State U.	526	585	725	442	0	442	0	0
232	TX A&M U. System Health Science Ctr.	728	550	1,056	436	0	0	0	436
233	CA State U. Fullerton	311	228	650	435	0	33	111	291
234	Evergreen State C.	28	230	241	430	0	430	0	0
235	U. Northern IA	325	297	331	424	0	18	0	406
236	Franklin & Marshall C.	172	212	271	420	0	304	116	0
237	Universidad del Turabo	ne	12 i	63	417	81	0	0	336
238	CA State U. Chico	0 i	368	391 i	402 i	0 i	0 i	0 i	402 i
239	Kent State U. all campuses	746	714	352	381	0	381	0	0
240	Northeastern U.	0	13	425	375	0	0	375	0
241	U. TX Arlington	153	344	337	370	0	367	3	0
242	Humboldt State U.	524 i	536 i	264	363	0	153	210	0
243	CA State U. Bakersfield	843 i	238	245	358	0	358	0	0
244	Dillard U.	0	0 i	0 i	357	0	357	0	0
245	Bryn Mawr C.	333	439	529	349	0	349	0	0
246	GA Southern U.	479	436	411	349	0	155	1	193
247	Brigham Young U. all campuses	284	292	342	348	0	348	0	0
248	CUNY The City C.	511	451	215	346	0	346	0	0
249	U. WI Eau Claire	60	137	170	345	0	345	0	0
250	CUNY Queens C.	339	462	395	343	0	343	0	0
251	Wesleyan U.	343	452	439	342	0	342	0	0
252	SUNY C. Plattsburgh	531	693	623	339	0	21	0	318
253	Hobart and William Smith Colleges	ne	ne	ne	331	40	1	0	290
254	West TX A&M U.	315	354	319	330	0	0	0	330
255	Hamilton C. (Clinton, NY)	229	315	242	316	0	316	0	0
256	Amherst C.	311	244	377	307	0	307	0	0
257	U. Louisville	794	586	583	306	0	90	0	216
258	Middlebury C.	93 i	96 i	100 i	305	0	165	140	0
259	IN State U. all campuses	339	480	711	304	0	304	0	0
260	Appalachian State U.	108	281	276	300	0	300	0	0
261	DE State U.	0 i	0	0	300	0	0	300	0
262	Monmouth U.	38 i	57	290	298	0	0	229	69
263	U. Houston-Clear Lake	134	89	251	296	0	0	0	296
264	GA State U.	397	381	299	294	0	294	0	0
265	U. San Francisco	157	235	274	272	0	0	0	272
266	Albany State U.	228	169	628	261	0	261	0	0
267	Cleveland State U.	642	502	316	260	0	121	0	139
268	Stephen F. Austin State U.	69	95	5	259	0	6	0	253
269	Sinte Gleska U.	ne	306	582	254	0	254	0	0
270	U. AR Little Rock	43	49	241 i	250 i	0 i	250 i	0 i	0 i
271	NM Institute of Mining and Technology	10,031	14,634 i	72	240	0	0	0	240
272	Black Hills State U.	41	16	79	236	155	81	0	0
273	Oberlin C.	42	140	294	235	0	231	0	4
274	CA State U. Long Beach	701	528	186	233	0	31	202	0
275	Long Island U. all campuses	298	749	213	233 i	0 i	2 i	199 i	32 i

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
276	CA State U. San Bernardino	671	328	121	230	103	127	0	0
277	Southwest MO State U.	97	162	223	228	0	228	0	0
278	LA Tech U.	0	145	210	225	0	0	0	225
279	ND State U. all campuses	297	181	248	225	0	225	0	0
280	U. Tulsa	205	204	195	216	0	216	0	0
281	CUNY Medgar Evers C.	94	489	228	214	0	214	0	0
282	Roger Williams U. Bristol	280	421	454	212	88	0	124	0
283	Eastern IL U.	0 i	0 i	0 i	210	19	191	0	0
284	Shaw U.	360	284	318	209	0	0	0	209
285	SUNY C. Brockport	23	85	124	203	0	3	0	200
286	Dickinson C.	175	460	254	202	0	103	0	99
287	U. TX-Pan American	159	190	134	202	14	0	188	0
288	U. Akron all campuses	741	467	195	201	0	201	0	0
289	Macalester C.	144	163	372	199	0	151	0	48
290	U. AK Southeast all campuses	145 i	152	150	189	0	94	95	0
291	TX Christian U.	45	54	112	188	0	188	0	0
292	Occidental C.	142 i	125	167	181	0	181	0	0
293	Central MI U.	206	196	263	176	21	155	0	0
294	West Liberty State C.	ne	ne	0	164	0	0	0	164
295	U. San Diego	60	162	99	163	0	0	163	0
296	Elizabeth City State U.	164	252	144	161	0	157	4	0
297	Jacksonville State U.	ne	234	252	159	0	159	0	0
298	Eastern KY U.	7	21	34	155	0	155	0	0
299	AR Tech U.	416 i	140 i	136 i	154 i	0 i	154 i	0 i	0 i
300	Lafayette C.	20	52	60	154	0	154	0	0
301	U. DC	169	350	243	151	151	0	0	0
302	Wayne State U.	108	85	109	149	0	149	0	0
303	U. LA Lafayette	347	233	194	137	0	137	0	0
304	McNeese State U.	441	372	258	135	0	135	0	0
305	St. Francis U. (Loretto, PA)	ne	87	168	135	0	0	0	135
306	CUNY Herbert H. Lehman C.	25	135	135	132	0	132	0	0
307	U.S. Military Academy	0 i	0 i	0 i	126	0	0	0	126
308	Allegheny C.	15	10	131	125	0	15	0	110
309	Union C. (Schenectady, NY)	125	141	164	125	0	112	0	13
310	U.S. Naval Academy	271	325	90	118	0	0	118	0
311	Central State U.	371 i	79	116	116	0	116	0	0
312	Sarah Lawrence C.	ne	ne	0	115	0	115	0	0
313	Grambling State U.	53	0	0	114	0	0	0	114
314	Bates C.	286	223	219	108	0	104	0	4
315	SUNY C. Buffalo	1,204	1,382	209	107	0	55	0	52
316	Loyola Marymount U.	52	5	59	106	0	106	0	0
317	NM Highlands U.	202	86	19	106	0	106	0	0
318	Southern OR U.	21	119	117	106	0	8	0	98
319	Marshall U.	0	70	56	105	0	92	0	13
320	Bridgewater State C.	19	3	74	99 i	0 i	89 i	0 i	10 i
321	Colby C.	62	69	93	97	0	67	0	30
322	DePaul U.	19	62	73	97	0	0	0	97
323	IL State U.	100	100	80	97	0	97	0	0

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
324	Hampshire C.	176	151	107	94	0	7	0	87
325	WV State U.	28	25	0	94	0	94	0	0
326	Williams C.	74 i	87 i	103 i	94 i	33 i	44 i	0 i	17 i
327	Whitman C.	308	234	273	91	0	8	83	0
328	Vassar C.	2 i	1 i	0	81	0	81	0	0
329	Creighton U.	133	148	96	79	79	0	0	0
330	Furman U.	161	202	183	76	0	76	0	0
331	SUNY Fredonia	29	22	38	74	0	74	0	0
332	C. Wooster	23 i	44 i	64 i	73	0	73	0	0
333	Bucknell U.	72	30	24	71	0	0	0	71
334	Middle TN State U.	10	14	20	71	0	71	0	0
335	SUNY C. Cortland	61	105	240	71	0	71	0	0
336	Trinity U.	2	44	22	68	0	68	0	0
337	Calvin C.	89	89	62	66	0	66	0	0
338	U. WI Parkside	36	33	75	65	0	65	0	0
339	Smith C.	135	64	88	64	0	64	0	0
340	Lawrence U.	11 i	11 i	25	61	0	0	61	0
341	Temple U.	224	99	198	61	0	61	0	0
342	U. NC Pembroke	ne	ne	0	61	0	0	61	0
343	Eastern WA U.	10	77	52	60	0	60	0	0
344	U. Dayton	77	76	118	57	0	57	0	0
345	Wichita State U.	35	49	42	57	0	57	0	0
346	Augustana C. (Rock Island, IL)	75	48	61	56 i	0 i	56 i	0 i	0 i
347	Fordham U.	25	0	64	56	0	0	56	0
348	Northern MI U.	106 i	113 i	118 i	56	0	56	0	0
349	Wilkes U.	0	ne	53	56	0	56	0	0
350	SUNY C. Geneseo	4	3	27	55	0	55	0	0
351	CA State U. Fresno	692	1,535	152	52 i	0 i	52 i	0 i	0 i
352	SUNY C. Oswego	250	75	18	52	0	52	0	0
353	U.S. Coast Guard Academy	0	0	0	52	0	52	0	0
354	U. New Haven	0 i	0	ne	52	0	0	52	0
355	U. NC Greensboro	0	0	0	51	0	51	0	0
356	U. WI Oshkosh	54	11	8	51	0	51	0	0
357	Hope C.	75	114	180	50	0	50	0	0
358	Pomona C.	77	77	86	50	0	50	0	0
359	MT State U. Billings	ne	127 i	72	49	0	0	0	49
360	Pace U. all campuses	145	120	213	49	0	0	0	49
361	St. Cloud State U.	155	104	28	49	13	8	0	28
362	U. TX of the Permian Basin	ne	ne	ne	49	0	49	0	0
363	Santa Clara U.	ne	46 i	47 i	47 i	6 i	16 i	14 i	11 i
364	East TN State U.	33	48	40	44	0	4	0	40
365	Mills C.	ne	ne	43 i	44 i	0 i	33 i	5 i	6 i
366	Skidmore C.	9	61	43	44	0	0	0	44
367	Alfred U. all campuses	51	0	127	43	1	42	0	0
368	Gustavus Adolphus C.	87	112	123	43	0	11	0	32
369	Universidad Metropolitana	ne	228 i	121	43	0	43	0	0
370	U. Northern CO	124	103	224	43	0	24	0	19
371	CUNY Graduate Ctr.	0	0	0	41	0	41	0	0

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
372	Air Force Institute of Technology	62	49	26	40	0	0	0	40
373	Benedict C.	0	10	50	39	0	39	0	0
374	Claremont McKenna C.	ne	ne	ne	39 i	1 i	17 i	6 i	15 i
375	Morehead State U.	290	78	29	39	0	39	0	0
376	Sweet Briar C.	ne	ne	ne	39	0	35	0	4
377	U. of the South	ne	26	50	39	0	0	0	39
378	Winona State U.	ne	ne	ne	37	0	37	0	0
379	Pacific Lutheran U.	0 i	0 i	0 i	36	0	36	0	0
380	Wellesley C.	38	12	17	34	0	34	0	0
381	Indiana U. PA all campuses	53	19	8	32	0	32	0	0
382	CUNY York C.	0	3	27	31	0	31	0	0
383	Drake U.	251	104	61	31	0	0	0	31
384	Denison U.	26	24 i	7	30	0	23	0	7
385	Lewis and Clark C.	0	0	4	30	0	4	0	26
386	William Paterson U. NJ	ne	ne	ne	30 i	1 i	9 i	16 i	4 i
387	Seattle U.	0	24	27 i	29 i	0 i	0 i	0 i	29 i
388	U. Puget Sound	43	58	64	28	0	1	0	27
389	Berry C.	ne	ne	23	27 i	0 i	0 i	0 i	27 i
390	Siena C.	ne	ne	28 i	27 i	2 i	4 i	4 i	17 i
391	CUNY C. Staten Island	3	0	40	26	0	26	0	0
392	U. LA Monroe	185	127	21	26	0	26	0	0
393	Willamette U.	4	9	19	25	0	25	0	0
394	Chapman U.	328	71	94	23	0	23	0	0
395	U. WI Platteville	8 i	9	3	23	0	23	0	0
396	Gettysburg C.	ne	34	6	22	0	0	0	22
397	DePauw U.	18 i	18 i	18 i	20 i	1 i	17 i	0 i	2 i
398	Western IL U.	0	134	96	20	0	20	0	0
399	Northeastern IL U.	128	89	40	19	0	19	0	0
400	CUNY Brooklyn C.	109	74	0	17	17	0	0	0
401	U. of St. Thomas (St. Paul, MN)	0	0	0	17	0	17	0	0
402	Bard C.	ne	15 i	ne	16 i	1 i	7 i	2 i	6 i
403	Ursinus C.	ne	ne	3	16	0	16	0	0
404	Eastern MI U.	30	202	13	15	0	15	0	0
405	TN Technological U.	13	26	7	15	0	15	0	0
406	U. TX Tyler	ne	0	0	14	14	0	0	0
407	Mercyhurst C.	ne	ne	12	13	0	0	0	13
408	U. Portland	0	55	85	12	0	12	0	0
409	Juniata C.	205	167	19	11	0	11	0	0
410	Edward Waters C.	ne	ne	ne	10 i	0 i	5 i	2 i	3 i
411	Point Loma Nazarene C.	0 i	0	0	10	0	0	10	0
412	Seattle Pacific U.	ne	ne	ne	10 i	0 i	5 i	2 i	3 i
413	Youngstown State U.	0	1	1	9	0	9	0	0
414	CA State Polytechnic U. Pomona	0	0	0	8	0	0	0	8
415	U. Richmond	49	9	15	8	0	8	0	0
416	Hendrix C.	87	61	56	7	0	0	0	7
417	Fairfield U.	1	0	0	6	0	0	0	6
418	U. North FL	0	0	9	6	0	0	6	0
419	CA State U. Dominguez Hills	5	89	195	5	0	5	0	0

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
420	Fairleigh Dickinson U. all campuses	ne	ne	ne	5 i	1 i	1 i	2 i	1 i
421	Sonoma State U.	0	0	56	5	0	5	0	0
422	Ft. Lewis C.	14	10	49	4	0	4	0	0
423	Loyola U. New Orleans	0 i	0	0	4	0	0	0	4
424	George Washington U.	375	278	117	3	0	3	0	0
425	La Salle U.	0	ne	0	3	0	0	0	3
426	U. IL Springfield	170	77	7	2	0	2	0	0
427	U. SD	80	109	20	2	0	2	0	0
428	CUNY Baruch C.	2	47	10	1	0	1	0	0
429	Hofstra U.	0 i	0 i	4	1	0	1	0	0
430	New School, The	0	0	0	1	0	0	0	1
431	Trinity C. (Hartford, CT)	82	11	84	1	0	0	0	1
432	Universidad del Este	ne	ne	0	1	0	1	0	0
	All other surveyed institutions	5,144	2,827	2,029	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$22,547 in total R&D expenditures in the environmental sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	1,596,309	1,729,783	1,767,913	1,834,740	386,786	597,139	672,884	177,931
1	Woods Hole Oceanographic Institution	83,639	80,539	81,059	91,173	0	0	91,173	0
2	U. CO all campuses	79,182	99,455	84,416	81,691	39,262	40,456	5	1,968
3	CO State U.	60,312	65,548	69,441	81,028	28,320	52,708	0	0
4	U. WA	71,685	75,755	80,943	79,664	17,564	6,151	50,559	5,390
5	U. CA, San Diego	79,643	76,924	72,956	75,906	2,998	13,668	59,073	167
6	TX A&M U.	43,447	64,192	44,817	75,613	3,383	2,677	64,232	5,321
7	U. WI Madison	43,331	60,035	70,513	64,261	56,468	3,249	369	4,175
8	U. HI Manoa	44,615	48,672	49,973	55,290	1,598	13,073	39,803	816
9	U. AK Fairbanks all campuses	40,062	49,150	54,550	55,250 i	35,659 i	6,601 i	12,990 i	0 i
10	Columbia U. in the City of NY	52,206	58,432	53,940	50,807	5,643	384	40,991	3,789
11	U. NH	38,809	43,379	51,335	47,719	13,496	14,669	19,554	0
12	Johns Hopkins U., The ^a	36,250	40,230	38,434	40,626	8,180 i	2,820 i	13,085 i	16,541 i
13	U. Miami	38,590	40,726	39,090	38,724	22,597	0	13,885	2,242
14	OR State U.	32,270	34,674	35,201	32,165	1,636	1,466	9,781	19,282
15	Desert Research Institute	18,473	23,728	27,838	29,163	8,932	20,231	0	0
16	Harvard U.	13,775	23,765	25,271	25,796	5,118	3,285	126	17,267
17	PA State U. all campuses	22,123	23,480	26,000	25,479	7,610	13,425	4,444	0
18	U. MD Baltimore County	17,575	15,685	19,163	23,856	0	23,856	0	0
19	MA Institute of Technology	24,499	24,097	23,717	23,111	6,099	8,109	7,048	1,855
20	U. RI	22,958	18,997	20,220	21,693	0	1,601	19,624	468
21	U. South FL	21,631	24,623	20,657	19,237	1,046	1,833	16,358	0
22	U. SC all campuses	11,290	11,232	17,948	17,644	0	3,663	4,359	9,622
23	C. of William and Mary all campuses	14,815	15,466	17,625	17,215	0	632	16,442	141
24	U. NV, Las Vegas	11,613 i	13,834	15,989	17,095	0	17,095	0	0
25	Naval Postgraduate School	8,931 i	9,558	13,899	16,183	8,707	0	7,476	0
26	Hampton U.	24,587	87	16,791	15,945	15,723	0	222	0
27	U. IL Urbana-Champaign	16,595	17,340	19,022	15,033	2,166	12,618	205	44
28	CA Institute of Technology	11,340	14,232	14,722	14,907	0	14,907	0	0
29	FL State U.	13,833	14,801	16,035	14,722	7,810	3,482	3,430	0
30	U. TX Austin	12,434	14,336	12,917	14,579	0	10,018	3,548	1,013
31	U. Southern MS	13,097	13,389	13,456	14,233	0	432	13,801	0
32	U. OK all campuses	12,273	13,901	14,226	14,005	11,977	2,028	0	0
33	SUNY Stony Brook all campuses	14,102	13,606	13,695	13,610	0	5,681	7,929	0
34	U. Southern CA	14,623	15,438	14,405	13,569	0	10,478	3,062	29
35	Rutgers, The State U. NJ all campuses	12,875	12,555	11,985	13,483	0	1,346	8,893	3,244
36	U. NC Chapel Hill	12,793	13,672	13,643	13,375	0	10,654	2,721	0
37	U. MD Ctr. for Environmental Science	13,824	13,853	12,860	13,365	0	1,355	12,010	0
38	Stanford U.	12,383	16,881	11,332	12,786	0	11,326	1,460	0
39	LA State U. all campuses	8,281	8,826	13,125	12,759	0	3,288	8,272	1,199
40	AZ State U.	10,980	11,055	11,498	12,551	0	12,551	0	0
41	U. CA, Santa Barbara	12,743	12,792	12,735	12,304	0	2,066	10,094	144
42	U. MD College Park	9,607	10,236	11,791	11,784	2,629	9,155	0	0
43	U. CA, Santa Cruz	11,378	11,270	10,604	11,674	0	3,239	7,416	1,019

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
44	Princeton U.	9,982	10,916	11,743	11,521	3,956	2,611	0	4,954
45	U. ME	12,438	8,626	13,410	11,429	0	4,260	7,165	4
46	GA Institute of Technology all campuses	7,133	6,154	10,973	10,351	8,584	1,516	0	251
47	U. ND all campuses	5,948	4,570	7,298	9,685	3,191	6,285	0	209
48	U. DE	9,200	8,669	8,093	9,609	0	494	9,115	0
49	Duke U.	6,757	7,641	7,919	9,023	0	2,173	1,459	5,391
50	George Mason U.	9,713	8,840	10,112	9,020	2,236	6,784	0	0
51	San Jose State U.	7,123	7,692	10,050	8,690	346	478	7,866	0
52	MI Technological U.	4,162	5,522	5,484	8,625	0	816	0	7,809
53	U. AL Huntsville, The	5,117	5,288	6,727	8,525	8,525	0	0	0
54	U. MI all campuses	4,886	6,093	7,830	8,384	0	8,384	0	0
55	U. Central FL	6,209	7,577	7,398	8,096	8,096	0	0	0
56	U. CA, Los Angeles	12,681	10,999	8,569	7,754	3,603	2,684	0	1,467
57	Boston C.	453 e	5,370	6,288	7,576	0	360	0	7,216
58	MS State U.	3,706	3,770	4,230	7,559	429	4,952	2,178	0
59	U. MS all campuses	0	0	309	7,092	0	2,662	4,430	0
60	U. AZ	7,401	7,190	6,885	7,031	1,634	5,397	0	0
61	U. NV, Reno	5,257	6,475	6,510	6,805	0	5,885	0	920
62	U. MD Biotechnology Institute	4,709	5,275	5,460	6,761	0	0	6,761	0
63	OH State U. all campuses	7,192	6,595	6,396	6,753	0	6,753	0	0
64	NC State U.	5,417	6,557	7,495	6,605	0	0	1,043	5,562
65	U. CA, Davis	10,397	7,572	5,998	6,542	994	2,024	952	2,572
66	U. MA Dartmouth	3,716	4,767	5,281	6,434	0	0	6,434	0
67	U. KS all campuses	4,109	3,511	4,576	6,379	0	6,372	7	0
68	U. FL	5,121	6,346	7,224	6,366	0	3,738	2,602	26
69	U. NC Wilmington	5,280	5,802	6,370	6,341	0	123	6,218	0
70	U. Chicago	4,748	4,992	4,638	6,161	0	6,161	0	0
71	U. CA, Berkeley	4,907	5,056	5,935	5,861	0	5,861	0	0
72	U. MN all campuses	7,030	6,522	6,928	5,474	0	3,275	1,029	1,170
73	U. CT all campuses	5,981	6,752	5,834	5,262	0	2	5,260	0
74	UT State U.	2,891	3,235	5,396	5,202	3,815	1,387	0	0
75	Brown U.	3,730	4,136	4,769	4,740	0	4,682	0	58
76	U. CA, Riverside	4,238	4,384	4,631	4,714	272	3,412	0	1,030
77	Boston U.	3,452	3,876	4,352	4,607	0	2,188	0	2,419
78	WV U.	4,349	4,713	4,697	4,586	0	4,586	0	0
79	IA State U.	3,857	4,466	4,412	4,585	0	4,585	0	0
80	U. NM main campus	3,288	3,976	3,800	4,581	723	3,858	0	0
81	U. WY	3,964 e	5,728	4,529	4,336	3,097	1,239	0	0
82	U. GA	3,914	4,644	4,167	4,325	0	617	3,708	0
83	U. UT	4,180	5,325	4,972	4,244	2,235	2,009	0	0
84	U. VA all campuses	3,473	3,559	3,517	4,107	4,107	0	0	0
85	U. WI Milwaukee	1,685	3,085	3,538	4,045	0	344	2,739	962
86	U. PR Mayaguez Campus	2,227	3,407	3,260	3,921	0	168	3,753	0
87	Yale U.	2,949	3,740	3,686	3,888	855	2,838	78	117
88	Cornell U. all campuses	3,184	3,951	3,984	3,762	0	3,344	256	162
89	U. TX El Paso	2,442	2,342	2,731	3,686	582	1,828	0	1,276
90	Washington U. St. Louis	2,487	3,313	3,169	3,670	0	3,670	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
91	U. CA, Irvine	3,802	2,995	3,577	3,582	0	0	0	3,582
92	Stevens Institute of Technology	7,064	5,154	3,771	3,574	111	38	342	3,083
93	U. NE all campuses	3,086	2,857	3,073	3,553	597	2,956	0	0
94	Purdue U. all campuses	3,181	4,021	4,103	3,366	2,072	1,036	0	258
95	CA State U. Monterey Bay	2,124	2,692	3,077	3,315	30	733	82	2,470
96	Jackson State U.	3,420	4,605	4,074	3,314	40	3,274	0	0
97	U. South AL	1,608	1,231	1,568	3,272	0	931	2,341	0
98	Old Dominion U.	2,472	2,122	3,042	3,131	0	0	3,131	0
99	SUNY Albany	4,024	3,358	3,571	3,084	1,619	1,465	0	0
100	TX Tech U.	6,706	4,576	3,487	2,979	0	353	0	2,626
101	IN U. all campuses	1,837	2,246	2,527	2,880	0	2,522	0	358
102	U. MA Lowell	1,612	2,272	3,440	2,706	0	2,706	0	0
103	FL International U.	12,208	13,078	3,569	2,680	2,558	0	0	122
104	Southern Methodist U.	2,203	2,149	2,488	2,661	0	2,661	0	0
105	FL A&M U.	2,281	3,247	3,797	2,525	0	0	0	2,525
106	VA Polytechnic Institute and State U.	5,445	4,710	2,887	2,516	0	2,516	0	0
107	Syracuse U. all campuses	793	1,669	1,852	2,490	0	1,024	0	1,466
108	U. MA Amherst	1,660	2,294	3,030	2,485	0	2,432	53	0
109	U. OR	1,766	2,209	1,819	2,381	0	1,787	352	242
110	U. TN all campuses	2,227	2,141	3,095	2,356	0	1,324	0	1,032
111	Portland State U.	1,869 e	3,587	2,908	2,261	892	871	67	431
112	C. Charleston	2,190	2,010	2,574	2,249	8	1,083	1,158	0
113	Auburn U. all campuses	472	1,094	1,298	2,179	53	766	0	1,360
114	San Francisco State U.	2,849 i	1,900	4,227	2,079	0	118	1,874	87
115	San Diego State U.	1,356	1,942	2,028	2,061	0	1,683	378	0
116	U. ID	3,052	2,741	2,062	1,983	0	1,471	0	512
117	U. HI Hilo	873	580	3,473	1,967	500	337	504	626
118	U. KY all campuses	1,534	2,311	2,914	1,965	0	1,965	0	0
119	TX A&M U. Corpus Christi	1,044	1,135	2,029	1,913	57	148	1,019	689
120	Southern U. and A&M C. all campuses	945	934 i	1,844	1,912	0	0	0	1,912
121	U. MT-Missoula, The	572	1,117	742	1,881	0	1,718	0	163
122	Rice U.	1,741	1,969	1,899	1,796	0	1,753	0	43
123	Northern IL U.	897	1,017	696	1,736	0	1,736	0	0
124	SUNY C. of Environmental Science and Forestry	326 i	392 i	391 i	1,733	25	167	1,415	126
125	SD School of Mines and Technology	2,603	1,598	1,409	1,728	1,528	200	0	0
126	Central WA U.	1,189	591	935	1,654	0	1,654	0	0
127	U. Memphis, The	1,508	1,422	1,216	1,604	0	1,604	0	0
128	U. Toledo	2,442	2,056	1,765	1,595	0	1,503	9	83
129	FL Gulf Coast U.	785	1,225	1,419	1,563	0	0	1,563	0
130	SUNY Buffalo all campuses	774	1,056	1,054	1,563	0	1,427	0	136
131	Nova Southeastern U.	1,085	1,336	1,276	1,555	0	0	1,555	0
132	Rensselaer Polytechnic Institute	1,917	2,376	1,309	1,536	0	1,536	0	0
133	WA State U.	1,491	1,436	739	1,523	0	616	0	907
134	MT State U. Bozeman	1,001	1,319	1,660	1,484	0	1,484	0	0
135	Northwestern U.	733	1,013	3,408	1,474	0	1,474	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
136	ID State U.	1,270	1,655	1,371	1,403	0	1,403	0	0
137	U. MO-Rolla	2,423	3,035	2,848	1,401	499	902	0	0
138	MT Tech of the U. MT	1,384	1,079	1,489	1,364	220	1,144	0	0
139	U. AR main campus	1,760	1,562	1,317	1,302	0	1,150	0	152
140	Carnegie Mellon U.	219	676	841	1,241	0	0	0	1,241
141	Northern AZ U.	914	1,344	1,062	1,240	0	1,235	0	5
142	U. PR Rio Piedras Campus	1,062	1,033	947	1,209	0	0	0	1,209
143	SD State U.	80	89	318	1,201	0	1,201	0	0
144	U. Pittsburgh all campuses	620	741	986	1,159	0	1,159	0	0
145	Sam Houston State U.	365 i	82	663	1,154	0	1,154	0	0
146	U. Houston	2,399	1,380	1,431	1,151	0	1,151	0	0
147	U. WI Superior	626	659	782	1,141	0	0	1,141	0
148	U. Redlands	1,617	1,110	1,065	1,120	0	1,120	0	0
149	Case Western Reserve U.	738	444	551	1,102	0	1,102	0	0
150	Western MI U.	1,150	1,485	1,010	1,015	0	1,015	0	0
151	U. MO-Columbia	896	1,315	1,158	995	273	722	0	0
152	U. MA Boston	826	744	639	972	0	113	840	19
153	Boise State U.	1,719	3,239	1,720	968	0	968	0	0
154	Sul Ross State U.	0	934	1,022	964	0	964	0	0
155	Western KY U.	2	48	147	940	0	822	0	118
156	U. Rochester	1,007	767	819	898	0	898	0	0
157	Lincoln U. (Jefferson City, MO)	100	234	710	891	0	0	0	891
158	Savannah State U.	1,169	1,464	1,392	863	0	303	560	0
159	U. IL Chicago	1,697	2,350	1,125	862	0	862	0	0
160	TX State U. San Marcos	76	72	209	842	0	0	0	842
161	U. GU	1,222	1,098 i	1,068	830	0	0	513	317
162	Western WA U.	738	851	649	820	0	280	540	0
163	Clark U.	1,033 e	640	908	819	0	500	0	319
164	U. MD Eastern Shore	2,832	3,563	2,400	818	0	0	0	818
165	U. AL, The	1,223	1,380	904	787	0	731	0	56
166	FL Institute of Technology	771	558	694	784	0	0	784	0
167	East Carolina U.	197	761	692	775	105	397	273	0
168	OK State U. all campuses	647	776	520	771	203	498	22	48
169	Lehigh U.	1,791	1,960	999	765	0	765	0	0
170	U. AK Anchorage all campuses	0 i	0	566	757	16	660	73	8
171	CA State Polytechnic U. San Luis Obispo	0	692	988	754	0	0	554	200
172	Oglala Lakota C.	ne	ne	ne	748	0	748	0	0
173	CA State U. Los Angeles	1,001	1,124	977	740	6	74	0	660
174	CO School of Mines	1,436	1,538	635	724	0	724	0	0
175	CA State U. Northridge	888	512	699	707	0	433	274	0
176	St. Louis U. all campuses	786 e	855	862	707	707	0	0	0
177	Coastal Carolina U.	671	407	766	702	0	0	702	0
178	U. WI Green Bay	1,179	858	874	687	0	0	0	687
179	Carleton C.	780	866	713	683	0	683	0	0
180	OH U. all campuses	753	777	359	673	0	673	0	0
181	Dartmouth C.	692	686	690	660	0	525	0	135
182	MI State U.	846	891	602	655	0	655	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
183	Montclair State U.	326 i	606 i	884 i	647 i	0 i	647 i	0 i	0 i
184	SUNY Binghamton	277	315	412	640	0	640	0	0
185	U. WI La Crosse	0	670	560	608	0	608	0	0
186	U. IA	756	1,337	682	562	0	543	0	19
187	Embry-Riddle Aeronautical U.	174	1,097	958 i	561	561	0	0	0
188	Mt. Holyoke C.	520	550	409	551	0	551	0	0
189	James Madison U.	2	3	165	521	363	158	0	0
190	Vanderbilt U.	155	247	341	518	0	518	0	0
191	U. NC Asheville	88	1,055	671	514	426	34	0	54
192	Wright State U. all campuses	162	163	311	505	0	505	0	0
193	FL Atlantic U.	565	408	556	503	74	0	0	429
194	U. WI Stevens Point	107	208	485	498	0	12	313	173
195	U. CA, Merced	na	612	463	486	0	486	0	0
196	Miami U. all campuses	276 i	430 i	422 i	480 i	0 i	480 i	0 i	0 i
197	Millersville U. PA	352 i	384 i	416 i	452	452	0	0	0
198	U. Southern ME	249 i	309 i	366	448	0	0	448	0
199	U. North TX	797	972	625	441	0	441	0	0
200	TX A&M U. System Health Science Ctr.	728	550	1,056	436	0	0	0	436
201	Bowling Green State U. all campuses	170	495	34	432	0	432	0	0
202	Evergreen State C.	28	230	241	430	0	430	0	0
203	Universidad del Turabone	0 i	63	417	81	0	0	336	
204	NM State U. main campus	484	640	925	403	0	379	0	24
205	U. VT	294	613	367	402	0	402	0	0
206	CA State U. East Bay	215 i	177	212	400	0	0	185	215
207	Tarleton State U.	968	1,123	448	396	0	396	0	0
208	U. NC Charlotte	205	239	378	393	0	393	0	0
209	U. PA	128	124	278	380	0	380	0	0
210	Colgate U.	281	270	411	379	9	119	0	251
211	U. TX San Antonio	185	335	454	369	0	269	0	100
212	Southern IL U. Edwardsville	2	174	103	349	0	349	0	0
213	GA Southern U.	467	433	411	346	0	152	1	193
214	Barnard C.	95 e	81	152	339	0	0	0	339
215	Baylor U.	154	215	248	307	0	117	0	190
216	Southern IL U. Carbondale	495	624	766	305	0	305	0	0
217	Tulane U.	511	402	319	305	0	305	0	0
218	DE State U.	0 i	0	0	300	0	0	300	0
219	IN State U. all campuses	236	291	353	300	0	300	0	0
220	Monmouth U.	38 i	57	287	294	0	0	229	65
221	Western Carolina U.	22	0	898	290	0	238	0	52
222	Tufts U.	303	204	224	289	250	39	0	0
223	U. Central AR	306 i	306 i	335 i	273 i	13 i	117 i	118 i	25 i
224	U. TX Arlington	96	172	232	262	0	259	3	0
225	Kent State U. all campuses	615	541	247	261	0	261	0	0
226	TX A&M U. Kingsville	137	258	408	260	0	20	0	240
227	CUNY Hunter C.	97	244	20	254	0	254	0	0
228	SUNY C. Plattsburgh	456	536	495	246	0	15	0	231

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
229	Brigham Young U. all campuses	203	215	251	245	0	245	0	0
230	West TX A&M U.	206	183	213	244	0	0	0	244
231	Middlebury C.	69 i	75 i	81 i	243	0	160	83	0
232	Black Hills State U.	41	16	79	236	155	81	0	0
233	U. Cincinnati all campuses	114	128	201	232	0	232	0	0
234	Humboldt State U.	329 i	327 i	157	223	0	96	127	0
235	Southwest MO State U.	44	68	136	223	0	223	0	0
236	CUNY The City C.	135	112	144	217	0	217	0	0
237	Hobart and William Smith Colleges	ne	ne	ne	215	40	0	0	175
238	Oberlin C.	39	102	260	214	0	213	0	1
239	CA State U. Fullerton	149	99	550	211	0	0	63	148
240	CA State U. San Bernardino	586	250	84	210	103	107	0	0
241	CUNY Medgar Evers C.	88	488	223	210	0	210	0	0
242	U. West GA	120	200	130	210	0	210	0	0
243	Shaw U.	356	284	318	209	0	0	0	209
244	Murray State U.	308	696	254	203	0	203	0	0
245	CA State U. Long Beach	384	464	186	202	0	0	202	0
246	Grand Valley State U.	179	279	159	199	0	199	0	0
247	GA State U.	235	147	86	196	0	196	0	0
248	Rochester Institute of Technology	328	488	186	193	0	0	0	193
249	CUNY Queens C.	321	254	264	191	0	191	0	0
250	Bowdoin C.	321	31	158	188	0	8	180	0
251	CA State U. Bakersfield	178 i	235	200	175	0	175	0	0
252	U. AK Southeast all campuses	93 i	0	117	175	0	80	95	0
253	Sinte Gleska U.	ne	306	582	171	0	171	0	0
254	VA Commonwealth U.	490	445	448	163	0	0	0	163
255	U. Akron all campuses	409	290	140	162	0	162	0	0
256	Hamilton C. (Clinton, NY)	196	281	213	154	0	154	0	0
257	ND State U. all campuses	146	117	153	154	0	154	0	0
258	LA Tech U.	0	112	161	151	0	0	0	151
259	Franklin & Marshall C.	105	144	146	147	0	31	116	0
260	Appalachian State U.	82	52	127	145	0	145	0	0
261	U. San Diego	0	29	82	141	0	0	141	0
262	U. WI Eau Claire	56	103	69	140	0	140	0	0
263	U. New England	ne	ne	273	138	0	53	1	84
264	U. TX-Pan American	155	171	121	136	14	0	122	0
265	McNeese State U.	441	372	258	135	0	135	0	0
266	Roger Williams U. Bristol	280	344	364	135	11	0	124	0
267	St. Francis U. (Loretto, PA)	ne	87	168	135	0	0	0	135
268	U. Louisville	360	400	241	131	0	73	0	58
269	Bryn Mawr C.	108	246	164	130	0	130	0	0
270	U. TX Dallas	2,589	2,713	180	128	0	0	0	128
271	Wesleyan U.	126	198	105	124	0	124	0	0
272	U. Tulsa	149	163	195	122	0	122	0	0
273	Cleveland State U.	247	119	215	121	0	121	0	0
274	U.S. Military Academy	0 i	0 i	0 i	121	0	0	0	121
275	Central State U.	322 i	79	116	116	0	116	0	0
276	Sarah Lawrence C.	ne	ne	0	115	0	115	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
277	Grambling State U.	53	0	0	114	0	0	0	114
278	Eastern KY U.	3	8	21	113	0	113	0	0
279	AR Tech U.	2 i	12 i	89 i	102 i	0 i	102 i	0 i	0 i
280	NM Highlands U.	140	34	0	99	0	99	0	0
281	KS State U.	280	241	331	97	0	97	0	0
282	Lafayette C.	20	51	59	97	0	97	0	0
283	Jacksonville State U.	ne	28	118	95	0	95	0	0
284	Hampshire C.	155	148	107	94	0	7	0	87
285	SUNY C. Brockport	0	1	0	94	0	2	0	92
286	WV State U.	28	24	0	94	0	94	0	0
287	Union C. (Schenectady, NY)	6	29	98	92	0	92	0	0
288	SUNY C. Buffalo	178	994	171	86	0	55	0	31
289	Whitman C.	308	234	232	83	0	0	83	0
290	Vassar C.	0 i	0	0	81	0	81	0	0
291	Creighton U.	133	148	96	79	79	0	0	0
292	Southern OR U.	0	61	98	75	0	0	0	75
293	Dickinson C.	16	0	22	74	0	64	0	10
294	U.S. Naval Academy	203	308	59	73	0	0	73	0
295	Eastern IL U.	0 i	0 i	0 i	71	19	52	0	0
296	Occidental C.	55 i	119	89	71	0	71	0	0
297	SUNY C. Cortland	33	74	115	71	0	71	0	0
298	DePaul U.	19	49	72	65	0	0	0	65
299	NM Institute of Mining and Technology	1,259	2,806 i	44	64	0	0	0	64
300	Bridgewater State C.	5	0	47	62 i	0 i	62 i	0 i	0 i
301	U. DC	79	187	138	62	62	0	0	0
302	Elizabeth City State U.	152	217	74	61	0	57	4	0
303	Lawrence U.	11 i	11 i	25	61	0	0	61	0
304	Williams C.	44 i	60 i	73 i	59 i	27 i	20 i	0 i	12 i
305	Temple U.	183	85	164	58	0	58	0	0
306	U. NC Pembroke	ne	ne	0	58	0	0	58	0
307	Northeastern U.	0	0	122	57	0	0	57	0
308	Augustana C. (Rock Island, IL)	75	48	61	56 i	0 i	56 i	0 i	0 i
309	Northern MI U.	38 i	40 i	42 i	56	0	56	0	0
310	Furman U.	141	173	134	53	0	53	0	0
311	Trinity U.	2	22	22	52	0	52	0	0
312	Wilkes U.	0	ne	49	51	0	51	0	0
313	Bates C.	200	151	80	49	0	49	0	0
314	SUNY C. Oswego	29	68	18	49	0	49	0	0
315	Central MI U.	45	62	69	48	0	48	0	0
316	Santa Clara U.	ne	46 i	47 i	47 i	6 i	16 i	14 i	11 i
317	MT State U. Billings	ne	127 i	68	46	0	0	0	46
318	U. New Haven	0 i	0	ne	45	0	0	45	0
319	Macalester C.	21	20	238	44	0	44	0	0
320	Mills C.	ne	ne	43 i	44 i	0 i	33 i	5 i	6 i
321	Universidad Metropolitana	ne	228 i	121	43	0	43	0	0
322	CUNY Graduate Ctr.	0	0	0	41	0	41	0	0
323	Hope C.	34	78	80	41	0	41	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
324	Eastern WA U.	0	42	42	40	0	40	0	0
325	Allegheny C.	14	9	59	39	0	9	0	30
326	Claremont McKenna C.	ne	ne	ne	39 i	1 i	17 i	6 i	15 i
327	TX Christian U.	18	0	43	39	0	39	0	0
328	Alfred U. all campuses	29	0	102	37	1	36	0	0
329	Gustavus Adolphus C.	74	96	103	36	0	10	0	26
330	U. Northern CO	110	91	173	36	0	23	0	13
331	U.S. Coast Guard Academy	0	0	0	35	0	35	0	0
332	Benedict C.	0	10	42	34	0	34	0	0
333	U. WI Oshkosh	33	0	0	33	0	33	0	0
334	Smith C.	30	21	72	31	0	31	0	0
335	Lamar U.	1,051	491	374	30	0	0	0	30
336	Pomona C.	39	25	23	29	0	29	0	0
337	Seattle U.	0	24	27 i	29 i	0 i	0 i	0 i	29 i
338	C. Wooster	23 i	39 i	42 i	28	0	28	0	0
339	Siena C.	ne	ne	28 i	25 i	2 i	4 i	4 i	15 i
340	Wellesley C.	38	12	16	25	0	25	0	0
341	Amherst C.	103	60	144	22	0	22	0	0
342	Colby C.	26	35	50	20	0	20	0	0
343	DePauw U.	18 i	18 i	18 i	20 i	1 i	17 i	0 i	2 i
344	Denison U.	26	24 i	1	19	0	19	0	0
345	Air Force Institute of Technology	36	43	26	18	0	0	0	18
346	Marshall U.	0	0	22	18	0	18	0	0
347	William Paterson U. NJ	ne	ne	ne	17 i	1 i	5 i	8 i	3 i
348	Bard C.	ne	15 i	ne	16 i	1 i	7 i	2 i	6 i
349	Indiana U. PA all campuses	23	4	2	16	0	16	0	0
350	Ursinus C.	ne	ne	3	16	0	16	0	0
351	U. of St. Thomas (St. Paul, MN)	0	0	0	15	0	15	0	0
352	Ball State U.	7	0	0	14	0	14	0	0
353	U. TX Tyler	ne	0	0	14	14	0	0	0
354	Wichita State U.	27	33	14	14	0	14	0	0
355	Drake U.	235	73	51	13	0	0	0	13
356	IL State U.	30	21	14	13	0	13	0	0
357	U. NC Greensboro	0	0	0	13	0	13	0	0
358	U. Houston-Clear Lake	5	0	8	12	0	0	0	12
359	U. Portland	0	55	85	12	0	12	0	0
360	Morehead State U.	263	5	0	11	0	11	0	0
361	U. LA Lafayette	39	14	9	11	0	11	0	0
362	Gettysburg C.	ne	0	0	10	0	0	0	10
363	Stephen F. Austin State U.	0	0	0	10	0	0	0	10
364	Western IL U.	0	0	0	9	0	9	0	0
365	Youngstown State U.	0	0	1	9	0	9	0	0
366	CA State Polytechnic U. Pomona	0	0	0	8	0	0	0	8
367	St. Cloud State U.	142	97	24	8	0	8	0	0
368	Hendrix C.	87	61	56	7	0	0	0	7
369	Wayne State U.	36	62	35	5	0	5	0	0
370	CA State U. Chico	0 i	4	4 i	4 i	0 i	0 i	0 i	4 i
371	Ft. Lewis C.	7	10	5	4	0	4	0	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2007 environmental sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
372	Lewis and Clark C.	0	0	0	4	0	4	0	0
373	Pace U. all campuses	10	120	153	4	0	0	0	4
374	U. WI Parkside	4	2	18	4	0	4	0	0
375	U. of the South	ne	5	11	3	0	0	0	3
376	George Washington U.	283	214	62	2	0	2	0	0
377	U. San Francisco	0	0	9	2	0	0	0	2
378	U. SD	80	109	20	2	0	2	0	0
379	Seattle Pacific U.	ne	ne	ne	1 i	0 i	0 i	0 i	1 i
380	Universidad del Este	ne	ne	0	1	0	1	0	0
381	U. North FL	0	0	0	1	0	0	1	0
382	U. Puget Sound	43	49	36	1	0	1	0	0
	All other surveyed institutions	4,834	4,604	2,582	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$22,375 in federally financed R&D expenditures in the environmental sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	25,949,029	27,603,367	28,802,466	29,763,889	2,901,631	9,217,644	16,514,708	1,129,906
1	U. CA, San Francisco	698,712	728,403	770,485	820,239	0	28,606	791,633	0
2	Johns Hopkins U., The ^a	619,835	674,083	702,207	692,380	0	192,686	470,397	29,297
3	Duke U.	427,955	528,719	553,834	669,354	0	106,088	559,803	3,463
4	U. CA, Los Angeles	562,755	585,436	609,514	612,248	0	20,469	591,779	0
5	U. WI Madison	473,733	488,831	508,034	541,332	42,913	185,569	307,521	5,329
6	U. PA	480,121	528,225	546,624	525,729	1,014	175,535	333,479	15,701
7	Washington U. St. Louis	443,901	477,021	490,846	515,165	0	194,937	315,077	5,151
8	U. WA	481,620	485,173	541,524	513,821	13,479	85,218	405,409	9,715
9	U. Pittsburgh all campuses	396,405	449,147	458,627	489,305	0	17,612	459,260	12,433
10	U. MI all campuses	441,349	492,195	481,245	480,044	9,222	118,489	275,750	76,583
11	U. MN all campuses	382,932	403,919	434,861	455,889	72,977	81,490	291,585	9,837
12	U. CA, San Diego	359,714	381,402	404,236	446,301	34	38,380	406,734	1,153
13	U. CA, Davis	381,707	404,872	425,934	441,417	125,185	137,106	179,126	0
14	Baylor C. of Medicine	476,075	458,694	462,375	438,280	0	218,881	219,399	0
15	U. TX M. D. Anderson Cancer Ctr.	317,612	344,804	402,469	434,713	0	157,664	277,049	0
16	U. FL	311,513	370,708	390,097	418,136	144,699	108,994	142,676	21,767
17	Cornell U. all campuses	356,441	376,860	411,148	409,577	85,636	86,088	237,853	0
18	Stanford U.	373,952	392,129	389,093	407,985	0	21,662	386,323	0
19	OH State U. all campuses	288,853	340,909	373,349	397,652	59,270	96,934	235,043	6,405
20	Yale U.	366,999	374,599	402,060	397,064	2,662	129,724	264,678	0
21	Columbia U. in the City of NY	322,159	363,922	367,877	380,740	0	135,089	241,740	3,911
22	U. NC Chapel Hill	321,080	339,452	349,179	371,745	0	180,232	167,194	24,319
23	Emory U.	298,183	319,795	330,039	362,271	0	153,488	204,846	3,937
24	Scripps Research Institute, The	307,910	330,170	367,375	360,511	0	360,511	0	0
25	U. MD Baltimore	317,293	304,396	405,260	358,851	0	53,828	287,081	17,942
26	U. TX Southwestern Medical Ctr. Dallas	314,403	320,800	333,237	341,090	0	145,683	194,997	410
27	U. AL Birmingham, The	288,286	297,702	312,118	333,758	0	88,108	243,376	2,274
28	U. Cincinnati all campuses	234,726	244,581	251,055	322,426	0	91,109	220,755	10,562
29	U. Southern CA	233,541	249,108	256,515	321,959	0	16,999	294,385	10,575
30	Vanderbilt U.	250,014	275,664	303,452	320,632	0	130,808	179,049	10,775
31	Case Western Reserve U.	179,087	268,303	312,695	316,777	0	73,070	234,282	9,425
32	Northwestern U.	250,795	270,379	300,157	316,703	0	89,299	216,044	11,360
33	Harvard U.	351,469	324,112	312,303	314,166	0	106,007	208,078	81
34	U. CO all campuses	272,329	282,598	287,983	294,574	25	60,264	221,115	13,170
35	U. IA	247,550	265,701	274,029	284,969	0	59,204	186,605	39,160
36	U. AZ	255,588	278,726	253,309	275,212	70,941	88,319	114,639	1,313
37	Mt. Sinai School of Medicine	212,786	225,293	273,216	269,451	0	79,439	190,012	0
38	U. IL Chicago	232,069	239,554	257,615	268,553	0	72,521	183,983	12,049
39	U. Rochester	218,269	231,559	234,547	246,393	0	58,446	182,101	5,846
40	OR Health & Science U.	204,065	226,827	236,976	244,734	0	101,710	129,121	13,903
41	LA State U. all campuses	223,668	229,138	224,621	242,931	71,264	110,766	59,734	1,167
42	U. KY all campuses	206,585	214,451	230,681	240,818	55,315	68,073	110,246	7,184
43	NY U.	209,064	223,974	229,797	237,400	0	88,914	133,903	14,583
44	U. of Medicine and Dentistry NJ	209,134	239,778	245,771	236,834	0	92,477	144,357	0
45	U. Chicago	198,802	214,274	216,635	232,868	0	80,394	149,173	3,301
46	U. GA	218,663	222,793	224,426	231,955	98,200	93,005	36,435	4,315
47	U. NE all campuses	202,657	232,085	221,599	220,180	56,917	102,465	53,251	7,547

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
48	MI State U.	203,707	205,932	222,066	219,429	86,662	101,268	27,754	3,745
49	Rockefeller U.	177,963	185,329	198,779	216,284	0	205,475	10,809	0
50	SUNY Buffalo all campuses	185,181	191,492	212,496	213,681	0	56,996	148,332	8,353
51	U. CA, Irvine	171,927	180,436	194,827	207,120	0	106,557	100,563	0
52	PA State U. all campuses	198,726	198,841	200,986	202,986	76,713	42,988	83,285	0
53	IN U. all campuses	233,402	208,902	227,786	202,703	0	77,022	118,478	7,203
54	Yeshiva U.	183,253	193,104	189,416	192,199	0	0	192,199	0
55	MA Institute of Technology	130,170	165,968	172,631	191,916	0	167,642	16,533	7,741
56	U. TX Health Science Ctr. Houston	147,328	152,631	175,154	191,724	0	22,983	96,945	71,796
57	TX A&M U.	167,704	171,899	189,069	188,462	85,810	40,690	61,962	0
58	U. South FL	169,407	172,849	193,977	188,046	0	14,959	172,891	196
59	Wayne State U.	182,077	178,254	177,619	187,060	0	42,918	132,442	11,700
60	Medical U. SC	163,179	177,965	175,914	184,470	0	62,519	69,722	52,229
61	Purdue U. all campuses	163,164	165,984	175,631	182,894	106,595	42,430	24,189	9,680
62	Wake Forest U.	130,677	181,685	178,074	181,642	0	782	180,860	0
63	U. TX Medical Branch	164,172	171,114	177,365	181,249	0	81,943	99,306	0
64	U. CA, Berkeley	178,073	183,129	180,737	174,792	65,749	54,635	54,408	0
65	U. MO-Columbia	165,113	166,138	169,710	169,206	53,669	53,736	54,821	6,980
66	NC State U.	145,675	145,877	162,953	168,872	78,860	81,256	0	8,756
67	VA Polytechnic Institute and State U.	115,882	129,454	150,604	167,765	91,752	57,746	14,141	4,126
68	U. UT	154,617	163,694	165,066	164,893	0	44,014	95,170	25,709
69	U. CT all campuses	150,176	156,803	154,635	161,722	9,435	67,521	80,925	3,841
70	U. TX Health Science Ctr. San Antonio	137,039	142,375	150,040	160,282	0	55,568	101,584	3,130
71	U. VA all campuses	155,682	162,677	168,222	159,765	0	56,905	101,489	1,371
72	Boston U.	164,576	168,421	169,662	158,473	0	7,592	149,182	1,699
73	Medical C. WI	139,235	143,540	147,140	158,171	0	45,620	112,551	0
74	Rutgers, The State U. NJ all campuses	144,974	153,739	154,884	157,977	39,080	76,808	22,972	19,117
75	U. MA Worcester	169,090	176,349	156,452	157,469	0	56,562	82,470	18,437
76	U. KS all campuses	128,426	135,960	137,286	146,357	834	84,259	38,514	22,750
77	U. Miami	131,424	143,165	147,260	146,063	0	25,738	119,667	658
78	Dartmouth C.	120,511	129,639	140,264	140,106	0	7,325	132,781	0
79	U. TN all campuses	131,621	143,820	141,455	140,018	40,024	50,692	47,071	2,231
80	U. IL Urbana-Champaign	131,495	134,291	128,733	138,193	57,552	64,368	6,412	9,861
81	WA State U.	109,290	110,356	124,270	129,984	60,532	57,728	6,164	5,560
82	Tulane U.	107,440	122,618	101,539	122,855	0	31,020	25,558	66,277
83	U. Louisville	92,381	105,077	108,833	120,424	32	17,106	92,030	11,256
84	Georgetown U.	111,732	110,052	105,029	120,423	0	13,916	99,706	6,801
85	CO State U.	96,374	101,279	110,143	117,891	31,585	25,071	60,311	924
86	VA Commonwealth U.	113,794	125,944	130,067	111,746	0	44,232	59,967	7,547
87	IA State U.	103,733	106,565	111,494	111,538	54,882	39,020	12,199	5,437
88	OR State U.	100,349	103,729	108,074	108,754	60,671	42,113	4,634	1,336
89	U. AR for Medical Sciences	74,063	90,987	107,871	108,551	0	42,334	62,454	3,763
90	SUNY Stony Brook all campuses	116,965	118,250	97,924	107,738	0	53,799	53,795	144
91	Thomas Jefferson U.	112,078	107,388	106,986	107,288	0	49,720	55,675	1,893
92	MS State U.	94,584	97,315	98,183	105,564	92,083	4,415	5,225	3,841
93	U. NM main campus	90,392	108,297	109,570	104,285	17	32,132	68,147	3,989

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
94	Tufts U.	101,374	102,078	101,279	104,040	49	81,748	22,169	74
95	SUNY Albany	90,232	102,721	96,729	102,740	0	97,165	5,084	491
96	U. OK all campuses	87,944	97,497	101,346	100,945	0	40,696	56,387	3,862
97	U. VT	99,972	102,016	107,137	98,031	9,252	31,469	46,529	10,781
98	U. HI Manoa	99,014	84,326	83,980	90,518	17,993	7,424	57,078	8,023
99	WV U.	61,925	71,207	79,957	85,132	22,479	16,527	41,862	4,264
100	Rush U.	86,802	81,032	81,159	82,539	0	19,366	61,052	2,121
101	KS State U.	78,673	80,444	79,617	81,631	52,359	28,229	1,043	0
102	Brown U.	68,879	71,997	82,681	79,473	0	35,240	17,026	27,207
103	U. MS all campuses	52,366	64,436	64,905	77,154	0	9,851	42,897	24,406
104	TX A&M U. System Health Science Ctr.	61,405	70,696	74,132	76,983	478	221	76,284	0
105	Auburn U. all campuses	79,811	80,632	80,290	75,450	54,826	16,383	2,119	2,122
106	MT State U. Bozeman	58,661	70,876	71,686	69,880	53,630	14,501	946	803
107	U. CA, Riverside	58,891	66,421	64,407	68,274	11,896	53,697	2,681	0
108	U. MD College Park	58,758	61,801	60,333	66,733	43,584	15,576	0	7,573
109	Uniformed Services U. of the Health Sciences	89,850	78,608	63,175	64,988	0	8,234	56,754	0
110	Temple U.	53,739	56,742	56,304	63,124	581	20,393	34,944	7,206
111	OK State U. all campuses	58,529	59,077	60,369	62,334	34,038	24,073	4,029	194
112	Medical C. GA	58,808	67,278	61,174	60,001	0	43,819	15,015	1,167
113	U. AR main campus	56,053	56,408	59,420	59,797	55,378	3,030	0	1,389
114	ND State U. all campuses	56,857	56,939	58,219	58,444	46,401	4,608	7,435	0
115	Clemson U.	49,788	49,709	52,287	57,090	32,694	20,763	2,027	1,606
116	AZ State U.	29,588	45,181	46,523	53,252	879	43,875	0	8,498
117	U. ID	55,187	53,851	55,712	52,689	31,538	16,796	4,355	0
118	U. CA Office of the President	56,382	59,470	54,580	52,342	4,867	3,673	43,802	0
119	Charles R. Drew U. of Medicine and Science	51,994	43,231	47,188	52,118	0	0	52,118	0
120	St. Louis U. all campuses	39,869 e	45,844	46,044	51,432	0	907	39,240	11,285
121	U. MA Amherst	34,791	37,850	42,796	50,796	20,795	22,757	5,401	1,843
122	U. TX Austin	44,309	48,211	48,983	50,210	198	31,596	17,679	737
123	George Washington U.	42,195	44,412	44,856	49,146	0	14,971	34,175	0
124	U. MD Biotechnology Institute	37,073	44,838	47,012	47,699	15,067	26,586	0	6,046
125	CA Institute of Technology	44,270	44,305	44,259	47,522	0	47,522	0	0
126	Drexel U.	35,854	41,882	48,341	46,819	0	24,025	21,335	1,459
127	U. NV, Reno	48,236	52,114	47,284	45,392	16,813	21,313	7,256	10
128	UT State U.	45,921	47,663	51,247	44,797	31,572	9,330	3,846	49
129	U. SC all campuses	38,926	39,742	40,297	41,304	0	10,571	30,733	0
130	Southern IL U. Carbondale	32,716	36,055	40,662	41,002	8,925	8,560	22,832	685
131	SUNY Upstate Medical U.	32,090	34,931	37,181	39,699	0	10,497	29,202	0
132	U. WY	27,752 e	33,885	51,003	38,911	18,540	15,161	5,210	0
133	U. PR Medical Sciences Campus	34,092	35,809	38,424	38,863	0	0	38,863	0
134	Princeton U.	38,198	41,607	38,653	38,002	0	38,002	0	0
135	U. MT-Missoula, The	33,350	36,797	35,129	37,807	9,805	15,189	11,263	1,550
136	NM State U. main campus	25,766	29,198	39,624	37,046	32,711	3,999	0	336
137	U. ME	31,107	26,774	37,181	35,016	18,256	13,609	37	3,114
138	NY Medical C.	33,521	32,460	34,397	34,365	0	26,117	8,248	0
139	Loyola U. Chicago	34,145	36,593	35,999	33,473	0	10,783	21,185	1,505

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
140	U. AK Fairbanks all campuses	29,193	29,679	33,673	33,230 i	14,592 i	18,638 i	0 i	0 i
141	Meharry Medical C.	27,507	29,105	32,878	33,218	0	28,572	2,691	1,955
142	Eastern VA Medical School	33,798	33,721	33,013	31,453	0	5,761	25,492	200
143	SD State U.	25,363	26,556	27,454	31,401	22,227	3,953	533	4,688
144	FL State U.	32,559	29,859	30,403	30,293	0	18,658	7,412	4,223
145	SUNY Health Science Ctr. Brooklyn	30,207 i	29,732	31,064	29,809	0	10,621	19,188	0
146	Wright State U. all campuses	21,437	25,393	30,574	29,416	0	2,386	26,430	600
147	U. DE	25,244	26,600	28,596	29,165	17,998	6,884	0	4,283
148	U. Toledo	4,173	6,399	7,285	28,700	3,272	16,354	8,325	749
149	U. LA Lafayette	35,099	24,391	26,583	28,555	257	3,379	22,926	1,993
150	Howard U.	27,232	29,602	25,284	28,407	0	16,140	12,013	254
151	U. North TX Health Science Ctr. Ft. Worth	18,520	22,325	25,124	28,187	0	23,069	5,118	0
152	Loma Linda U.	29,648	29,898	32,234	27,887	0	8,685	19,202	0
153	Morehouse School of Medicine	33,317	30,652	28,378	27,886	0	3,293	24,593	0
154	Creighton U.	25,142	26,438	24,782	27,746	0	8,075	19,586	85
155	Brandeis U.	27,311	29,005	27,465	27,422	0	27,422	0	0
156	U. OR	24,593	27,504	26,700	26,694	0	10,461	15,211	1,022
157	FL International U.	15,633	18,864	12,041	25,765	6,006	12,092	7,589	78
158	U. RI	18,449	17,847	23,481	25,456	10,179	3,094	8,090	4,093
159	San Diego State U.	25,707	30,843	27,140	23,791	0	12,368	8,153	3,270
160	U. NH	26,522	26,760	24,281	23,542	9,820	11,228	0	2,494
161	GA State U.	14,509	17,160	19,700	22,473	0	12,690	7,866	1,917
162	U. MO-Kansas City	24,032	23,623	20,764	22,225	0	5,301	16,067	857
163	TX Tech U. Health Science Ctr.	19,827	18,697	22,013	21,006	0	9,748	11,258	0
164	GA Institute of Technology all campuses	16,907	17,666	19,064	19,675	379	15,456	3,667	173
165	Northeastern U.	8,253	14,933	17,354	19,596	0	10,449	4,534	4,613
166	TX Tech U.	16,059	17,174	19,690	18,880	14,281	4,360	0	239
167	U. SD	11,935	15,790	19,340	18,354	0	956	17,296	102
168	Northern AZ U.	13,724	15,275	19,484	18,327	4,658	13,250	31	388
169	U. South AL	14,494	13,881	13,242	18,098	0	9,588	2,901	5,609
170	Southern IL U. Edwardsville	2,582	3,477	12,557	17,982	12,373	1,991	1,350	2,268
171	U. Southern ME	3,686 i	4,380 i	5,071	17,668	1,476	5,894	8,440	1,858
172	U. ND all campuses	15,835	14,626	15,649	17,444	0	2,273	12,602	2,569
173	U. of Notre Dame	12,420	13,894	14,692	16,863	0	16,488	375	0
174	U. TX El Paso	6,851	8,221	11,061	16,766	0	3,880	10,531	2,355
175	U. Houston	15,760	18,425	16,310	15,991	0	6,034	9,519	438
176	U. TX San Antonio	7,720	11,308	15,127	15,963	0	15,963	0	0
177	Albany Medical C.	15,562	15,465	16,227	15,029	0	14,541	488	0
178	U. CA, Santa Cruz	13,693	13,424	14,785	14,626	2,715	11,911	0	0
179	Marshall U.	10,516	12,919	10,845	13,939	0	1,650	12,289	0
180	NC Agricultural and Technical State U.	9,048	10,754	12,114	12,420	10,856	1,438	126	0
181	East Carolina U.	11,153	11,578	11,274	11,852	370	6,929	1,923	2,630
182	Rosalind Franklin U. of Medicine and Science	10,095	11,669	10,963	11,468	0	11,394	74	0
183	SUNY C. of Environmental Science and Forestry	9,179 i	7,593 i	8,259 i	11,257	3,455	7,802	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
184	Rice U.	9,663	10,595	10,546	10,474	0	10,412	62	0
185	CUNY Hunter C.	12,552	11,859	11,469	10,258	0	10,258	0	0
186	Tuskegee U.	7,803	7,429	7,923	9,743	3,313	292	4,384	1,754
187	OH U. all campuses	9,623	11,747	10,270	9,701	0	6,399	1,505	1,797
188	Jackson State U.	8,565	11,151	11,047	9,602	173	5,024	4,405	0
189	IL Institute of Technology	4,877	4,818	7,549	9,462	0	9,462	0	0
190	Universidad Central del Caribe	9,797	9,181	8,790	9,446	0	0	9,446	0
191	Ponce School of Medicine	10,140	7,840	7,654	9,103	0	0	9,103	0
192	TX A&M U. Kingsville	8,183	10,007	9,360	9,074	6,384	2,690	0	0
193	Alcorn State U.	7,622	6,256	6,593	9,056	9,056	0	0	0
194	FL A&M U.	21,046	16,280	20,206	8,733	7,237	694	802	0
195	U. WI Milwaukee	3,322	5,866	6,388	8,515	0	1,802	0	6,713
196	TN State U.	7,683	7,779	7,834	8,459	6,499	963	0	997
197	AL A&M U.	13,288	12,300	9,443	7,900	7,823	77	0	0
198	Brigham Young U. all campuses	5,446	6,028	7,189	7,660	1,546	5,233	0	881
199	U. Southern MS	6,545	7,145	8,742	7,620	0	5,905	582	1,133
200	CUNY The City C.	5,847	7,487	6,749	7,511	0	5,218	287	2,006
201	Prairie View A&M U.	5,993	6,727	6,283	7,440	7,174	266	0	0
202	VA State U.	5,645	4,858	7,984	7,002	6,907	95	0	0
203	ID State U.	5,323	5,730	5,935	6,948	0	3,389	3,448	111
204	Carnegie Mellon U.	7,028	6,059	5,767	6,865	0	5,433	79	1,353
205	U. Memphis, The	6,975	7,385	6,791	6,859	0	3,960	0	2,899
206	East TN State U.	6,292	6,555	6,423	6,489	0	2,586	3,903	0
207	George Mason U.	6,908	5,329	8,869	6,461	0	4,460	877	1,124
208	U. CA, Santa Barbara	4,586	5,169	5,737	6,338	0	6,338	0	0
209	FL Atlantic U.	7,115	8,266	8,269	6,310	0	2,329	3,981	0
210	U. of the VI	9,685	7,498	7,552	6,283	0	0	0	6,283
211	Old Dominion U.	2,256	4,029	5,273	6,250	0	3,639	1,804	807
212	CUNY Queens C.	3,797	3,977	4,859	6,230	0	451	0	5,779
213	U. GU	5,496	4,958 i	6,345	6,110	3,997	81	954	1,078
214	San Francisco State U.	11,398 i	7,369	6,871	5,944	0	3,540	2,404	0
215	U. NV, Las Vegas	6,107 i	6,923	10,531	5,912	0	3,290	323	2,299
216	Portland State U.	3,377 e	4,545	6,041	5,833	55	4,029	0	1,749
217	U. TX Dallas	7,198	8,465	5,433	5,782	0	4,001	1,781	0
218	U. AR Pine Bluff	5,687	5,889	6,318	5,646	5,535	111	0	0
219	Boston C.	4,395 e	4,377	4,885	5,611	0	3,519	0	2,092
220	U. Central FL	9,955	11,222	4,945	5,597	0	3,043	844	1,710
221	Miami U. all campuses	3,525 i	4,314 i	4,542 i	5,537 i	0 i	5,537 i	0 i	0 i
222	U. MA Boston	2,596	2,768	2,626	5,517	0	2,345	2,984	188
223	Wichita State U.	1,747	1,075	1,303	5,515	0	1,015	253	4,247
224	U. MD Baltimore County	3,521	11,175	10,110	5,455	0	5,455	0	0
225	Duquesne U.	5,171	5,493	5,327	5,317	0	2,020	2,406	891
226	Northeastern OH Universities C. of Medicine	5,601	5,703	5,294	4,984	0	4,955	29	0
227	U. NC Wilmington	4,548	7,521	3,495	4,866	1,400	2,880	586	0
228	U. MA Lowell	3,918	3,944	4,111	4,814	0	1,378	0	3,436
229	U. HI Hilo	3,447	8,104	1,771	4,756	1,012	2,185	903	656
230	CA State U. Fresno	11,798	9,191	8,984	4,572 i	3,633 i	825 i	0 i	114 i
231	Tarleton State U.	4,053	4,965	5,267	4,526	4,468	58	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
232	CA State U. Los Angeles	2,062	2,778	1,461	4,456	0	4,442	0	14
233	Langston U.	3,578	4,371	4,416	4,405	4,405	0	0	0
234	Rensselaer Polytechnic Institute	956	1,159	3,573	4,352	0	4,352	0	0
235	DE State U.	4,055 i	4,068	4,867	4,250	2,440	1,810	0	0
236	U. AL, The	3,541	3,578	3,860	4,243	0	2,692	774	777
237	Humboldt State U.	3,691 i	3,784 i	4,266	4,223	487	3,736	0	0
238	Ball State U.	3,249	4,095	4,991	4,055	70	1,943	798	1,244
239	CA State Polytechnic U. San Luis Obispo	4,921	4,758	5,221	4,032	3,686	346	0	0
240	Marquette U.	3,469	4,031	4,720	3,928	0	2,051	1,318	559
241	Clark Atlanta U.	3,919	4,057	3,452	3,903	0	3,903	0	0
242	NC Central U.	3,134 i	3,654 i	3,772	3,883	0	3,762	121	0
243	Kent State U. all campuses	2,702	2,582	3,076	3,828	0	2,931	897	0
244	U. MO-St. Louis	5,762	5,046	4,664	3,776	1	2,686	510	579
245	Boise State U.	2,326	1,238	1,982	3,715	0	2,762	829	124
246	Western MI U.	2,776	3,589	3,492	3,646	0	2,008	26	1,612
247	Mercer U. all campuses	3,569	3,896	4,420	3,590	0	60	2,540	990
248	Stephen F. Austin State U.	3,336	3,554	5,402	3,576	1,869	1,617	90	0
249	TX A&M U. Corpus Christi	600	1,264	2,677	3,544	1	1,059	2,484	0
250	St. Francis U. (Loretto, PA)	ne	4,894	3,946	3,542	0	0	0	3,542
251	KY State U.	3,148	2,957	3,297	3,511	3,281	211	0	19
252	U. NC Charlotte	3,090	2,999	3,783	3,472	0	2,645	0	827
253	U. NC Greensboro	2,816	2,953	4,197	3,443	0	2,227	0	1,216
254	Northern IL U.	1,842	3,202	2,759	3,380	0	1,415	1,843	122
255	Wesleyan U.	3,666	3,675	3,724	3,358	0	3,358	0	0
256	U. North TX	1,857	2,572	2,851	3,348	0	3,019	13	316
257	Albany C. of Pharmacy	855	2,565	2,307	3,248	0	0	3,248	0
258	IL State U.	2,796	3,557	3,547	3,212	528	2,439	0	245
259	TX Southern U.	3,804	3,231	2,016	3,160	0	3,160	0	0
260	Lincoln U. (Jefferson City, MO)	2,076	2,384	2,797	3,159	3,159	0	0	0
261	AR State U. main campus	3,786	2,357	2,302	3,041	1,337	1,704	0	0
262	CA State U. Long Beach	2,731	3,218	3,138	3,028	0	2,241	170	617
263	U. AK Anchorage all campuses	0 i	0	4,062	2,896	145	904	1,371	476
264	U. CA, Merced	na	1,311	2,333	2,891	0	2,891	0	0
265	West TX A&M U.	1,583	1,984	2,829	2,837	2,434	359	44	0
266	U. PR Rio Piedras Campus	2,645	5,893	3,391	2,810	0	2,810	0	0
267	Oakland U.	2,684	2,346	3,099	2,742	0	497	0	2,245
268	Fordham U.	1,132	1,342	2,317	2,669	0	2,293	376	0
269	Spelman C.	1,442	1,690	1,889	2,641	0	2,039	222	380
270	Morgan State U.	1,323	1,321	2,296	2,632	1,074	1,282	257	19
271	WV State U.	1,305	2,374	2,467	2,632	2,355	63	214	0
272	Ft. Valley State U.	2,596	2,497	2,570	2,610	2,610	0	0	0
273	LA Tech U.	2,690	2,979	3,399	2,610	852	880	652	226
274	Syracuse U. all campuses	3,772	3,247	2,748	2,600	0	2,564	31	5
275	Xavier U. LA	3,429	2,937 i	2,274	2,573	0	202	2,371	0
276	SUNY Binghamton	3,244	2,184	2,701	2,500	0	1,952	0	548
277	CUNY York C.	1,536	1,421	1,455	2,476	0	2,470	0	6
278	U. of the Pacific	1,999	2,316	2,369	2,435	0	149	2,286	0
279	Cleveland State U.	2,135	2,946	3,363	2,433	0	2,179	57	197

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
280	U. West FL	569	2,078	1,713	2,417	167	2,060	0	190
281	Baylor U.	805	1,843	2,036	2,408	0	1,292	0	1,116
282	CA State Polytechnic U. Pomona	3,701	2,448	2,128	2,402	169	2,233	0	0
283	U. Denver	3,546	3,223	2,788	2,362	0	2,362	0	0
284	Midwestern U. (Chicago, IL)	2,816	3,204	2,786	2,358	0	2,145	137	76
285	U. MD Eastern Shore	1,581	1,694	1,738	2,351	1,088	5	1,258	0
286	U. LA Monroe	4,532	4,980	2,221	2,330	0	1,925	405	0
287	Long Island U. all campuses	686	390	2,270	2,325 i	116 i	77 i	2,127 i	5 i
288	Black Hills State U.	1,111	1,538	2,330	2,311	0	1,257	0	1,054
289	U. Akron all campuses	2,015	2,223	2,247	2,311	0	1,506	521	284
290	C. of William and Mary all campuses	1,981	2,300	2,802	2,283	0	2,037	0	246
291	Stevens Institute of Technology	473	357	338	2,242	0	2,100	142	0
292	SUNY C. of Optometry	2,435	2,481	1,913	2,231	0	0	2,231	0
293	U. DC	1,954	2,228	2,107	2,224	1,165	1,059	0	0
294	U. Central AR	1,045 i	1,164 i	2,103 i	2,124 i	1,135 i	772 i	91 i	126 i
295	CA State U. Fullerton	983	1,295	2,027	2,109	31	631	1,059	388
296	Southern Methodist U.	1,558	2,117	2,207	1,997	0	1,997	0	0
297	Teachers C. Columbia U.	2,060	2,448	2,959	1,981	0	0	0	1,981
298	Western WA U.	1,447	1,788	1,951	1,963	0	1,963	0	0
299	Rochester Institute of Technology	1,545	1,865	1,962	1,933	0	207	1,726	0
300	CUNY Herbert H. Lehman C.	1,308	1,648	1,573	1,914	0	1,765	0	149
301	Western KY U.	1,251	1,622	2,276	1,885	301	1,584	0	0
302	U. Dayton	263	580	1,437	1,873	0	1,873	0	0
303	U. TX-Pan American	1,609	1,488	2,008	1,866	35	278	1,553	0
304	Nova Southeastern U.	1,206	2,012	2,024	1,796	0	0	1,796	0
305	Philadelphia C. of Osteopathic Medicine	961	973	1,015	1,739	0	1,530	209	0
306	CA State U. East Bay	660 i	932	942	1,738	0	1,365	373	0
307	U. New England	ne	ne	1,223	1,696	0	861	777	58
308	Morehouse C.	1,313 i	744	1,081	1,686	0	1,686	0	0
309	U. TX Arlington	898	1,366	1,459	1,648	0	1,290	0	358
310	TX State U. San Marcos	662	1,334	1,517	1,635	32	1,384	219	0
311	Catholic U. America, The	1,482	2,192	1,502	1,616	0	1,608	0	8
312	Seton Hall U.	1,223	2,313	1,757	1,615	0	740	635	240
313	AL State U.	1,416	1,612	1,612	1,612	0	1,612	0	0
314	PA C. of Optometry	1,509	1,149	1,642	1,587	0	1,587	0	0
315	Bowling Green State U. all campuses	2,104	2,293	3,357	1,572	0	1,253	0	319
316	Murray State U.	2,132	1,637	1,977	1,567	27	955	585	0
317	Tougaloo C.	343 i	289 i	333	1,560	0	499	1,061	0
318	Lehigh U.	1,968	2,322	2,255	1,535	0	1,535	0	0
319	Grand Valley State U.	409	496	447	1,498	0	648	19	831
320	Desert Research Institute	0	1,945	1,023	1,490	0	1,490	0	0
321	CUNY Brooklyn C.	774	532	1,173	1,479	0	1,457	22	0
322	TX Woman's U.	1,693	1,449	1,493	1,475	0	1,182	138	155
323	Winston-Salem State U.	1,453 e	1,526 i	1,308 i	1,465 i	0 i	208 i	1,257 i	0 i
324	Southwest MO State U.	1,039	1,488	735	1,440	199	1,051	87	103

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
325	NY Institute of Technology all campuses	2,444	2,531	2,394	1,414	0	13	1,401	0
326	New England C. of Optometry	2,297	1,870	1,711	1,356	0	0	1,356	0
327	James Madison U.	851	1,119	1,190	1,302	0	981	317	4
328	Northwestern Health Sciences U.	ne	ne	820	1,289	0	0	0	1,289
329	Shaw U.	782	1,443	1,357	1,289	0	0	1,289	0
330	U. WI Stevens Point	1,146	1,005	901	1,285	1,132	146	0	7
331	Kansas City U. of Medicine and Biosciences	1,098	944	1,183	1,267	0	0	1,267	0
332	Governors State U.	211 i	221	748	1,232	0	0	0	1,232
333	U. MA Dartmouth	1,529	1,681	1,319	1,228	739	465	0	24
334	C. Charleston	643	461	1,164	1,221	96	1,125	0	0
335	FL Institute of Technology	924	952	1,296	1,209	0	1,209	0	0
336	Central MI U.	797	858	784	1,207	35	966	147	59
337	Hampton U.	2,977	1,197	2,405	1,203	0	53	1,053	97
338	Santa Clara U.	ne	1,131 i	1,168 i	1,203 i	5 i	437 i	714 i	47 i
339	Hope C.	655	1,141	1,409	1,201	0	1,201	0	0
340	U. WI La Crosse	636	765	794	1,178	0	800	307	71
341	SUNY C. Old Westbury	973	819	1,062	1,166	0	1,166	0	0
342	Western Carolina U.	766	315	266	1,166	0	728	0	438
343	U. AL Huntsville, The	2,105	1,825	1,651	1,161	0	1,074	0	87
344	CA State U. Chico	957 i	1,053	1,113 i	1,134 i	703 i	431 i	0 i	0 i
345	Southeastern LA U.	1,556	1,437	1,672	1,124	0	1,083	0	41
346	St. Cloud State U.	641	1,001	829	1,121	0	884	217	20
347	U. AR Little Rock	202	217	1,070 i	1,114 i	0 i	1,114 i	0 i	0 i
348	CA State U. Northridge	1,458	1,772	636	1,075	0	797	0	278
349	U. North FL	1,239	990	980	1,068	25	334	320	389
350	Bowdoin C.	684	1,120	1,074	1,065	0	1,065	0	0
351	Smith C.	994	871	1,487	1,061	0	1,061	0	0
352	Benedict C.	1,035	990	965	1,038	0	1,038	0	0
353	GA Southern U.	1,244	1,314	1,053	1,032	0	734	296	2
354	Appalachian State U.	327	283	1,171	1,020	0	1,020	0	0
355	FL Gulf Coast U.	307	458	863	1,017	36	981	0	0
356	Pomona C.	562	591	847	1,011	0	1,003	0	8
357	Clafflin U.	255	222	930	927 i	0 i	925 i	0 i	2 i
358	Dillard U.	61	125 i	191 i	925	0	359	0	566
359	MI Technological U.	809	1,063	872	923	0	923	0	0
360	Worcester Polytechnic Institute	486	585	434	921	0	921	0	0
361	Amherst C.	702	648	829	917	0	916	1	0
362	Western U. of Health Sciences	1,330	946	1,575	909	77	748	84	0
363	Elizabeth City State U.	147	125	407	894	48	846	0	0
364	U. Northern IA	519	543	393	885	673	212	0	0
365	Williams C.	668 i	782 i	934 i	865 i	184 i	356 i	262 i	63 i
366	Sul Ross State U.	393	805	770	863	590	273	0	0
367	Clark U.	507 e	978	1,455	859	0	859	0	0
368	U. of the Sciences Philadelphia	544	704	1,260	837	0	64	773	0
369	SC State U.	779	834	834	834	107	727	0	0
370	A.T. Still U. of Health Sciences	839	1,206	1,439	826	0	475	351	0
371	CA State U. Dominguez Hills	2,964	982	854	806	0	806	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
372	U. WI Oshkosh	729	641	829	801	0	743	57	1
373	Des Moines U.	676 e	787 i	899	796	0	0	796	0
374	U. Tulsa	1,416	1,331	884	794	0	794	0	0
375	Western IL U.	966	389	372	782	607	175	0	0
376	Lewis and Clark C.	125	181	510	752	0	752	0	0
377	Milwaukee School of Engineering	534	489	584	748	0	748	0	0
378	TN Technological U.	839	876	645	747	15	732	0	0
379	Wellesley C.	701	574	781	746	0	746	0	0
380	Fairfield U.	330	419	345	734	0	357	0	377
381	Oglala Lakota C.	ne	ne	ne	734	0	734	0	0
382	Pacific U.	0 i	0	164	727	0	138	579	10
383	St. Olaf C.	316	421	639	721	0	721	0	0
384	Middlebury C.	635 i	658 i	681 i	711	0	711	0	0
385	Clarkson U.	751	699 i	826	684	0	683	0	1
386	Villanova U.	631 i	715 i	798 i	673	0	563	0	110
387	U. PR Humacao	317	191	771	672	0	672	0	0
388	Reed C.	438	357	399	662	0	662	0	0
389	Angelo State U.	ne	ne	206 i	615	481	98	36	0
390	U. Northern CO	663	1,073	790	612	0	365	241	6
391	U. MO-Rolla	661	664	714	610	0	610	0	0
392	Winona State U.	ne	ne	ne	609	92	147	100	270
393	CUNY Baruch C.	32	506	564	606	0	4	602	0
394	Bates C.	369	460	763	602	0	602	0	0
395	U. PR Mayaguez Campus	894	863	1,027	601	109	492	0	0
396	Augustana C. (Sioux Falls, SD)	175	537	684	595	0	595	0	0
397	Adelphi U.	ne	129 i	214 i	594	0	594	0	0
398	San Jose State U.	483	458	482	591	0	591	0	0
399	Middle TN State U.	721	331	614	590	67	404	0	119
400	Southern U. and A&M C. all campuses	1,377	1,384 i	565	586	12	505	69	0
401	U. AK Southeast all campuses	298 i	388	359	582	0	310	99	173
402	National U. of Health Sciences	401	165	597	580	0	0	0	580
403	Northern KY U.	266	572	652	579	0	548	0	31
404	Fayetteville State U.	98	110	78	578	0	0	526	52
405	St. John's U. (Jamaica, NY)	1,388 i	329	297	575	0	575	0	0
406	Davidson C.	46 i	41 i	34	573	0	573	0	0
407	CA State U. Bakersfield	1,803 i	4,639	4,823	563	0	563	0	0
408	MT Tech of the U. MT	290	753	616	561	0	561	0	0
409	CA State U. Monterey Bay	566	642	705	545	12	0	0	533
410	Northeastern State U.	593 i	775	1,023	543	0	522	17	4
411	Pace U. all campuses	647	723	255	539	0	123	294	122
412	Daemen C.	ne	ne	ne	529	0	0	0	529
413	Millsaps C.	ne	63 i	471	529	0	529	0	0
414	CA State U. San Bernardino	353	407	530	528	35	81	0	412
415	Providence C.	223	214	373	526	0	526	0	0
416	U. TX Tyler	ne	265	309	507	0	336	171	0
417	Bucknell U.	112	300	580	504	0	501	0	3
418	Ithaca C.	706	533	619	498	0	393	0	105
419	SUNY C. Brockport	626	527	487	495	0	495	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
420	MT State U. Billings	ne	194 i	644	492	0	485	0	7
421	IN State U. all campuses	559	420	540	487	0	417	70	0
422	Haverford C.	704 i	533 i	397 i	485 i	0 i	485 i	0 i	0 i
423	St. Joseph's U.	437	581	545	479	0	479	0	0
424	Dickinson C.	620	235	293	467	0	246	0	221
425	Truman State U.	77	116	126	462	8	454	0	0
426	Macalester C.	514	501	434	459	0	459	0	0
427	Franklin & Marshall C.	390	503	317	456	0	456	0	0
428	Mt. St. Mary's C. (Los Angeles, CA)	482	494	462	454	0	454	0	0
429	Eastern IL U.	0 i	0 i	0 i	452	7	386	59	0
430	West Chester U. PA	172	255	141	447	0	314	0	133
431	Roger Williams U. Bristol	72	316	480	434	0	434	0	0
432	Kennesaw State U.	23	392	157	433	0	112	321	0
433	Calvin C.	470	516	400	431	0	405	26	0
434	Morehead State U.	321	904	321	429	19	401	0	9
435	Colgate U.	314	200	459	425	0	425	0	0
436	MN State U. Mankato	585 i	333	442	416	0	416	0	0
437	Union C. (Schenectady, NY)	655	491	578	415	0	415	0	0
438	West Liberty State C.	ne	ne	508	415	0	415	0	0
439	Gallaudet U.	392	643	467	411	0	411	0	0
440	Colby C.	170	446	575	406	0	406	0	0
441	Universidad del Este	ne	ne	432	406	0	0	0	406
442	Mt. Holyoke C.	701	394	367	402	0	402	0	0
443	Bluefield State C.	156	359	356	401	0	396	0	5
444	Savannah State U.	437	457	381	396	0	0	396	0
445	U. Richmond	602	779	441	396	0	396	0	0
446	Nicholls State U.	449	590	404	389	9	380	0	0
447	Muhlenberg C.	ne	190	326	387	0	387	0	0
448	Eastern OR U.	148	364	504	386	248	138	0	0
449	Trinity U.	651	645	433	386	0	386	0	0
450	Montclair State U.	342 i	444 i	478 i	382 i	0 i	382 i	0 i	0 i
451	Mercy C.	ne	227 i	425	381	0	376	0	5
452	Hamilton C. (Clinton, NY)	177	150	117	373	0	373	0	0
453	U. Scranton	1,196	880	434	372	0	260	0	112
454	U. WI Platteville	254 i	292	412	372	363	9	0	0
455	Jacksonville State U.	ne	838	1,218	364	0	96	268	0
456	Occidental C.	299 i	354	280	360	0	360	0	0
457	Arcadia U.	ne	224 i	233 i	355	0	334	21	0
458	WV School of Osteopathic Medicine	245	270	266	349	0	0	349	0
459	Carleton C.	409	392	223	342	0	342	0	0
460	OR Institute of Technology	0	116	278	341	0	0	0	341
461	Rider U.	519	330	393	339	0	339	0	0
462	Eastern WA U.	198	139	211	334	0	334	0	0
463	U.S. Air Force Academy	742	750	1,139	330	0	330	0	0
464	NM Highlands U.	244	30	0	328	0	328	0	0
465	U. West GA	275	565	275	325	0	325	0	0
466	Jacksonville U.	ne	ne	165	317	0	317	0	0
467	Southern OR U.	490	413	365	317	0	317	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
468	Bryn Mawr C.	468	453	625	313	0	313	0	0
469	Sonoma State U.	218	383	442	303	0	302	1	0
470	NM Institute of Mining and Technology	1,106	1,613 i	249	290	0	290	0	0
471	MA C. of Pharmacy and Health Sciences	457	574 i	601 i	285	0	0	285	0
472	CT C.	299 i	322	339	284	0	284	0	0
473	U. San Diego	419	468	192	284	0	219	65	0
474	Trinity C. (Hartford, CT)	114	548	191	283	0	187	96	0
475	Maharishi U. of Management	2,531 e	492	499	280	0	0	280	0
476	Cheyney U. PA	0 i	0 i	278	274	0	0	108	166
477	Norfolk State U.	177	381	275	272	0	201	0	71
478	Eastern MI U.	1,044	1,282	896	270	0	19	251	0
479	C. Wooster	1 i	3 i	9 i	268	9	241	18	0
480	Point Loma Nazarene C.	46 i	31	183	268	0	254	14	0
481	Chapman U.	175	374	354	266	45	221	0	0
482	Claremont McKenna C.	ne	ne	ne	253 i	1 i	143 i	40 i	69 i
483	U. PR Cayey	ne	ne	ne	253	0	253	0	0
484	Hampshire C.	62	412	148	252	0	71	7	174
485	Harvey Mudd C.	1,027 i	789 i	177	251	154 i	51 i	44 i	2 i
486	U. Puget Sound	17	26	61	251	0	231	0	20
487	Loyola Marymount U.	170	142	268	245	0	245	0	0
488	Vassar C.	538 i	387 i	334	245	0	221	24	0
489	Lincoln U. (Lincoln University, PA)	404	404	158	238	0	238	0	0
490	Hofstra U.	243 i	250 i	351	234	0	234	0	0
491	Ursinus C.	ne	ne	309	234	0	234	0	0
492	Skidmore C.	520	739	312	233	0	233	0	0
493	Central State U.	85 i	158	232	232	0	232	0	0
494	Northwestern State U.	325 i	333 i	248	232	0	232	0	0
495	Christopher Newport U.	270	287	455	230	0	230	0	0
496	Mayville State U.	ne	185	243	224	0	224	0	0
497	Towson U.	232	243	226	222	0	197	0	25
498	Sweet Briar C.	ne	ne	ne	220	0	220	0	0
499	U. Portland	294	149	224	215	0	195	20	0
500	Heritage U. (Toppenish, WA)	ne	266	254	210	0	190	20	0
501	Goucher C.	ne	ne	ne	203	0	203	0	0
502	Western CT State U.	ne	ne	ne	202	0	202	0	0
503	Central CT State U.	100	166	119	201	0	201	0	0
504	Indiana U. PA all campuses	131	21	3	201	0	193	0	8
505	Siena C.	ne	ne	199 i	201 i	98 i	41 i	3 i	59 i
506	St. Mary's C. MD	230	184	203	201	0	201	0	0
507	Eastern KY U.	205	342	273	195	0	146	0	49
508	U. WI Eau Claire	354	175	145	189	0	127	0	62
509	Central WA U.	528	164	111	185	0	185	0	0
510	Roanoke C.	195	161	171	184	0	184	0	0
511	U. WI Whitewater	183	168	185	182	0	182	0	0
512	TX A&M U. Commerce	185	113	122	181	136	45	0	0
513	Universidad Metropolitana	ne	1,252 i	138	179	0	26	0	153

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
514	Bradley U.	208	139	172	175	0	172	0	3
515	Juniata C.	537	349	200	175	0	175	0	0
516	Furman U.	277	327	436	173	0	173	0	0
517	Pittsburg State U.	279	218	209	173	0	173	0	0
518	Sinte Gleska U.	ne	65	0	173	72	0	101	0
519	Loyola U. New Orleans	247 i	265	214	167	0	167	0	0
520	U. San Francisco	67	19	94	158	0	122	36	0
521	Youngstown State U.	235	271	100	156	0	137	0	19
522	Oberlin C.	145	265	64	155	0	136	19	0
523	Barnard C.	212 e	711	650	152	0	152	0	0
524	U. NC Asheville	17	73	185	146	0	101	0	45
525	U. Houston-Clear Lake	146	234	199	142	0	142	0	0
526	Ft. Lewis C.	139	193	187	141	0	141	0	0
527	TX Christian U.	382	609	303	141	0	20	0	121
528	Mills C.	ne	ne	132 i	140 i	0 i	136 i	1 i	3 i
529	Rhodes C.	254 i	262	123	138	0	138	0	0
530	Grinnell C.	170	531	118	137	0	137	0	0
531	Swarthmore C.	332	248	682	136	0	136	0	0
532	Whitman C.	319	267	117	134	0	134	0	0
533	Willamette U.	149	66	114	133	0	133	0	0
534	Rowan U.	111	128	152	131	0	131	0	0
535	Drake U.	138	138	157	130	0	130	0	0
536	Lake Forest C.	338	170	142	130	0	130	0	0
537	American U.	42	92	76	128	0	128	0	0
538	CUNY C. Staten Island	758	1,051	142	127	0	110	0	17
539	OH Wesleyan U.	238 i	218	146	125	0	125	0	0
540	Northern MI U.	106 i	112 i	118 i	123	0	123	0	0
541	C. NJ, The	220 i	177 i	283	121	0	121	0	0
542	Millersville U. PA	113 i	114 i	115 i	121	0	121	0	0
543	Pacific Lutheran U.	51 i	57 i	63 i	121	0	121	0	0
544	Sarah Lawrence C.	ne	ne	132	120	0	58	62	0
545	Wilkes U.	127	ne	89	119	0	106	13	0
546	La Salle U.	89	ne	143	110	0	31	0	79
547	Kalamazoo C.	245	221	186	109	0	109	0	0
548	SUNY C. Geneseo	201	72	111	109	0	107	0	2
549	U. WI River Falls	156	121	115	107	79	26	0	2
550	U. Central OK	65	90	150	106	69	37	0	0
551	Fairleigh Dickinson U. all campuses	ne	ne	ne	105 i	1 i	36 i	65 i	3 i
552	Bard C.	ne	81 i	ne	104 i	0 i	59 i	16 i	29 i
553	SUNY C. Cortland	196	343	98	100	0	100	0	0
554	Wabash C.	48	38	44	99	0	99	0	0
555	CUNY Medgar Evers C.	84	141	164	96	0	91	0	5
556	U. Detroit Mercy	6 e	5 i	90	92 i	0 i	32 i	56 i	4 i
557	C. of the Holy Cross	16	0	261	90	0	90	0	0
558	U. of St. Thomas (St. Paul, MN)	91	146	111	89	0	89	0	0
559	Canisius C.	189 i	208 i	343	87	0	87	0	0
560	U. WI Stout	312	119	51	87	0	87	0	0
561	Berry C.	ne	ne	86	86 i	21 i	65 i	0 i	0 i

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
562	CO State U. Pueblo	434	381	303	86	0	86	0	0
563	Hendrix C.	147	107	169	85	0	85	0	0
564	Lawrence U.	266 i	268 i	42	84	0	84	0	0
565	Sam Houston State U.	289 i	268	580	84	84	0	0	0
566	SUNY Fredonia	61	74	108	81	0	81	0	0
567	U. Houston-Downtown	91	174	3	81	80	1	0	0
568	Dowling C.	ne	ne	ne	80	0	80	0	0
569	Wilberforce U.	411 i	742 i	1,073 i	80	0	0	80	0
570	AR Tech U.	318 i	72 i	71 i	79 i	0 i	79 i	0 i	0 i
571	DePaul U.	269	151	155	79	0	61	0	18
572	IL Wesleyan U.	ne	86	134	77	0	18	59	0
573	Simmons C.	48	178	99	73	0	56	0	17
574	Southeastern OK State U.	244	170	122	73	0	73	0	0
575	U. of the South	ne	44	53	72	0	72	0	0
576	Wheeling Jesuit U.	49 i	56 i	63 i	72	0	0	72	0
577	Allegheny C.	134	270	95	70	0	70	0	0
578	Denison U.	81	77 i	105	68	0	68	0	0
579	Saginaw Valley State U.	41	37	57	67	0	63	0	4
580	Evergreen State C.	158	105	118	65	0	65	0	0
581	Seattle U.	306	53	60 i	63 i	0 i	0 i	0 i	63 i
582	Gettysburg C.	ne	262	126	62	0	62	0	0
583	Troy U. main campus	ne	ne	51	61	0	56	4	1
584	U. WI Parkside	349	310	232	61	0	61	0	0
585	U. TX of the Permian Basin	ne	ne	ne	60	0	60	0	0
586	John Carroll U.	118	119	118	59	0	59	0	0
587	Valparaiso U.	40	33	24	58	0	54	4	0
588	Bowie State U.	235	198	124	56	0	56	0	0
589	Edward Waters C.	ne	ne	ne	56 i	0 i	32 i	12 i	12 i
590	Seattle Pacific U.	ne	ne	ne	56 i	0 i	32 i	12 i	12 i
591	Lafayette C.	103	105	117	53	0	53	0	0
592	Augustana C. (Rock Island, IL)	101	69	54	52 i	0 i	52 i	0 i	0 i
593	Coe C.	ne	ne	ne	52	0	52	0	0
594	DePauw U.	47 i	47 i	50 i	52 i	0 i	49 i	2 i	1 i
595	William Paterson U. NJ	ne	ne	ne	48 i	16 i	24 i	5 i	3 i
596	Mercyhurst C.	ne	ne	43	43	0	35	0	8
597	Gustavus Adolphus C.	138	158	168	41	0	7	34	0
598	Coastal Carolina U.	37	5	42	40	0	40	0	0
599	St. Mary's U. (San Antonio, TX)	0	0	0	40	0	5	0	35
600	Washington and Lee U.	160 i	174	104	37	0	37	0	0
601	SUNY C. Buffalo	104	236	364	36	0	36	0	0
602	Andrews U.	124	110	50	32	2	24	4	2
603	Bridgewater State C.	18	25	23	31 i	0 i	31 i	0 i	0 i
604	Northeastern IL U.	5	27	65	30	0	30	0	0
605	McNeese State U.	46	27	29	29	1	28	0	0
606	U. Redlands	36	24	28	29	0	29	0	0
607	U. Hartford	55	17	112	27	0	12	15	0
608	U. IL Springfield	96	8	4	22	0	22	0	0
609	U. NC Pembroke	ne	ne	28	21	0	0	0	21
610	SUNY C. Plattsburgh	55	76	145	20	0	20	0	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
611	VA Military Institute	14	47	41	18	0	18	0	0
612	CUNY Graduate Ctr.	1,231	15	0	16	0	16	0	0
613	Lamar U.	7	37	7	15	0	15	0	0
614	Abilene Christian U.	12	14	8	14	8	6	0	0
615	Miles C.	ne	ne	ne	8	0	8	0	0
616	U. WI Superior	54	18	6	7	0	7	0	0
617	CUNY John Jay C. of Criminal Justice	0	4	19	5	0	5	0	0
618	Pitzer C.	0	0	1	4	0	0	4	0
619	Grambling State U.	1,224	1,262	237	2	2	0	0	0
620	U. WI Green Bay	4	0	0	1	0	1	0	0
	All other surveyed institutions	25,505	26,329	25,098	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$25,677 in total R&D expenditures in the life sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007							Life sciences, nec
		2004	2005	2006	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
	All institutions	16,667,462	17,691,790	18,278,705	18,347,934	896,573	6,199,005	10,574,346	678,010
1	Johns Hopkins U., The ^a	511,573	548,516	559,286	548,741	0	149,966	372,297	26,478
2	U. CA, San Francisco	396,729	419,367	444,698	451,445	0	21,327	430,118	0
3	U. WA	424,433	420,856	459,070	427,748	9,038	74,927	335,062	8,721
4	U. Pittsburgh all campuses	338,420	362,208	367,021	389,116	0	15,090	363,436	10,590
5	Washington U. St. Louis	339,307	365,868	371,552	387,033	0	151,921	232,679	2,433
6	Duke U.	278,054	304,532	341,291	379,720	0	86,151	290,692	2,877
7	U. PA	359,857	386,272	392,441	368,697	12	127,821	229,575	11,289
8	U. CA, Los Angeles	330,141	349,587	364,636	368,103	0	15,912	352,191	0
9	U. MI all campuses	307,794	337,556	350,492	351,752	3,847	102,549	196,150	49,206
10	Stanford U.	296,305	312,619	310,995	320,914	0	15,642	305,272	0
11	Columbia U. in the City of NY	279,442	309,787	310,341	320,271	0	110,033	206,503	3,735
12	Yale U.	291,471	293,504	308,984	311,023	1,919	100,519	208,585	0
13	Harvard U.	313,278	288,385	281,478	279,509	0	89,751	189,677	81
14	U. CA, San Diego	236,203	254,231	260,853	272,820	0	26,235	246,444	141
15	U. NC Chapel Hill	238,750	250,489	263,026	272,789	0	136,349	125,345	11,095
16	U. WI Madison	237,807	257,244	260,761	268,017	14,409	108,784	143,685	1,139
17	Scripps Research Institute, The	236,989	272,969	268,533	267,073	0	267,073	0	0
18	Case Western Reserve U.	158,535	179,810	269,586	265,766	0	57,521	202,712	5,533
19	Baylor C. of Medicine	312,669	300,638	287,679	263,146	0	154,688	108,458	0
20	U. AL Birmingham, The	242,437	268,552	275,441	253,380	0	79,199	172,631	1,550
21	Vanderbilt U.	211,056	228,670	246,145	251,691	0	104,345	138,508	8,838
22	Emory U.	232,355	255,557	255,575	249,557	0	117,488	129,118	2,951
23	U. MN all campuses	220,722	234,037	237,882	248,605	18,257	51,114	173,581	5,653
24	U. CO all campuses	228,915	240,405	247,689	243,334	23	51,222	180,792	11,297
25	U. Cincinnati all campuses	176,816	183,916	183,113	229,991	0	60,206	166,542	3,243
26	Cornell U. all campuses	209,798	230,308	245,421	228,986	28,098	49,260	151,628	0
27	Mt. Sinai School of Medicine	185,249	191,326	224,911	221,397	0	70,623	150,774	0
28	U. Southern CA	161,464	175,724	178,546	213,373	0	10,834	195,959	6,580
29	OR Health & Science U.	180,295	201,082	209,517	210,117	0	95,171	106,213	8,733
30	U. CA, Davis	167,676	183,366	191,690	196,216	27,158	71,023	98,035	0
31	U. TX Southwestern Medical Ctr. Dallas	200,888	202,057	196,621	191,687	0	82,507	108,907	273
32	U. Chicago	164,749	176,068	177,146	184,383	0	66,986	114,655	2,742
33	OH State U. all campuses	167,498	167,697	187,241	180,247	16,244	51,715	107,270	5,018
34	U. IA	173,775	179,196	178,554	179,500	0	32,952	118,687	27,861
35	U. Rochester	152,592	160,824	167,170	175,369	0	48,395	123,418	3,556
36	U. IL Chicago	148,208	156,635	166,255	171,862	0	49,507	112,565	9,790
37	Northwestern U.	156,686	163,230	167,284	167,637	0	59,890	100,117	7,630
38	U. TX M. D. Anderson Cancer Ctr.	132,412	143,477	159,072	166,743	0	62,337	104,406	0
39	U. MD Baltimore	141,221	129,270	186,160	164,211	0	24,632	131,369	8,210
40	MA Institute of Technology	114,695	141,176	145,487	154,459	0	137,218	10,671	6,570
41	U. FL	133,266	143,813	153,294	151,519	21,877	51,130	65,739	12,773
42	NY U.	143,913	150,029	149,829	150,053	0	65,498	77,834	6,721
43	Yeshiva U.	151,520	160,894	153,785	147,941	0	0	147,941	0
44	Boston U.	146,767	154,782	157,309	146,597	0	6,988	138,359	1,250
45	Wake Forest U.	117,586	138,951	135,557	138,122	0	559	137,563	0
46	U. VA all campuses	129,388	138,073	142,937	137,685	0	49,083	87,372	1,230

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
47	U. AZ	150,809	150,285	156,591	135,794	25,696	46,235	62,862	1,001
48	U. TX Health Science Ctr. Houston	106,737	112,509	122,870	131,879	0	20,640	64,357	46,882
49	U. MA Worcester	126,162	130,680	136,141	131,226	0	51,212	62,133	17,881
50	IN U. all campuses	124,872	129,200	125,032	127,255	0	52,547	70,038	4,670
51	U. of Medicine and Dentistry NJ	121,812	143,239	140,923	126,101	0	61,053	65,048	0
52	U. UT	114,204	118,730	119,695	122,315	0	34,504	74,368	13,443
53	U. CA, Irvine	106,209	111,596	117,963	118,579	0	69,039	49,540	0
54	U. TX Medical Branch	101,327	115,343	119,013	116,844	0	57,521	59,323	0
55	U. South FL	82,675	91,408	103,811	113,383	0	11,863	101,520	0
56	Medical C. WI	100,547	102,859	100,128	107,200	0	30,918	76,282	0
57	U. KY all campuses	90,603	98,002	103,402	104,457	12,103	39,588	49,011	3,755
58	LA State U. all campuses	75,608	90,556	96,471	101,607	7,824	63,156	30,627	0
59	SUNY Buffalo all campuses	102,145	109,361	111,487	101,593	0	35,316	62,657	3,620
60	Medical U. SC	103,494	108,196	104,057	101,370	0	45,679	36,219	19,472
61	MI State U.	78,853	88,874	98,536	97,284	29,363	51,624	13,800	2,497
62	Georgetown U.	91,419	95,516	87,005	97,275	0	11,515	80,744	5,016
63	U. TX Health Science Ctr. San Antonio	89,662	95,125	95,110	95,610	0	36,287	59,033	290
64	PA State U. all campuses	91,336	95,815	97,055	95,554	22,524	20,845	52,185	0
65	U. Miami	86,590	98,491	95,935	95,056	0	22,400	72,050	606
66	Dartmouth C.	86,002	89,953	100,333	93,161	0	5,329	87,832	0
67	U. CA, Berkeley	90,288	98,172	93,070	91,390	23,672	36,307	31,411	0
68	Wayne State U.	94,812	96,808	94,796	90,011	0	21,649	66,581	1,781
69	SUNY Albany	79,427	88,828	88,253	89,527	0	87,035	2,001	491
70	U. NE all campuses	81,002	89,389	91,891	88,338	14,194	50,796	21,939	1,409
71	U. CT all campuses	86,915	90,532	85,117	87,828	4,593	44,959	36,765	1,511
72	Tulane U.	75,621	82,388	73,191	87,021	0	24,409	12,304	50,308
73	U. KS all campuses	77,525	83,061	84,176	84,190	462	50,734	20,351	12,643
74	Thomas Jefferson U.	92,296	86,171	82,551	81,545	0	39,893	39,800	1,852
75	Rockefeller U.	76,439	80,161	87,515	80,664	0	74,598	6,066	0
76	U. MO-Columbia	67,833	72,668	75,695	80,231	19,999	28,611	30,612	1,009
77	U. VT	68,844	70,034	72,542	79,398	5,866	28,115	38,328	7,089
78	U. GA	72,512	79,051	71,076	78,975	20,505	46,539	9,734	2,197
79	VA Commonwealth U.	76,262	83,438	84,142	77,405	0	35,920	36,045	5,440
80	Tufts U.	79,210	82,608	78,944	77,159	0	59,270	17,889	0
81	CO State U.	68,959	56,385	72,638	76,498	13,841	16,997	45,138	522
82	U. NM main campus	60,805	80,016	79,217	75,010	14	26,053	48,031	912
83	U. TN all campuses	69,659	74,539	78,340	73,900	6,428	38,532	27,409	1,531
84	U. HI Manoa	71,092	67,321	67,107	69,903	13,153	4,104	46,618	6,028
85	Purdue U. all campuses	62,338	62,788	67,771	68,184	28,751	24,161	9,916	5,356
86	Rutgers, The State U. NJ all campuses	63,527	70,346	62,889	65,682	9,038	41,655	11,594	3,395
87	TX A&M U.	49,403	55,627	68,845	64,414	29,041	14,596	20,777	0
88	U. AR for Medical Sciences	53,249	58,661	66,127	60,836	0	28,073	30,501	2,262
89	U. Louisville	44,572	53,420	55,384	59,448	27	9,614	46,792	3,015
90	U. IL Urbana-Champaign	58,990	60,841	60,503	57,958	17,478	36,039	2,095	2,346
91	SUNY Stony Brook all campuses	66,377	69,862	58,733	57,649	0	29,567	28,010	72
92	Brown U.	48,819	54,082	58,180	57,348	0	26,863	10,473	20,012

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
93	U. OK all campuses	52,107	57,387	58,849	55,145	0	27,432	25,509	2,204
94	VA Polytechnic Institute and State U.	36,016	40,997	49,798	53,641	27,256	22,005	3,571	809
95	NC State U.	40,907	42,988	47,805	53,471	14,140	34,870	0	4,461
96	U. MS all campuses	36,568	44,412	44,961	51,688	0	7,091	28,969	15,628
97	OR State U.	49,609	49,142	52,157	50,481	24,462	21,461	3,503	1,055
98	Charles R. Drew U. of Medicine and Science	40,430	41,207	44,394	48,580	0	0	48,580	0
99	St. Louis U. all campuses	35,890 e	43,332	43,444	45,623	0	792	35,046	9,785
100	WA State U.	42,729	43,289	46,776	43,523	13,203	25,937	1,296	3,087
101	IA State U.	40,605	44,065	45,623	42,007	16,664	16,822	5,280	3,241
102	MS State U.	34,637	35,754	35,967	41,751	37,586	2,615	24	1,526
103	Medical C. GA	35,841	41,910	41,555	40,609	0	30,862	9,624	123
104	Temple U.	36,890	38,543	37,051	39,988	91	14,048	21,119	4,730
105	CA Institute of Technology	42,498	40,582	37,955	38,850	0	38,850	0	0
106	Rush U.	50,023	47,398	43,754	38,251	0	12,141	24,696	1,414
107	MT State U. Bozeman	29,343	40,416	42,269	37,697	25,393	10,922	682	700
108	WV U.	31,821	33,616	36,965	37,106	8,757	10,512	16,683	1,154
109	Uniformed Services U. of the Health Sciences	62,301	49,950	36,611	34,119	0	2,647	31,472	0
110	TX A&M U. System Health Science Ctr.	27,862	30,839	33,369	34,095	326	221	33,548	0
111	U. TX Austin	33,646	34,129	34,844	33,786	0	20,954	12,174	658
112	U. PR Medical Sciences Campus	28,063	29,863	31,199	31,955	0	0	31,955	0
113	Drexel U.	26,811	30,620	34,728	31,347	0	18,446	12,262	639
114	Meharry Medical C.	26,159	27,408	30,914	31,263	0	28,572	2,691	0
115	U. NV, Reno	30,404	32,554	32,678	30,918	3,930	20,759	6,229	0
116	AZ State U.	15,116	19,869	26,146	30,218	583	23,512	0	6,123
117	U. MA Amherst	19,824	20,757	23,047	28,580	9,689	15,236	3,147	508
118	SUNY Upstate Medical U.	22,650	23,275	27,247	27,933	0	9,251	18,682	0
119	U. MD College Park	25,470	25,288	23,798	27,644	13,111	11,740	0	2,793
120	U. SC all campuses	24,503	21,833	25,345	27,511	0	8,509	19,002	0
121	KS State U.	33,245	34,298	28,933	27,099	12,722	14,119	258	0
122	U. ID	30,429	27,667	28,417	26,571	13,694	9,020	3,857	0
123	NY Medical C.	25,103	25,242	26,579	26,101	0	19,837	6,264	0
124	Howard U.	26,544	28,628	24,297	26,078	0	14,186	11,705	187
125	U. MT-Missoula, The	25,293	27,899	25,869	25,863	5,850	9,389	9,153	1,471
126	Princeton U.	26,212	27,757	25,520	25,394	0	25,394	0	0
127	Loma Linda U.	26,631	26,855	28,583	24,546	0	7,679	16,867	0
128	George Washington U.	27,633	26,500	23,065	23,896	0	10,321	13,575	0
129	Loyola U. Chicago	27,795	26,984	24,084	23,689	0	9,412	13,562	715
130	U. MD Biotechnology Institute	19,727	26,001	26,545	23,614	6,299	13,973	0	3,342
131	UT State U.	22,815	28,369	29,485	23,295	16,887	4,612	1,747	49
132	SUNY Health Science Ctr. Brooklyn	23,313 i	23,466	25,184	23,232	0	8,184	15,048	0
133	Morehouse School of Medicine	23,331	24,213	25,156	23,230	0	3,119	20,111	0
134	U. CA, Riverside	19,122	21,939	23,109	22,618	2,584	18,616	1,418	0
135	Brandeis U.	22,200	24,115	22,277	21,862	0	21,862	0	0
136	U. OR	20,356	22,730	22,085	21,280	0	8,361	11,910	1,009

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
137	U. AK Fairbanks all campuses	13,328	16,428	20,466	20,728 i	8,541 i	12,187 i	0 i	0 i
138	Eastern VA Medical School	17,530	19,969	19,399	20,620	0	4,425	16,195	0
139	U. North TX Health Science Ctr. Ft. Worth	13,259	17,037	19,183	19,203	0	16,070	3,133	0
140	FL International U.	11,787	12,627	10,483	19,187	4,223	9,356	5,608	0
141	U. Toledo	1,937	3,631	3,988	19,107	2,520	11,480	4,853	254
142	Auburn U. all campuses	22,419	23,550	18,800	17,095	12,789	3,114	967	225
143	OK State U. all campuses	18,964	17,528	17,572	16,929	6,614	9,089	1,154	72
144	FL State U.	20,576	17,409	16,820	16,855	0	10,700	4,003	2,152
145	U. AR main campus	13,678	13,855	14,637	16,595	14,252	1,773	0	570
146	San Diego State U.	14,763	17,201	16,530	16,328	0	7,780	6,150	2,398
147	U. RI	14,454	12,039	13,532	15,772	5,188	2,137	6,325	2,122
148	U. SD	10,311	13,769	16,171	15,153	0	802	14,351	0
149	NM State U. main campus	13,069	14,119	14,457	14,969	11,466	3,499	0	4
150	U. WY	11,783 e	15,858	14,852	14,517	5,514	6,363	2,640	0
151	U. DE	12,661	13,070	14,419	14,185	5,676	5,023	0	3,486
152	Wright State U. all campuses	11,866	12,630	15,007	14,020	0	866	13,154	0
153	U. MO-Kansas City	12,417	12,551	12,789	13,672	0	3,352	10,320	0
154	U. ND all campuses	13,904	12,419	13,044	13,562	0	1,591	9,810	2,161
155	U. of Notre Dame	10,003	10,849	12,039	12,885	0	12,665	220	0
156	Southern IL U. Carbondale	11,099	12,096	14,007	12,781	2,149	3,762	6,605	265
157	Clemson U.	16,590	14,472	14,138	12,646	4,461	6,330	684	1,171
158	SD State U.	9,966	10,812	9,591	12,600	7,504	1,742	192	3,162
159	ND State U. all campuses	11,538	12,832	12,390	12,384	6,711	2,643	3,030	0
160	U. TX San Antonio	6,776	9,520	12,075	12,169	0	12,169	0	0
161	U. ME	10,929	7,856	11,790	12,041	5,710	5,254	29	1,048
162	Marshall U.	8,912	10,141	9,461	11,945	0	907	11,038	0
163	GA State U.	8,680	8,854	8,480	11,836	0	6,286	4,302	1,248
164	Creighton U.	13,454	12,166	9,834	11,164	0	4,699	6,465	0
165	U. South AL	13,334	12,721	11,976	10,784	0	7,638	1,888	1,258
166	U. NH	9,175	12,097	11,565	10,455	2,949	6,910	0	596
167	U. Southern ME	1,699 i	2,109 i	2,519	10,408	1,065	2,699	6,644	0
168	U. Houston	11,651	11,488	11,984	10,299	0	4,007	5,933	359
169	Northern AZ U.	10,083	11,149	11,866	10,108	2,317	7,791	0	0
170	Northeastern U.	5,515	7,906	8,709	10,037	0	6,455	2,102	1,480
171	Albany Medical C.	11,849	11,525	11,152	9,521	0	9,521	0	0
172	TX Tech U. Health Science Ctr.	7,604	6,730	9,713	8,765	0	4,895	3,870	0
173	IL Institute of Technology	4,142	4,645	7,255	8,729	0	8,729	0	0
174	Universidad Central del Caribe	8,498	8,543	8,206	8,672	0	0	8,672	0
175	Jackson State U.	7,798	9,472	8,885	8,064	145	4,219	3,700	0
176	U. TX El Paso	5,069	5,549	7,532	7,906	0	1,836	5,054	1,016
177	East Carolina U.	7,789	8,866	8,477	7,890	30	5,375	836	1,649
178	GA Institute of Technology all campuses	8,149	7,865	7,369	7,879	0	6,507	1,239	133
179	Alcorn State U.	7,622	5,396	5,706	7,874	7,874	0	0	0
180	Tuskegee U.	6,272	5,972	6,280	7,722	3,088	232	2,703	1,699
181	Rice U.	8,662	9,584	8,982	7,523	0	7,461	62	0
182	FL A&M U.	16,886	14,134	14,438	7,508	6,444	689	375	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
183	U. CA, Santa Cruz	6,829	7,169	7,997	7,352	488	6,864	0	0
184	U. Southern MS	6,180	6,946	8,221	7,272	0	5,603	575	1,094
185	Rosalind Franklin U. of Medicine and Science	7,367	9,723	9,489	7,148	0	7,148	0	0
186	VA State U.	5,347	2,518	5,660	6,604	6,534	70	0	0
187	Ponce School of Medicine	9,179	6,715	5,022	6,594	0	0	6,594	0
188	U. of the VI	9,685	7,498	7,552	6,283	0	0	0	6,283
189	CUNY Hunter C.	7,812	7,494	7,076	6,183	0	6,183	0	0
190	CUNY The City C.	5,548	6,862	6,015	6,122	0	3,873	243	2,006
191	U. GU	5,430	4,876 i	6,256	6,037	3,969	36	954	1,078
192	AL A&M U.	8,505	9,066	5,543	5,949	5,875	74	0	0
193	U. LA Lafayette	11,212	11,590	7,583	5,772	128	1,397	3,624	623
194	TN State U.	5,022	4,973	5,235	5,681	3,752	958	0	971
195	U. CA, Santa Barbara	3,653	4,156	4,595	5,226	0	5,226	0	0
196	Carnegie Mellon U.	6,243	5,177	4,728	5,152	0	4,043	74	1,035
197	Prairie View A&M U.	3,937	4,019	4,327	5,086	4,826	260	0	0
198	San Francisco State U.	11,398 i	6,068	5,940	5,073	0	3,126	1,947	0
199	CUNY Queens C.	3,246	3,418	4,421	5,069	0	209	0	4,860
200	Brigham Young U. all campuses	3,701	3,755	4,003	4,988	570	4,352	0	66
201	TX Tech U.	4,574	5,436	5,477	4,979	3,776	1,157	0	46
202	NC Agricultural and Technical State U.	4,314	5,475	5,475	4,941	3,628	1,199	114	0
203	U. HI Hilo	2,999	7,762	1,736	4,633	988	2,155	854	636
204	ID State U.	3,458	3,974	3,972	4,629	0	2,177	2,342	110
205	Wichita State U.	969	688	1,043	4,610	0	797	13	3,800
206	Portland State U.	2,128 e	3,498	4,891	4,572	17	3,483	0	1,072
207	East TN State U.	4,133	4,554	4,344	4,449	0	2,163	2,286	0
208	CA State U. Los Angeles	2,049	2,678	1,431	4,378	0	4,372	0	6
209	Tarleton State U.	3,830	4,884	4,959	4,249	4,249	0	0	0
210	OH U. all campuses	3,518	4,327	4,206	4,225	0	2,809	655	761
211	George Mason U.	5,330	4,318	6,270	4,188	0	2,864	533	791
212	NC Central U.	3,134 i	3,654 i	3,772	3,883	0	3,762	121	0
213	U. NV, Las Vegas	4,287 i	4,659	7,907	3,873	0	2,171	181	1,521
214	U. AL, The	2,595	2,625	2,734	3,856	0	2,414	682	760
215	U. WI Milwaukee	1,428	2,650	2,520	3,819	0	935	0	2,884
216	DE State U.	3,797 i	3,812	4,582	3,818	2,052	1,766	0	0
217	U. MD Baltimore County	3,402	10,588	8,029	3,668	0	3,668	0	0
218	Langston U.	3,578	3,848	3,661	3,582	3,582	0	0	0
219	St. Francis U. (Loretto, PA)	ne	4,894	3,946	3,542	0	0	0	3,542
220	Clark Atlanta U.	3,720	3,061	2,973	3,437	0	3,437	0	0
221	FL Atlantic U.	4,946	4,867	5,368	3,421	0	795	2,626	0
222	KY State U.	3,148	2,957	3,211	3,414	3,184	211	0	19
223	SUNY C. of Environmental Science and Forestry	4,878 i	5,872 i	5,874 i	3,412	705	2,707	0	0
224	U. NC Wilmington	3,581	3,205	2,096	3,305	987	2,143	175	0
225	Boise State U.	2,027	1,121	1,927	3,260	0	2,690	531	39
226	TX Southern U.	3,465	3,024	1,979	3,154	0	3,154	0	0
227	Western MI U.	2,275	2,973	2,902	3,124	0	1,682	7	1,435

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
228	Marquette U.	2,957	3,414	3,805	3,026	0	1,867	1,010	149
229	U. TX Dallas	4,714	5,103	2,847	2,985	0	2,410	575	0
230	U. NC Greensboro	2,530	2,547	3,565	2,964	0	2,052	0	912
231	TX A&M U. Corpus Christi	322	1,055	2,319	2,954	0	529	2,425	0
232	U. AR Pine Bluff	3,209	3,416	3,409	2,925	2,814	111	0	0
233	Ball State U.	1,943	2,953	3,482	2,807	26	1,567	446	768
234	Northeastern OH Universities C. of Medicine	2,964	3,267	2,754	2,777	0	2,777	0	0
235	Northern IL U.	1,456	2,599	2,198	2,751	0	1,061	1,631	59
236	U. MA Lowell	3,229	3,047	2,655	2,745	0	1,021	0	1,724
237	U. NC Charlotte	2,760	2,623	2,996	2,682	0	1,984	0	698
238	Ft. Valley State U.	2,558	2,492	2,570	2,610	2,610	0	0	0
239	Miami U. all campuses	1,486 i	2,321 i	2,281 i	2,598 i	0 i	2,598 i	0 i	0 i
240	Boston C.	3,015 e	3,539	2,330	2,531	0	1,934	0	597
241	U. MA Boston	882	1,448	1,519	2,519	0	1,508	1,007	4
242	U. Memphis, The	1,649	1,955	2,093	2,471	0	1,333	0	1,138
243	CUNY York C.	1,536	1,406	1,455	2,468	0	2,468	0	0
244	Xavier U. LA	3,098	2,671 i	2,101	2,465	0	202	2,263	0
245	Wesleyan U.	2,403	2,464	2,253	2,461	0	2,461	0	0
246	TX A&M U. Kingsville	2,508	3,230	2,623	2,434	514	1,920	0	0
247	CA State Polytechnic U. Pomona	3,701	2,448	2,128	2,402	169	2,233	0	0
248	Duquesne U.	2,031	2,493	1,973	2,298	0	827	979	492
249	U. MD Eastern Shore	1,409	1,642	1,651	2,288	1,030	5	1,253	0
250	Spelman C.	1,380	1,507	1,706	2,261	0	2,039	222	0
251	IL State U.	1,861	2,481	2,511	2,238	177	1,982	0	79
252	Stevens Institute of Technology	473	357	335	2,220	0	2,078	142	0
253	Old Dominion U.	836	1,240	1,981	2,205	0	1,376	205	624
254	U. Central FL	5,345	5,270	1,838	2,165	0	2,160	0	5
255	SUNY C. of Optometry	1,856	1,979	1,753	2,164	0	0	2,164	0
256	Southern IL U. Edwardsville	172	182	502	2,146	1,228	342	197	379
257	U. AK Anchorage all campuses	0 i	0	3,540	2,132	145	597	1,137	253
258	Lincoln U. (Jefferson City, MO)	1,452	1,821	1,878	2,107	2,107	0	0	0
259	Rensselaer Polytechnic Institute	841	967	2,376	2,034	0	2,034	0	0
260	U. PR Rio Piedras Campus	2,410	4,660	2,727	2,000	0	2,000	0	0
261	CA State U. Fullerton	813	1,008	1,863	1,961	18	512	1,058	373
262	CA State U. Long Beach	2,385	2,840	2,085	1,932	0	1,470	0	462
263	U. West FL	100	1,826	1,421	1,919	114	1,805	0	0
264	CA State U. Fresno	1,820	2,360	1,187	1,884 i	968 i	817 i	0 i	99 i
265	Fordham U.	255	519	1,639	1,865	0	1,564	301	0
266	Humboldt State U.	1,898 i	1,889 i	2,055	1,860	151	1,709	0	0
267	Long Island U. all campuses	440	151	1,845	1,859 i	0 i	52 i	1,807 i	0 i
268	Black Hills State U.	881	1,429	1,816	1,823	0	889	0	934
269	U. MO-St. Louis	2,286	2,194	2,331	1,807	0	1,737	12	58
270	Kent State U. all campuses	2,359	1,992	2,398	1,786	0	1,117	669	0
271	Teachers C. Columbia U.	1,980	2,210	2,612	1,786	0	0	0	1,786
272	Rochester Institute of Technology	1,242	1,265	1,463	1,718	0	165	1,553	0
273	Southern Methodist U.	1,357	1,640	1,907	1,688	0	1,688	0	0
274	WV State U.	1,275	1,973	1,867	1,678	1,401	63	214	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
275	U. Akron all campuses	1,352	1,641	1,713	1,640	0	1,036	424	180
276	U. Dayton	136	461	1,321	1,626	0	1,626	0	0
277	AL State U.	1,416	1,612	1,612	1,612	0	1,612	0	0
278	Western KY U.	997	1,372	1,950	1,596	264	1,332	0	0
279	Catholic U. America, The	1,266	1,906	1,397	1,543	0	1,543	0	0
280	U. DC	1,357	1,519	1,531	1,539	584	955	0	0
281	Morgan State U.	974	1,026	1,747	1,538	0	1,282	238	18
282	U. North TX	773	985	1,238	1,524	0	1,524	0	0
283	CUNY Herbert H. Lehman C.	1,129	1,580	1,280	1,502	0	1,483	0	19
284	PA C. of Optometry	1,407	1,060	1,543	1,500	0	1,500	0	0
285	U. Denver	2,219	2,076	1,929	1,465	0	1,465	0	0
286	Winston-Salem State U.	1,453 e	1,526 i	1,308 i	1,465 i	0 i	208 i	1,257 i	0 i
287	Lehigh U.	1,722	1,894	1,911	1,368	0	1,368	0	0
288	Seton Hall U.	607	1,187	1,054	1,297	0	739	318	240
289	Northwestern Health Sciences U.	ne	ne	800	1,289	0	0	0	1,289
290	Shaw U.	619	1,443	1,342	1,289	0	0	1,289	0
291	Nova Southeastern U.	486	101	1,281	1,252	0	0	1,252	0
292	CUNY Brooklyn C.	415	349	546	1,245	0	1,244	1	0
293	Desert Research Institute	0	1,713	869	1,243	0	1,243	0	0
294	U. TX-Pan American	1,143	1,051	1,201	1,237	35	255	947	0
295	LA Tech U.	1,343	1,545	1,869	1,225	452	462	311	0
296	Mercer U. all campuses	1,442	1,592	1,762	1,213	0	0	1,176	37
297	Hampton U.	2,972	1,197	2,405	1,203	0	53	1,053	97
298	West TX A&M U.	341	656	1,248	1,173	1,090	83	0	0
299	James Madison U.	561	957	1,138	1,172	0	910	262	0
300	Santa Clara U.	ne	1,131 i	1,160 i	1,170 i	5 i	424 i	694 i	47 i
301	Syracuse U. all campuses	3,579	3,044	1,688	1,170	0	1,170	0	0
302	Oakland U.	2,489	2,220	1,799	1,124	0	362	0	762
303	CA State Polytechnic U. San Luis Obispo	962	1,131	2,229	1,079	945	134	0	0
304	Cleveland State U.	769	1,585	1,524	1,072	0	963	53	56
305	Benedict C.	1,020	895	860	1,037	0	1,037	0	0
306	Morehouse C.	1,313 i	625	719	1,033	0	1,033	0	0
307	SUNY C. Old Westbury	921	685	918	1,014	0	1,014	0	0
308	Governors State U.	109 i	118	601	1,009	0	0	0	1,009
309	Tougaloo C.	343 i	289 i	329	1,007	0	23	984	0
310	U. MA Dartmouth	1,217	1,260	772	958	690	268	0	0
311	C. of William and Mary all campuses	1,053	1,130	1,332	956	0	818	0	138
312	U. CA, Merced	na	1,080	1,010	945	0	945	0	0
313	FL Institute of Technology	657	748	991	942	0	942	0	0
314	Southwest MO State U.	329	550	381	924	5	861	5	53
315	C. Charleston	399	259	897	911	74	837	0	0
316	Elizabeth City State U.	147	125	407	894	48	846	0	0
317	Stephen F. Austin State U.	654	731	1,217	893	572	321	0	0
318	SUNY Binghamton	1,179	683	1,013	890	0	742	0	148
319	Appalachian State U.	151	127	971	887	0	887	0	0
320	U. WI La Crosse	455	455	510	886	0	729	157	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
321	Clafin U.	255	222	930	864 i	0 i	864 i	0 i	0 i
322	Smith C.	568	476	884	858	0	858	0	0
323	U. New England	ne	ne	905	840	0	777	5	58
324	SC State U.	779	834	834	834	107	727	0	0
325	U. TX Arlington	504	819	746	806	0	806	0	0
326	Midwestern U. (Chicago, IL)	857	1,298	1,168	801	0	741	60	0
327	Bowling Green State U. all campuses	1,415	1,593	1,789	788	0	719	0	69
328	CA State U. Dominguez Hills	2,541	805	811	782	0	782	0	0
329	CA State U. East Bay	504 i	656	817	782	0	782	0	0
330	Bowdoin C.	472	905	845	765	0	765	0	0
331	CA State U. Northridge	799	1,040	256	757	0	757	0	0
332	Southeastern LA U.	1,169	1,091	1,268	745	0	704	0	41
333	Worcester Polytechnic Institute	456	489	397	741	0	741	0	0
334	Oglala Lakota C.	ne	ne	ne	734	0	734	0	0
335	New England C. of Optometry	1,958	1,474	1,125	729	0	0	729	0
336	GA Southern U.	1,031	1,031	741	725	0	604	121	0
337	Wellesley C.	650	561	779	723	0	723	0	0
338	U. Tulsa	1,058	849	687	714	0	714	0	0
339	AR State U. main campus	243	426	567	696	39	657	0	0
340	Western U. of Health Sciences	312	639	905	680	34	612	34	0
341	U. North FL	1,044	730	466	675	5	221	309	140
342	FL Gulf Coast U.	99	92	796	666	35	631	0	0
343	TX Woman's U.	1,053	852	636	661	0	605	8	48
344	U. of the Pacific	888	730	656	656	0	149	507	0
345	Milwaukee School of Engineering	441	381	487	645	0	645	0	0
346	Baylor U.	263	90	203	643	0	643	0	0
347	Western WA U.	466	566	663	643	0	643	0	0
348	U. AL Huntsville, The	1,257	1,154	836	634	0	570	0	64
349	Middlebury C.	493 i	535 i	579 i	625	0	625	0	0
350	U. PR Humacao	312	170	569	600	0	600	0	0
351	Adelphi U.	ne	129 i	214 i	594	0	594	0	0
352	Augustana C. (Sioux Falls, SD)	175	537	684	588	0	588	0	0
353	U. Central AR	645 i	645 i	710 i	579 i	258 i	275 i	23 i	23 i
354	TN Technological U.	616	677	430	577	0	577	0	0
355	Bates C.	267	425	721	574	0	574	0	0
356	San Jose State U.	248	242	482	572	0	572	0	0
357	U. AK Southeast all campuses	216 i	227	212	567	0	295	99	173
358	U. WI Oshkosh	624	518	579	567	0	551	15	1
359	Dillard U.	0	0 i	0 i	566	0	0	0	566
360	MT Tech of the U. MT	290	753	616	561	0	561	0	0
361	Philadelphia C. of Osteopathic Medicine	951	973	681	560	0	560	0	0
362	St. Cloud State U.	365	567	466	558	0	551	7	0
363	Clark U.	376 e	700	992	554	0	554	0	0
364	TX State U. San Marcos	524	543	309	554	0	554	0	0
365	St. John's U. (Jamaica, NY)	1,122 i	115	96	542	0	542	0	0
366	Davidson C.	16 i	14 i	12	531	0	531	0	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
367	Millsaps C.	ne	0 i	471	529	0	529	0	0
368	Lewis and Clark C.	60	65	346	525	0	525	0	0
369	U. WI Stevens Point	587	530	413	521	428	93	0	0
370	CA State U. Monterey Bay	369	531	675	517	0	0	0	517
371	U. Northern IA	339	371	260	515	482	33	0	0
372	Sul Ross State U.	152	506	495	505	279	226	0	0
373	Hope C.	512	558	711	502	0	502	0	0
374	Williams C.	366 i	505 i	623 i	497 i	86 i	200 i	162 i	49 i
375	Villanova U.	594 i	678 i	764 i	493	0	493	0	0
376	Daemen C.	ne	ne	ne	481	0	0	0	481
377	Western Carolina U.	766	315	228	477	0	239	0	238
378	Providence C.	160	183	353	458	0	458	0	0
379	Mt. St. Mary's C. (Los Angeles, CA)	482	494	462	454	0	454	0	0
380	Clarkson U.	300	321 i	524	451	0	451	0	0
381	U. PR Mayaguez Campus	571	343	737	444	107	337	0	0
382	St. Joseph's U.	402	506	471	441	0	441	0	0
383	SUNY C. Brockport	496	422	438	440	0	440	0	0
384	Roger Williams U. Bristol	72	316	480	434	0	434	0	0
385	Amherst C.	401	378	536	430	0	430	0	0
386	Fayetteville State U.	98	0	0	426	0	0	417	9
387	Ithaca C.	481	393	464	413	0	350	0	63
388	West Chester U. PA	130	231	122	413	0	280	0	133
389	Gallaudet U.	392	643	467	411	0	411	0	0
390	MT State U. Billings	ne	194 i	581	408	0	408	0	0
391	Universidad del Este	ne	ne	363	406	0	0	0	406
392	U. MO-Rolla	517	535	599	405	0	405	0	0
393	Northeastern State U.	577 i	625	833	404	0	395	9	0
394	Bluefield State C.	156	359	356	396	0	396	0	0
395	Savannah State U.	437	457	381	396	0	0	396	0
396	St. Olaf C.	154	205	231	390	0	390	0	0
397	Muhlenberg C.	ne	190	326	384	0	384	0	0
398	Mercy C.	ne	222 i	395	381	0	376	0	5
399	Middle TN State U.	444	118	238	375	0	294	0	81
400	Eastern IL U.	0 i	0 i	0 i	361	0	332	29	0
401	CA State U. Chico	189 i	336	356 i	356 i	103 i	253 i	0 i	0 i
402	Reed C.	222	253	291	356	0	356	0	0
403	Bucknell U.	104	87	431	352	0	352	0	0
404	National U. of Health Sciences	31	48	460	351	0	0	0	351
405	Central MI U.	117	243	267	349	16	260	73	0
406	Northern KY U.	130	360	442	343	0	343	0	0
407	Kennesaw State U.	19	242	84	341	0	112	229	0
408	U.S. Air Force Academy	389	341	386	330	0	330	0	0
409	U. LA Monroe	1,271	914	493	329	0	329	0	0
410	Pace U. all campuses	562	628	185	328	0	34	294	0
411	U. of the Sciences Philadelphia	207	249	499	322	0	14	308	0
412	Rider U.	399	307	372	321	0	321	0	0
413	Trinity U.	425	403	315	311	0	311	0	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
414	West Liberty State C.	ne	ne	442	310	0	310	0	0
415	Montclair State U.	151 i	281 i	409 i	299 i	0 i	299 i	0 i	0 i
416	Western IL U.	267	49	161	297	288	9	0	0
417	Colby C.	57	337	442	289	0	289	0	0
418	Eastern WA U.	107	106	158	284	0	284	0	0
419	Southern OR U.	444	308	322	282	0	282	0	0
420	Haverford C.	479 i	386 i	232 i	280 i	0 i	280 i	0 i	0 i
421	Maharishi U. of Management	2,531 e	492	499	280	0	0	280	0
422	Jacksonville State U.	ne	828	1,197	276	0	8	268	0
423	Norfolk State U.	177	238	229	271	0	201	0	70
424	Point Loma Nazarene C.	46 i	31	183	268	0	254	14	0
425	NM Institute of Mining and Technology	686	1,529 i	143	263	0	263	0	0
426	Eastern OR U.	0	279	376	255	183	72	0	0
427	Morehead State U.	159	613	179	254	3	251	0	0
428	Claremont McKenna C.	ne	ne	ne	253 i	1 i	143 i	40 i	69 i
429	U. PR Cayey	ne	ne	ne	253	0	253	0	0
430	Colgate U.	120	115	319	252	0	252	0	0
431	Hampshire C.	59	411	148	252	0	71	7	174
432	Albany C. of Pharmacy	235	351	524	250	0	0	250	0
433	Sonoma State U.	192	238	151	250	0	250	0	0
434	Vassar C.	207 i	224	334	245	0	221	24	0
435	U. Richmond	483	638	331	244	0	244	0	0
436	Carleton C.	300	222	209	242	0	242	0	0
437	Lincoln U. (Lincoln University, PA)	404	404	158	238	0	238	0	0
438	Central State U.	85 i	158	232	232	0	232	0	0
439	Ursinus C.	ne	ne	297	226	0	226	0	0
440	Mayville State U.	ne	185	243	224	0	224	0	0
441	U. Puget Sound	1	0	34	222	0	216	0	6
442	Bryn Mawr C.	112	277	212	219	0	219	0	0
443	Skidmore C.	358	700	297	217	0	217	0	0
444	Hofstra U.	12 i	33 i	338	216	0	216	0	0
445	CT C.	236 i	276	305	213	0	213	0	0
446	Truman State U.	52	96	95	213	0	213	0	0
447	Grand Valley State U.	42	37	33	212	0	196	0	16
448	Heritage U. (Toppenish, WA)	ne	266	254	210	0	190	20	0
449	U. Northern CO	372	611	384	208	0	208	0	0
450	Goucher C.	ne	ne	ne	203	0	203	0	0
451	Pomona C.	470	318	289	202	0	202	0	0
452	Southern U. and A&M C. all campuses	1,199	1,186 i	265	195	12	180	3	0
453	Central CT State U.	100	166	119	194	0	194	0	0
454	Franklin & Marshall C.	187	181	193	187	0	187	0	0
455	Siena C.	ne	ne	199 i	186 i	91 i	39 i	3 i	53 i
456	Loyola Marymount U.	104	111	114	185	0	185	0	0
457	Universidad Metropolitana	ne	1,252 i	138	179	0	26	0	153
458	U. TX Tyler	ne	36	30	179	0	179	0	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
459	NM Highlands U.	142	22	0	173	0	173	0	0
460	Sinte Gleska U.	ne	5	0	173	72	0	101	0
461	Hamilton C. (Clinton, NY)	106	117	107	168	0	168	0	0
462	Cheyney U. PA	0 i	0 i	278	166	0	0	0	166
463	CA State U. San Bernardino	120	347	327	163	8	24	0	131
464	Fairfield U.	21	3	0	163	0	0	0	163
465	U. WI Eau Claire	242	135	130	161	0	104	0	57
466	U. WI Whitewater	130	145	173	159	0	159	0	0
467	CA State U. Bakersfield	554 i	1,479	1,475	158	0	158	0	0
468	Murray State U.	747	410	542	157	0	157	0	0
469	Winona State U.	ne	ne	ne	155	56	91	0	8
470	Jacksonville U.	ne	ne	0	153	0	153	0	0
471	Towson U.	167	181	181	152	0	152	0	0
472	NY Institute of Technology all campuses	275	159	0	146	0	0	146	0
473	Calvin C.	208	218	88	145	0	145	0	0
474	MA C. of Pharmacy and Health Sciences	270	246 i	222 i	144	0	0	144	0
475	Pacific U.	0 i	0	125	142	0	78	56	8
476	Mills C.	ne	ne	132 i	140 i	0 i	136 i	1 i	3 i
477	Furman U.	276	319	374	139	0	139	0	0
478	Eastern KY U.	113	221	88	136	0	124	0	12
479	U. Scranton	1,142	784	326	131	0	131	0	0
480	U. West GA	200	361	131	131	0	131	0	0
481	Oberlin C.	111	216	58	129	0	129	0	0
482	Rhodes C.	220 i	239	119	129	0	129	0	0
483	Christopher Newport U.	270	243	279	128	0	128	0	0
484	Whitman C.	153	182	40	128	0	128	0	0
485	American U.	23	84	69	126	0	126	0	0
486	A.T. Still U. of Health Sciences	333	344	273	120	0	120	0	0
487	Bradley U.	182	98	97	119	0	119	0	0
488	Ft. Lewis C.	110	190	175	118	0	118	0	0
489	Youngstown State U.	146	219	31	115	0	104	0	11
490	Mt. Holyoke C.	371	101	275	114	0	114	0	0
491	Indiana U. PA all campuses	65	5	0	113	0	113	0	0
492	Macalester C.	310	278	228	113	0	113	0	0
493	Central WA U.	480	19	59	111	0	111	0	0
494	Sweet Briar C.	ne	ne	ne	111	0	111	0	0
495	Pittsburg State U.	190	79	120	109	0	109	0	0
496	Des Moines U.	78 e	115 i	153	108	0	0	108	0
497	Western CT State U.	ne	ne	ne	108	0	108	0	0
498	Bard C.	ne	81 i	ne	104 i	0 i	59 i	16 i	29 i
499	U. CA Office of the President	148	251	130	102	102	0	0	0
500	Trinity C. (Hartford, CT)	101	100	31	101	0	48	53	0
501	Millersville U. PA	83 i	89 i	95 i	99	0	99	0	0
502	Juniata C.	482	323	141	98	0	98	0	0
503	U. Central OK	49	81	150	98	69	29	0	0
504	SUNY C. Cortland	144	250	56	97	0	97	0	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
505	CUNY Medgar Evers C.	79	141	164	96	0	91	0	5
506	U. Portland	129	53	35	96	0	94	2	0
507	Rowan U.	25	58	76	95	0	95	0	0
508	Barnard C.	210 e	215	208	92	0	92	0	0
509	Dickinson C.	357	71	65	90	0	90	0	0
510	Drake U.	79	95	115	90	0	90	0	0
511	Harvey Mudd C.	404 i	382 i	95	88	50 i	18 i	19 i	1 i
512	Chapman U.	98	198	136	87	27	60	0	0
513	MI Technological U.	425	308	83	87	0	87	0	0
514	Eastern MI U.	765	670	607	86	0	0	86	0
515	Hendrix C.	147	73	154	85	0	85	0	0
516	Loyola U. New Orleans	153 i	165	93	84	0	84	0	0
517	Kalamazoo C.	82	142	171	81	0	81	0	0
518	U. Houston-Downtown	63	174	0	80	80	0	0	0
519	Wilberforce U.	400 i	720 i	1,040 i	80	0	0	80	0
520	IN State U. all campuses	238	70	123	76	0	76	0	0
521	Lake Forest C.	228	133	113	76	0	76	0	0
522	U. Houston-Clear Lake	88	173	154	76	0	76	0	0
523	TX Christian U.	147	168	204	74	0	0	0	74
524	C. of the Holy Cross	0	0	239	73	0	73	0	0
525	Union C. (Schenectady, NY)	374	204	75	72	0	72	0	0
526	Wheeling Jesuit U.	49 i	56 i	63 i	72	0	0	72	0
527	Northern MI U.	19 i	20 i	21 i	69	0	69	0	0
528	OH Wesleyan U.	194 i	162	90	69	0	69	0	0
529	Lawrence U.	111 i	113 i	14	68	0	68	0	0
530	Arcadia U.	ne	224 i	231 i	65	0	65	0	0
531	Evergreen State C.	158	105	118	65	0	65	0	0
532	Berry C.	ne	ne	69	64 i	5 i	59 i	0 i	0 i
533	Seattle U.	0	53	60 i	63 i	0 i	0 i	0 i	63 i
534	U. San Francisco	55	0	63	63	0	63	0	0
535	Occidental C.	35 i	6	32	61	0	61	0	0
536	Southeastern OK State U.	232	160	111	61	0	61	0	0
537	AR Tech U.	84 i	72 i	53 i	60 i	0 i	60 i	0 i	0 i
538	John Carroll U.	118	119	118	59	0	59	0	0
539	Sarah Lawrence C.	ne	ne	59	58	0	58	0	0
540	SUNY C. Geneseo	104	48	55	57	0	57	0	0
541	U. TX of the Permian Basin	ne	ne	ne	57	0	57	0	0
542	Wilkes U.	105	ne	0	57	0	57	0	0
543	Bowie State U.	235	198	124	56	0	56	0	0
544	Dowling C.	ne	ne	ne	56	0	56	0	0
545	Valparaiso U.	40	33	24	54	0	54	0	0
546	DePauw U.	47 i	47 i	50 i	52 i	0 i	49 i	2 i	1 i
547	Coe C.	ne	ne	ne	50	0	50	0	0
548	U. San Diego	210	337	138	50	0	50	0	0
549	MN State U. Mankato	57 i	16	29	49	0	49	0	0
550	DePaul U.	255	112	138	46	0	46	0	0
551	Simmons C.	33	36	40	45	0	45	0	0
552	Denison U.	64	60 i	81	44	0	44	0	0
553	C. NJ, The	0 i	0 i	16	43	0	43	0	0

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2007 life sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
554	C. Wooster	1 i	1 i	1 i	42	9	33	0	0
555	St. Mary's U. (San Antonio, TX)	0	0	0	40	0	5	0	35
556	U. WI Stout	134	47	31	40	0	40	0	0
557	Coastal Carolina U.	34	0	35	38	0	38	0	0
558	CO State U. Pueblo	395	379	299	38	0	38	0	0
559	Nicholls State U.	54	106	40	38	9	29	0	0
560	Washington and Lee U.	159 i	172	84	37	0	37	0	0
561	Allegheny C.	98	158	53	36	0	36	0	0
562	Troy U. main campus	ne	ne	40	36	0	36	0	0
563	U. Detroit Mercy	6 e	5 i	36	36 i	0 i	32 i	0 i	4 i
564	Pacific Lutheran U.	0 i	0 i	0 i	35	0	35	0	0
565	Gettysburg C.	ne	244	100	34	0	34	0	0
566	Swarthmore C.	220	133	572	34	0	34	0	0
567	Angelo State U.	ne	ne	24 i	33	28	5	0	0
568	Augustana C. (Rock Island, IL)	101	69	36	33 i	0 i	33 i	0 i	0 i
569	U. WI Parkside	336	300	205	33	0	33	0	0
570	William Paterson U. NJ	ne	ne	ne	32 i	8 i	18 i	3 i	3 i
571	U. of St. Thomas (St. Paul, MN)	53	93	69	28	0	28	0	0
572	IL Wesleyan U.	ne	48	72	24	0	18	6	0
573	U. WI River Falls	26	33	30	24	24	0	0	0
574	Lafayette C.	103	86	95	22	0	22	0	0
575	St. Mary's C. MD	61	45	111	22	0	22	0	0
576	CUNY C. Staten Island	487	594	98	20	0	20	0	0
577	SUNY C. Plattsburgh	35	61	73	18	0	18	0	0
578	CUNY Graduate Ctr.	1,198	15	0	16	0	16	0	0
579	Kansas City U. of Medicine and Biosciences	407	219	28	16	0	0	16	0
580	U. NC Pembroke	ne	ne	0	14	0	0	0	14
581	Miles C.	ne	ne	ne	8	0	8	0	0
582	TX A&M U. Commerce	9	5	0	8	8	0	0	0
583	CUNY John Jay C. of Criminal Justice	0	0	0	5	0	5	0	0
584	McNeese State U.	0	0	21	5	0	5	0	0
585	Seattle Pacific U.	ne	ne	ne	4 i	0 i	2 i	1 i	1 i
586	Andrews U.	36	10	1	2	0	2	0	0
587	Grambling State U.	1,159	1,262	237	2	2	0	0	0
588	Sam Houston State U.	123 i	7	331	2	2	0	0	0
589	Willamette U.	73	2	1	2	0	2	0	0
590	U. NC Asheville	10	45	112	1	0	1	0	0
591	Wabash C.	0	0	0	1	0	1	0	0
	All other surveyed institutions	19,572	19,322	16,631	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$25,385 in federally financed R&D expenditures in the life sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07 (Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	2,695,390	2,656,765	2,797,244	2,901,631	866,940	844,408	883,477	896,573
1	U. FL	127,866	135,943	139,882	144,699	27,330	24,095	22,447	21,877
2	U. CA, Davis	116,311	119,411	118,236	125,185	29,951	27,881	27,699	27,158
3	Purdue U. all campuses	94,778	94,060	99,355	106,595	26,786	25,571	26,540	28,751
4	U. GA	98,376	91,831	92,534	98,200	22,422	21,551	18,017	20,505
5	MS State U.	81,980	83,644	85,175	92,083	29,304	29,983	30,965	37,586
6	VA Polytechnic Institute and State U.	64,162	68,002	76,771	91,752	16,714	17,366	20,065	27,256
7	MI State U.	81,471	86,723	91,079	86,662	24,837	29,446	32,562	29,363
8	TX A&M U.	77,490	77,916	85,587	85,810	21,884	24,523	30,905	29,041
9	Cornell U. all campuses	79,371	84,180	87,004	85,636	26,800	29,585	33,539	28,098
10	NC State U.	68,916	63,948	77,488	78,860	10,605	10,412	12,144	14,140
11	PA State U. all campuses	77,983	72,115	73,884	76,713	20,329	21,126	21,244	22,524
12	U. MN all campuses	61,209	65,464	71,992	72,977	16,402	18,700	17,740	18,257
13	LA State U. all campuses	62,632	63,481	68,052	71,264	5,310	5,325	7,163	7,824
14	U. AZ	68,529	67,469	56,857	70,941	30,715	26,952	27,803	25,696
15	U. CA, Berkeley	72,018	68,247	69,794	65,749	25,687	26,222	26,076	23,672
16	OR State U.	54,495	55,269	60,383	60,671	23,935	22,661	24,592	24,462
17	WA State U.	45,949	45,903	51,153	60,532	12,051	11,280	13,503	13,203
18	OH State U. all campuses	61,518	44,454	58,109	59,270	22,960	15,947	15,499	16,244
19	U. IL Urbana-Champaign	50,554	54,498	49,812	57,552	15,110	16,873	15,573	17,478
20	U. NE all campuses	54,540	56,451	60,769	56,917	14,865	16,092	16,057	14,194
21	U. AR main campus	52,275	50,689	54,375	55,378	11,543	10,818	11,832	14,252
22	U. KY all campuses	52,141	51,114	54,404	55,315	8,265	9,473	11,497	12,103
23	IA State U.	45,693	54,885	57,331	54,882	13,408	19,257	19,504	16,664
24	Auburn U. all campuses	47,791	47,682	41,407	54,826	9,951	8,798	8,544	12,789
25	U. MO-Columbia	70,313	67,553	56,144	53,669	21,347	21,314	23,863	19,999
26	MT State U. Bozeman	40,895	48,069	52,271	53,630	16,543	23,919	27,186	25,393
27	KS State U.	50,556	50,237	50,442	52,359	15,028	14,585	11,989	12,722
28	ND State U. all campuses	50,163	46,551	47,637	46,401	7,520	8,776	7,934	6,711
29	U. MD College Park	36,246	37,806	40,904	43,584	10,332	10,145	12,050	13,111
30	U. WI Madison	43,238	43,665	43,572	42,913	16,314	16,139	16,341	14,409
31	U. TN all campuses	33,213	34,613	35,159	40,024	3,017	4,003	5,358	6,428
32	Rutgers, The State U. NJ all campuses	38,795	41,367	41,272	39,080	10,506	10,959	9,836	9,038
33	OK State U. all campuses	32,851	33,787	33,266	34,038	7,805	6,970	7,404	6,614
34	NM State U. main campus	20,196	22,696	34,297	32,711	9,410	9,920	10,777	11,466
35	Clemson U.	30,001	29,457	29,125	32,694	7,692	5,789	5,036	4,461
36	CO State U.	25,575	30,033	31,044	31,585	13,641	11,819	13,651	13,841
37	UT State U.	27,571	30,662	35,177	31,572	13,040	17,906	19,859	16,887
38	U. ID	34,530	34,088	32,227	31,538	15,411	14,667	14,306	13,694
39	WV U.	15,905	17,777	19,272	22,479	6,819	7,517	7,946	8,757
40	SD State U.	17,412	17,120	17,830	22,227	4,915	5,952	6,104	7,504
41	U. MA Amherst	15,321	17,017	19,183	20,795	7,367	8,313	9,037	9,689
42	U. WY	12,518 e	12,518	22,306	18,540	4,177 e	4,088	3,510	5,514
43	U. ME	12,811	11,359	23,481	18,256	4,179	3,453	6,393	5,710
44	U. DE	15,645	16,976	18,248	17,998	5,806	5,695	6,370	5,676
45	U. HI Manoa	15,883	15,626	15,379	17,993	13,816	13,825	12,914	13,153
46	U. NV, Reno	13,850	16,314	13,232	16,813	3,570	3,987	4,095	3,930
47	U. MD Biotechnology Institute	5,087	6,726	11,915	15,067	2,636	3,789	6,563	6,299
48	U. AK Fairbanks all campuses	12,713	12,752	14,827	14,592 i	4,568	5,975	8,434	8,541 i

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
49	TX Tech U.	10,953	11,707	14,275	14,281	2,267	2,918	3,416	3,776
50	U. WA	13,222	13,742	13,099	13,479	9,582	10,047	9,588	9,038
51	Southern IL U. Edwardsville	0	1,722	10,543	12,373	0	41	251	1,228
52	U. CA, Riverside	44,010	10,955	11,080	11,896	11,656	1,905	2,405	2,584
53	NC Agricultural and Technical State U.	7,882	8,827	10,227	10,856	3,660	3,992	3,842	3,628
54	U. RI	7,864	7,091	10,411	10,179	6,668	5,056	5,197	5,188
55	U. NH	12,117	11,920	9,731	9,820	2,503	3,860	3,613	2,949
56	U. MT-Missoula, The	9,784	10,252	9,495	9,805	6,017	6,579	5,886	5,850
57	U. CT all campuses	7,917	9,616	10,818	9,435	4,348	5,244	6,475	4,593
58	U. VT	6,993	7,805	7,744	9,252	2,875	3,755	3,877	5,866
59	U. MI all campuses	7,715	9,411	9,865	9,222	3,542	4,694	4,359	3,847
60	Alcorn State U.	5,566	6,256	6,593	9,056	5,566	5,396	5,706	7,874
61	Southern IL U. Carbondale	10,772	9,929	8,569	8,925	2,917	2,614	1,864	2,149
62	AL A&M U.	12,723	11,950	9,389	7,823	8,214	8,716	5,489	5,875
63	FL A&M U.	6,648	7,735	9,116	7,237	4,909	5,627	6,688	6,444
64	Prairie View A&M U.	5,326	6,063	5,880	7,174	3,441	3,406	3,972	4,826
65	VA State U.	5,504	4,703	7,844	6,907	5,206	2,386	5,551	6,534
66	TN State U.	6,118	6,362	6,494	6,499	3,556	3,600	3,913	3,752
67	TX A&M U. Kingsville	6,211	7,201	6,855	6,384	773	854	533	514
68	FL International U.	0	0	1	6,006	0	0	1	4,223
69	U. AR Pine Bluff	5,142	5,374	5,933	5,535	2,767	2,986	3,098	2,814
70	U. CA Office of the President	6,621	5,864	6,353	4,867	148	251	130	102
71	Northern AZ U.	5,448	5,688	5,830	4,658	4,032	4,043	3,679	2,317
72	Tarleton State U.	3,974	4,957	5,229	4,468	3,819	4,884	4,959	4,249
73	Langston U.	3,578	4,371	4,416	4,405	3,578	3,848	3,661	3,582
74	U. GU	3,817	3,445 i	3,790	3,997	3,817	3,429 i	3,790	3,969
75	CA State Polytechnic U. San Luis Obispo	3,198	4,336	4,756	3,686	196	987	2,050	945
76	CA State U. Fresno	10,867	9,108	8,336	3,633 i	1,187	2,284	609	968 i
77	SUNY C. of Environmental Science and Forestry	2,931 i	1,710 i	2,725 i	3,455	876 i	1,054 i	1,058 i	705
78	Tuskegee U.	2,649	2,522	2,694	3,313	2,512	2,392	2,512	3,088
79	KY State U.	3,148	2,957	3,152	3,281	3,148	2,957	3,066	3,184
80	U. Toledo	492	2,608	3,259	3,272	355	1,926	2,150	2,520
81	Lincoln U. (Jefferson City, MO)	2,076	2,384	2,797	3,159	1,452	1,821	1,878	2,107
82	U. CA, Santa Cruz	2,726	2,563	2,524	2,715	463	489	492	488
83	Yale U.	1,582	1,465	1,149	2,662	639	625	540	1,919
84	Ft. Valley State U.	2,596	2,497	2,570	2,610	2,558	2,492	2,570	2,610
85	DE State U.	2,240 i	2,109	2,614	2,440	1,982 i	1,862	2,370	2,052
86	West TX A&M U.	1,434	1,809	2,630	2,434	309	589	1,170	1,090
87	WV State U.	986	2,075	2,271	2,355	956	1,688	1,671	1,401
88	Stephen F. Austin State U.	2,601	1,872	3,165	1,869	433	459	359	572
89	Brigham Young U. all campuses	273	262	1,833	1,546	140	118	629	570
90	U. Southern ME	48 i	60 i	74	1,476	40 i	50 i	62	1,065
91	U. NC Wilmington	1,429	2,321	1,725	1,400	1,020	594	494	987
92	AR State U. main campus	505	834	803	1,337	0	14	20	39
93	U. DC	1,277	1,323	1,109	1,165	710	618	587	584
94	U. Central AR	513 i	580 i	1,106 i	1,135 i	286 i	286 i	316 i	258 i
95	U. WI Stevens Point	1,042	884	849	1,132	538	481	379	428
96	U. MD Eastern Shore	152	1,288	1,401	1,088	82	1,236	1,347	1,030

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
97	Morgan State U.	0	64	358	1,074	0	0	0	0
98	U. PA	489	336	765	1,014	184	9	27	12
99	U. HI Hilo	1,063	1,933	356	1,012	913	1,902	356	988
100	AZ State U.	725	604	998	879	469	436	651	583
101	LA Tech U.	470	551	607	852	207	231	262	452
102	U. KS all campuses	589	1,245	1,051	834	405	924	626	462
103	U. MA Dartmouth	1,064	1,180	744	739	914	962	594	690
104	CA State U. Chico	615 i	649 i	686 i	703 i	55 i	97 i	103 i	103 i
105	U. Northern IA	514	543	384	673	335	371	260	482
106	Western IL U.	848	216	278	607	219	28	131	288
107	Sul Ross State U.	237	380	362	590	82	186	168	279
108	Temple U.	310	304	471	581	121	152	310	91
109	IL State U.	451	481	494	528	0	30	90	177
110	Humboldt State U.	2,725 i	2,796 i	907	487	1,552 i	1,543 i	434	151
111	Angelo State U.	ne	ne	91 i	481	ne	ne	8 i	28
112	TX A&M U. System Health Science Ctr.	0	62	8	478	0	0	0	326
113	GA Institute of Technology all campuses	0	0	0	379	0	0	0	0
114	East Carolina U.	218	355	747	370	143	113	51	30
115	U. WI Platteville	254 i	292	412	363	0 i	0	0	0
116	Western KY U.	306	334	487	301	248	334	441	264
117	U. LA Lafayette	681	457	279	257	4	13	0	128
118	Eastern OR U.	0	0	0	248	0	0	0	183
119	Southwest MO State U.	500	753	119	199	22	74	0	5
120	U. TX Austin	177	186	189	198	0	0	0	0
121	Williams C.	146 i	163 i	192 i	184 i	65 i	89 i	109 i	86 i
122	Jackson State U.	380	0	0	173	346	0	0	145
123	CA State Polytechnic U. Pomona	408	248	173	169	408	248	173	169
124	U. West FL	36	0	43	167	8	0	43	114
125	Harvey Mudd C.	581 i	458 i	103 i	154 i	221 i	210 i	52 i	50 i
126	U. AK Anchorage all campuses	0 i	0	63	145	0 i	0	0	145
127	TX A&M U. Commerce	130	111	94	136	9	5	0	8
128	Long Island U. all campuses	0 i	0 i	106	116 i	0 i	0 i	0	0 i
129	U. PR Mayaguez Campus	330	416	129	109	245	83	122	107
130	SC State U.	100	107	107	107	100	107	107	107
131	Siena C.	ne	ne	98 i	98 i	ne	ne	98 i	91 i
132	C. Charleston	141	222	105	96	70	152	81	74
133	Winona State U.	ne	ne	ne	92	ne	ne	ne	56
134	Sam Houston State U.	44 i	79	86	84	16 i	0	21	2
135	U. Houston-Downtown	0	0	0	80	0	0	0	80
136	U. WI River Falls	145	112	111	79	26	33	30	24
137	Western U. of Health Sciences	0	0	0	77	0	0	0	34
138	Sinte Gleska U.	ne	5	0	72	ne	5	0	72
139	Ball State U.	64	32	104	70	22	2	33	26
140	U. Central OK	7	28	79	69	0	19	79	69
141	Middle TN State U.	18	21	33	67	0	0	0	0
142	Portland State U.	106 e	51	65	55	39 e	27	2	17
143	Tufts U.	146	98	90	49	27	0	0	0
144	Elizabeth City State U.	0	0	10	48	0	0	10	48
145	Chapman U.	0	27	1	45	0	0	0	27

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07 (Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
146	FL Gulf Coast U.	99	66	16	36	99	66	15	35
147	CA State U. San Bernardino	0	135	103	35	0	128	26	8
148	Central MI U.	0	0	5	35	0	0	5	16
149	U. TX-Pan American	35	40	28	35	35	40	28	35
150	U. CA, San Diego	0	0	55	34	0	0	0	0
151	TX State U. San Marcos	58 i	209	168	32	54	73	23	0
152	U. Louisville	8	23	63	32	0	5	50	27
153	CA State U. Fullerton	5	28	35	31	0	0	6	18
154	Murray State U.	16	30	41	27	0	0	0	0
155	U. CO all campuses	0	0	13	25	0	0	0	23
156	U. North FL	0	0	0	25	0	0	0	5
157	Berry C.	ne	ne	19	21 i	ne	ne	6	5 i
158	Morehead State U.	34	0	5	19	0	0	0	3
159	U. NM main campus	41,759	0	26	17	34,143	0	16	14
160	William Paterson U. NJ	ne	ne	ne	16 i	ne	ne	ne	8 i
161	TN Technological U.	14	26	16	15	0	0	0	0
162	CA State U. Monterey Bay	136	86	113	12	94	73	113	0
163	Southern U. and A&M C. all campuses	362	363 i	8	12	333	329 i	5	12
164	C. Wooster	0 i	0 i	0 i	9	0 i	0 i	0 i	9
165	Nicholls State U.	0	0	21	9	0	0	6	9
166	Abilene Christian U.	0	4	4	8	0	0	0	0
167	Truman State U.	2	11	6	8	2	11	6	0
168	Eastern IL U.	0 i	0 i	0 i	7	0 i	0 i	0 i	0
169	Santa Clara U.	ne	5 i	5 i	5 i	ne	5 i	5 i	5 i
170	Andrews U.	2	2	2	2	0	0	0	0
171	Grambling State U.	65	40	4	2	0	40	4	2
172	Claremont McKenna C.	ne	ne	ne	1 i	ne	ne	ne	1 i
173	Fairleigh Dickinson U. all campuses	ne	ne	ne	1 i	ne	ne	ne	0 i
174	McNeese State U.	9	10	0	1	0	0	0	0
175	TX A&M U. Corpus Christi	7	1	8	1	7	0	0	0
176	U. MO-St. Louis	0	1	0	1	0	0	0	0
	All other surveyed institutions	7,755	1,125	1,130	0	6,332	658	953	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	8,152,438	8,843,512	9,048,080	9,217,644	5,743,895	6,198,491	6,246,103	6,199,005
1	Scripps Research Institute, The	307,910	330,170	367,375	360,511	236,989	272,969	268,533	267,073
2	Baylor C. of Medicine	237,838	235,747	225,128	218,881	185,576	175,008	165,321	154,688
3	Rockefeller U.	169,753	176,916	189,558	205,475	71,044	75,714	82,119	74,598
4	Washington U. St. Louis	178,256	188,459	182,243	194,937	147,027	154,543	147,525	151,921
5	Johns Hopkins U., The ^a	158,490	171,374	187,148	192,686 i	131,938	136,643	145,266	149,966 i
6	U. WI Madison	155,682	167,191	169,105	185,569	89,736	96,752	96,270	108,784
7	U. NC Chapel Hill	143,891	161,548	174,836	180,232	114,461	129,588	134,582	136,349
8	U. PA	170,081	183,039	183,593	175,535	129,805	137,179	135,923	127,821
9	MA Institute of Technology	106,095	142,194	148,428	167,642	97,747	124,890	128,295	137,218
10	U. TX M. D. Anderson Cancer Ctr.	142,326	135,884	150,997	157,664	63,268	58,788	57,882	62,337
11	Emory U.	56,521	61,922	67,089	153,488	49,420	54,826	57,605	117,488
12	U. TX Southwestern Medical Ctr. Dallas	135,239	142,294	146,709	145,683	85,369	86,919	83,460	82,507
13	U. CA, Davis	125,408	129,433	133,159	137,106	59,286	65,043	68,244	71,023
14	Columbia U. in the City of NY	123,468	150,438	142,100	135,089	108,485	124,422	118,026	110,033
15	Vanderbilt U.	120,991	125,819	132,937	130,808	105,530	108,372	109,469	104,345
16	Yale U.	120,311	125,653	135,460	129,724	98,117	100,953	102,955	100,519
17	U. MI all campuses	115,929	124,738	124,418	118,489	90,778	99,390	99,387	102,549
18	LA State U. all campuses	95,079	105,194	107,689	110,766	50,485	57,525	62,217	63,156
19	U. FL	59,437	96,057	104,077	108,994	38,423	52,492	54,163	51,130
20	U. CA, Irvine	87,335	88,481	101,087	106,557	62,823	65,144	71,824	69,039
21	Duke U.	71,459	77,924	105,237	106,088	57,723	60,860	84,429	86,151
22	Harvard U.	63,427	70,389	89,924	106,007	59,100	62,175	78,615	89,751
23	U. NE all campuses	95,811	103,582	104,705	102,465	47,336	51,720	53,910	50,796
24	OR Health & Science U.	83,807	104,081	102,631	101,710	80,413	99,197	97,471	95,171
25	MI State U.	90,781	89,315	100,132	101,268	38,947	43,926	49,386	51,624
26	SUNY Albany	90,232	102,721	96,729	97,165	79,427	88,828	88,253	87,035
27	OH State U. all campuses	86,864	94,325	90,631	96,934	56,742	54,104	51,943	51,715
28	U. GA	85,560	92,693	90,624	93,005	41,506	47,432	43,155	46,539
29	U. of Medicine and Dentistry NJ	81,562	89,134	98,308	92,477	59,688	60,741	67,643	61,053
30	U. Cincinnati all campuses	72,188	70,936	68,813	91,109	51,104	49,415	46,726	60,206
31	Northwestern U.	85,943	90,240	92,527	89,299	60,667	65,185	63,044	59,890
32	NY U.	51,765	87,311	88,581	88,914	43,399	72,025	69,172	65,498
33	U. AZ	76,621	90,145	74,685	88,319	48,410	51,276	48,045	46,235
34	U. AL Birmingham, The	92,860	84,351	87,652	88,108	81,821	79,308	80,828	79,199
35	Cornell U. all campuses	78,771	86,775	90,080	86,088	46,579	52,306	53,871	49,260
36	U. WA	86,950	81,810	94,439	85,218	79,701	75,379	85,227	74,927
37	U. KS all campuses	70,110	75,122	75,347	84,259	45,962	50,972	49,094	50,734
38	U. TX Medical Branch	88,794	91,691	72,399	81,943	54,703	60,578	43,572	57,521
39	Tufts U.	88,343	80,837	79,566	81,748	70,488	66,044	61,934	59,270
40	U. MN all campuses	63,087	70,065	78,536	81,490	39,668	46,310	49,715	51,114
41	NC State U.	73,478	78,147	76,664	81,256	28,818	31,091	31,641	34,870
42	U. Chicago	70,322	77,354	79,292	80,394	60,291	66,548	65,916	66,986
43	Mt. Sinai School of Medicine	84,429	75,090	85,388	79,439	66,690	68,167	75,883	70,623
44	IN U. all campuses	79,709	72,993	82,403	77,022	51,619	54,169	52,469	52,547
45	Rutgers, The State U. NJ all campuses	60,444	66,915	67,415	76,808	28,564	37,790	36,193	41,655
46	Case Western Reserve U.	66,203	102,910	88,087	73,070	55,682	70,859	69,042	57,521
47	U. IL Chicago	61,673	70,047	69,725	72,521	44,363	48,168	47,876	49,507
48	U. KY all campuses	64,430	66,019	67,792	68,073	36,976	40,119	40,136	39,588

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
49	U. CT all campuses	61,017	63,536	70,028	67,521	41,630	42,397	45,070	44,959
50	U. IL Urbana-Champaign	61,911	61,322	60,838	64,368	36,436	35,639	37,276	36,039
51	Medical U. SC	50,040	57,044	57,236	62,519	40,398	42,665	42,879	45,679
52	U. CO all campuses	52,743	55,572	56,331	60,264	46,611	48,539	49,391	51,222
53	U. IA	61,428	61,768	60,914	59,204	38,961	36,763	36,047	32,952
54	U. Rochester	52,590	55,176	53,821	58,446	43,641	46,203	44,604	48,395
55	VA Polytechnic Institute and State U.	19,560	44,038	57,229	57,746	9,024	18,074	24,391	22,005
56	WA State U.	51,776	51,973	53,045	57,728	26,192	25,832	26,046	25,937
57	SUNY Buffalo all campuses	61,850	60,307	57,937	56,996	42,504	43,455	40,522	35,316
58	U. VA all campuses	64,567	66,798	64,536	56,905	53,977	56,910	56,002	49,083
59	U. MA Worcester	57,951	58,543	61,571	56,562	51,693	51,744	54,385	51,212
60	U. TX Health Science Ctr. San Antonio	50,930	54,610	56,850	55,568	35,567	40,346	39,775	36,287
61	U. CA, Berkeley	57,014	59,425	57,147	54,635	38,510	39,175	38,509	36,307
62	U. MD Baltimore	47,594	45,659	60,789	53,828	21,183	19,391	27,924	24,632
63	SUNY Stony Brook all campuses	64,640	54,983	51,599	53,799	42,817	43,617	31,543	29,567
64	U. MO-Columbia	44,439	48,290	48,291	53,736	20,542	25,970	25,994	28,611
65	U. CA, Riverside	12,672	52,794	50,742	53,697	5,817	18,016	19,091	18,616
66	U. TN all campuses	51,630	57,372	56,063	50,692	39,205	41,445	43,834	38,532
67	Thomas Jefferson U.	54,101	47,882	49,272	49,720	50,229	43,660	42,589	39,893
68	CA Institute of Technology	44,270	44,305	44,259	47,522	42,498	40,582	37,955	38,850
69	Medical C. WI	42,144	49,796	46,850	45,620	30,434	35,683	31,881	30,918
70	VA Commonwealth U.	38,709	43,884	47,756	44,232	29,300	33,200	35,540	35,920
71	U. UT	39,745	41,241	40,630	44,014	30,161	31,175	30,522	34,504
72	AZ State U.	26,137	41,565	40,756	43,875	12,468	16,719	21,680	23,512
73	Medical C. GA	36,915	44,745	39,610	43,819	23,837	29,529	30,216	30,862
74	PA State U. all campuses	40,941	42,657	43,241	42,988	19,690	20,666	20,182	20,845
75	Wayne State U.	3,341	44,056	41,413	42,918	2,247	27,503	25,247	21,649
76	Purdue U. all campuses	40,187	45,300	46,305	42,430	20,827	24,484	27,453	24,161
77	U. AR for Medical Sciences	30,558	34,689	37,992	42,334	25,496	20,775	26,712	28,073
78	OR State U.	39,711	42,259	41,655	42,113	20,947	21,395	22,406	21,461
79	U. OK all campuses	36,428	37,686	42,569	40,696	24,215	26,124	30,031	27,432
80	TX A&M U.	35,476	37,893	41,401	40,690	10,605	12,110	15,432	14,596
81	IA State U.	44,794	37,958	38,054	39,020	20,089	18,145	18,418	16,822
82	U. CA, San Diego	60,730	50,936	35,479	38,380	42,718	37,592	25,459	26,235
83	Princeton U.	38,198	41,607	38,653	38,002	26,212	27,757	25,520	25,394
84	Brown U.	7,565 i	23,456	31,805	35,240	4,699 i	18,420	23,869	26,863
85	U. NM main campus	32,218	51,499	42,293	32,132	22,749	37,624	35,869	26,053
86	U. TX Austin	26,222	28,521	29,550	31,596	19,558	19,887	20,429	20,954
87	U. VT	34,079	35,625	37,669	31,469	27,554	29,389	30,088	28,115
88	Tulane U.	28,974	29,328	26,016	31,020	18,186	19,314	18,144	24,409
89	U. CA, San Francisco	43,548	43,574	44,073	28,606	33,166	33,040	35,296	21,327
90	Meharry Medical C.	23,433	23,534	28,588	28,572	23,154	23,534	26,624	28,572
91	KS State U.	27,250	29,602	28,416	28,229	17,702	19,331	16,588	14,119
92	Brandeis U.	27,311	29,005	27,465	27,422	22,200	24,115	22,277	21,862
93	U. MD Biotechnology Institute	22,491	27,736	28,938	26,586	10,988	15,342	17,039	13,973
94	NY Medical C.	25,141	24,345	25,798	26,117	18,989	18,932	19,934	19,837
95	U. Miami	26,588	28,957	27,251	25,738	21,194	24,166	21,800	22,400
96	CO State U.	28,867	27,974	24,262	25,071	22,126	16,153	16,962	16,997
97	OK State U. all campuses	22,559	21,612	23,209	24,073	10,707	10,016	9,097	9,089

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
98	Drexel U.	21,311	23,104	26,525	24,025	17,407	16,705	20,338	18,446
99	U. North TX Health Science Ctr. Ft. Worth	14,727	15,973	19,572	23,069	11,943	13,495	16,248	16,070
100	U. TX Health Science Ctr. Houston	42,199	21,762	24,351	22,983	36,512	18,600	21,617	20,640
101	U. MA Amherst	16,148	16,309	19,340	22,757	11,152	10,971	12,194	15,236
102	Stanford U.	20,985	23,097	22,016	21,662	17,567	18,116	17,250	15,642
103	U. NV, Reno	26,455	27,087	25,448	21,313	20,509	21,728	21,596	20,759
104	Clemson U.	17,155	16,846	19,712	20,763	8,058	7,092	7,381	6,330
105	U. CA, Los Angeles	20,010	21,823	21,148	20,469	15,256	16,895	16,260	15,912
106	Temple U.	21,928	21,634	20,689	20,393	17,056	15,953	15,102	14,048
107	Rush U.	18,889	18,833	18,817	19,366	12,575	13,675	14,040	12,141
108	FL State U.	16,645	15,422	18,249	18,658	9,397	9,020	10,654	10,700
109	U. AK Fairbanks all campuses	16,480	16,810	18,846	18,638 i	8,760	10,336	12,032	12,187 i
110	U. Pittsburgh all campuses	13,773	13,957	14,192	17,612	12,177	11,696	11,756	15,090
111	U. Louisville	12,311	12,987	16,925	17,106	5,369	5,578	9,424	9,614
112	U. Southern CA	12,709	14,261	13,939	16,999	9,686	10,468	10,905	10,834
113	U. ID	14,208	13,941	15,755	16,796	10,319	9,148	8,647	9,020
114	WV U.	12,881	14,776	18,045	16,527	7,794	8,352	11,303	10,512
115	U. of Notre Dame	12,420	13,894	14,151	16,488	10,003	10,849	11,537	12,665
116	Auburn U. all campuses	17,718	14,434	8,178	16,383	5,193	4,224	2,910	3,114
117	U. Toledo	1,819	1,566	2,259	16,354	973	909	1,431	11,480
118	Howard U.	15,207	17,042	13,471	16,140	14,627	16,508	13,007	14,186
119	U. TX San Antonio	7,720	11,308	15,127	15,963	6,776	9,520	12,075	12,169
120	U. MD College Park	10,527	12,183	12,107	15,576	8,241	9,229	8,752	11,740
121	GA Institute of Technology all campuses	10,980	11,941	14,655	15,456	5,553	5,355	6,961	6,507
122	U. MT-Missoula, The	11,777	12,758	13,073	15,189	8,613	9,568	9,412	9,389
123	U. WY	10,757 e	14,553	19,512	15,161	4,395 e	7,930	8,295	6,363
124	George Washington U.	13,727	16,080	12,637	14,971	10,114	12,077	9,048	10,321
125	U. South FL	13,578	13,777	17,296	14,959	10,281	10,834	12,007	11,863
126	Albany Medical C.	15,287	15,043	15,806	14,541	11,837	11,525	11,152	9,521
127	MT State U. Bozeman	15,143	20,194	17,472	14,501	10,574	14,432	13,680	10,922
128	Georgetown U.	23,406	20,419	20,807	13,916	20,769	18,118	17,020	11,515
129	U. ME	15,871	13,872	11,750	13,609	5,491	3,825	4,594	5,254
130	Northern AZ U.	6,595	8,444	13,079	13,250	4,451	6,211	8,006	7,791
131	GA State U.	12,890	14,817	16,074	12,690	7,812	7,960	7,384	6,286
132	San Diego State U.	14,062	16,662	14,289	12,368	8,550	10,282	8,398	7,780
133	FL International U.	5,601	8,759	11,504	12,092	4,223	4,524	9,961	9,356
134	U. CA, Santa Cruz	10,967	10,861	12,261	11,911	6,366	6,680	7,505	6,864
135	Rosalind Franklin U. of Medicine and Science	8,648	9,347	10,963	11,394	6,087	7,401	9,489	7,148
136	U. NH	12,119	12,836	11,998	11,228	6,016	7,113	7,664	6,910
137	Loyola U. Chicago	17,123	17,851	15,527	10,783	14,280	13,364	11,559	9,412
138	SUNY Health Science Ctr. Brooklyn	17,678 i	13,506	11,578	10,621	15,389 i	11,963	9,979	8,184
139	U. SC all campuses	9,780	8,813	10,435	10,571	7,244	5,673	8,237	8,509
140	SUNY Upstate Medical U.	10,056	9,815	9,562	10,497	8,877	8,876	8,758	9,251
141	U. OR	10,178	11,612	10,214	10,461	7,579	8,753	7,831	8,361
142	Northeastern U.	7,069	12,545	11,705	10,449	4,610	6,530	7,030	6,455
143	Rice U.	9,565	10,509	10,473	10,412	8,564	9,499	8,909	7,461
144	CUNY Hunter C.	12,552	11,859	11,469	10,258	7,812	7,494	7,076	6,183
145	U. MS all campuses	9,863	9,949	9,744	9,851	6,723	6,917	7,047	7,091

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
146	TX Tech U. Health Science Ctr.	5,672	7,581	10,786	9,748	4,481	4,073	6,143	4,895
147	U. South AL	383	282	8,211	9,588	339	199	7,590	7,638
148	IL Institute of Technology	4,877	4,818	7,549	9,462	4,142	4,645	7,255	8,729
149	UT State U.	10,851	9,909	9,586	9,330	5,347	5,607	5,203	4,612
150	Loma Linda U.	12,975	12,690	12,511	8,685	12,244	12,038	11,596	7,679
151	Southern IL U. Carbondale	6,457	7,060	8,116	8,560	2,912	3,472	4,338	3,762
152	Uniformed Services U. of the Health Sciences	4,208	5,536	7,461	8,234	1,358	1,675	2,868	2,647
153	Creighton U.	8,052	8,632	8,697	8,075	5,739	6,235	4,449	4,699
154	SUNY C. of Environmental Science and Forestry	6,248 i	5,883 i	5,534 i	7,802	4,002 i	4,818 i	4,816 i	2,707
155	Boston U.	9,144	9,283	8,772	7,592	8,701	8,968	8,267	6,988
156	U. HI Manoa	4,127	4,630	3,287	7,424	2,243	1,738	2,431	4,104
157	Dartmouth C.	5,042	6,563	5,316	7,325	4,125	4,418	4,145	5,329
158	East Carolina U.	6,324	7,334	7,134	6,929	5,289	6,103	6,139	5,375
159	U. DE	6,283	6,048	5,490	6,884	4,409	4,517	4,195	5,023
160	OH U. all campuses	7,624	8,788	7,270	6,399	2,940	3,300	3,220	2,809
161	U. CA, Santa Barbara	4,586	5,169	5,737	6,338	3,653	4,156	4,595	5,226
162	U. Houston	7,591	9,025	7,763	6,034	5,555	5,890	5,694	4,007
163	U. Southern MS	4,977	5,742	6,950	5,905	4,672	5,583	6,510	5,603
164	U. Southern ME	2,623 i	3,055 i	3,487	5,894	972 i	1,215 i	1,457	2,699
165	Eastern VA Medical School	6,606	7,378	6,399	5,761	4,833	5,651	5,019	4,425
166	Miami U. all campuses	3,525 i	4,314 i	4,542 i	5,537 i	1,486 i	2,321 i	2,281 i	2,598 i
167	U. MD Baltimore County	3,521	11,175	10,110	5,455	3,402	10,588	8,029	3,668
168	Carnegie Mellon U.	5,038	4,727	4,936	5,433	4,404	3,846	4,000	4,043
169	U. MO-Kansas City	6,700	6,900	5,649	5,301	3,813	4,176	3,964	3,352
170	Brigham Young U. all campuses	5,096	5,087	4,470	5,233	3,517	3,414	3,235	4,352
171	CUNY The City C.	3,571	4,670	4,012	5,218	3,428	4,276	3,581	3,873
172	Jackson State U.	3,571	5,185	6,587	5,024	3,251	4,404	5,298	4,219
173	Northeastern OH Universities C. of Medicine	5,420	5,489	5,201	4,955	2,964	3,267	2,754	2,777
174	ND State U. all campuses	2,596	3,617	3,557	4,608	1,591	1,450	1,541	2,643
175	George Mason U.	3,330	3,003	4,446	4,460	1,927	2,321	3,002	2,864
176	CA State U. Los Angeles	1,930	2,689	1,446	4,442	1,925	2,612	1,416	4,372
177	MS State U.	6,152	5,748	5,211	4,415	4,301	3,824	3,460	2,615
178	TX Tech U.	4,571	4,962	4,923	4,360	2,015	2,303	1,886	1,157
179	Rensselaer Polytechnic Institute	956	1,159	3,573	4,352	841	967	2,376	2,034
180	Portland State U.	1,967 e	3,671	4,698	4,029	1,362 e	2,879	4,146	3,483
181	U. TX Dallas	2,136	2,468	4,332	4,001	1,191	1,370	2,440	2,410
182	NM State U. main campus	4,790	5,696	4,760	3,999	3,599	4,190	3,680	3,499
183	U. Memphis, The	5,120	4,877	4,273	3,960	1,326	1,414	1,238	1,333
184	SD State U.	2,823	4,190	3,985	3,953	967	1,057	938	1,742
185	Clark Atlanta U.	3,919	4,057	3,452	3,903	3,720	3,061	2,973	3,437
186	U. TX El Paso	2,176	3,131	3,569	3,880	1,990	2,572	3,205	1,836
187	NC Central U.	2,886 i	3,364 i	3,499	3,762	2,886 i	3,364 i	3,499	3,762
188	Humboldt State U.	859 i	878 i	3,359	3,736	344 i	344 i	1,621	1,709
189	U. CA Office of the President	4,027	3,919	3,444	3,673	0	0	0	0
190	Old Dominion U.	1,839	2,598	3,187	3,639	535	634	1,376	1,376
191	San Francisco State U.	2,847 i	5,056	5,271	3,540	2,847 i	4,375	4,541	3,126
192	Boston C.	3,225 e	3,275	3,144	3,519	2,144 e	2,550	1,456	1,934
193	ID State U.	1,895	2,396	2,419	3,389	848	1,452	1,357	2,177
194	U. LA Lafayette	4,075	3,754	3,331	3,379	2,211	2,405	1,550	1,397

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
195	Wesleyan U.	3,666	3,675	3,724	3,358	2,403	2,464	2,253	2,461
196	Morehouse School of Medicine	10,158	10,259	8,737	3,293	8,752	8,950	8,661	3,119
197	U. NV, Las Vegas	3,340 i	4,737	4,295	3,290	2,024 i	3,985	2,906	2,171
198	TX Southern U.	3,804	3,231	2,016	3,160	3,465	3,024	1,979	3,154
199	U. RI	3,210	3,992	4,936	3,094	1,891	1,976	2,294	2,137
200	U. Central FL	3,590	3,866	2,353	3,043	2,553	2,798	817	2,160
201	U. AR main campus	2,126	3,920	3,341	3,030	1,543	2,313	2,060	1,773
202	U. North TX	1,552	2,318	2,613	3,019	773	985	1,238	1,524
203	Kent State U. all campuses	1,407	1,490	2,119	2,931	1,191	1,139	1,628	1,117
204	U. CA, Merced	na	1,311	2,333	2,891	na	1,080	1,010	945
205	U. NC Wilmington	3,072	5,003	1,729	2,880	2,514	2,523	1,561	2,143
206	U. PR Rio Piedras Campus	2,645	5,893	3,391	2,810	2,410	4,660	2,727	2,000
207	Boise State U.	2,326	1,238	1,982	2,762	2,027	1,121	1,927	2,690
208	U. AL, The	2,423	2,597	2,613	2,692	1,658	1,827	1,646	2,414
209	TX A&M U. Kingsville	1,972	2,806	2,505	2,690	1,735	2,376	2,090	1,920
210	U. MO-St. Louis	2,698	3,179	3,289	2,686	1,861	2,089	2,210	1,737
211	U. NC Charlotte	2,787	2,815	2,746	2,645	2,652	2,513	2,197	1,984
212	East TN State U.	2,781	2,521	2,651	2,586	2,340	2,105	2,222	2,163
213	Syracuse U. all campuses	3,389	2,972	2,355	2,564	3,197	2,769	1,453	1,170
214	CUNY York C.	1,536	1,421	1,455	2,470	1,536	1,406	1,455	2,468
215	IL State U.	2,100	2,746	2,720	2,439	1,711	2,201	2,252	1,982
216	Wright State U. all campuses	2,781	2,779	3,301	2,386	763	458	936	866
217	U. Denver	3,546	3,223	2,788	2,362	2,219	2,076	1,929	1,465
218	U. MA Boston	1,485	1,417	1,439	2,345	705	902	724	1,508
219	FL Atlantic U.	3,622	3,939	4,288	2,329	2,394	2,363	2,736	795
220	Fordham U.	1,026	1,281	1,929	2,293	226	515	1,303	1,564
221	U. ND all campuses	2,137	1,624	1,917	2,273	1,623	1,192	1,268	1,591
222	CA State U. Long Beach	2,030	2,275	2,305	2,241	1,832	1,989	1,442	1,470
223	CA State Polytechnic U. Pomona	3,293	2,200	1,955	2,233	3,293	2,200	1,955	2,233
224	U. NC Greensboro	2,389	1,747	2,576	2,227	2,239	1,601	2,375	2,052
225	U. HI Hilo	858	4,047	97	2,185	562	3,821	97	2,155
226	Cleveland State U.	2,008	2,740	2,956	2,179	739	1,512	1,245	963
227	Midwestern U. (Chicago, IL)	2,447	2,904	2,549	2,145	824	1,293	1,111	741
228	Stevens Institute of Technology	162	198	120	2,100	162	198	120	2,078
229	U. West FL	499	2,029	1,661	2,060	76	1,779	1,378	1,805
230	Marquette U.	1,999	2,189	2,480	2,051	1,855	2,053	2,189	1,867
231	Spelman C.	1,380	1,507	1,706	2,039	1,380	1,507	1,706	2,039
232	C. of William and Mary all campuses	1,935	2,082	2,493	2,037	1,033	1,130	1,217	818
233	Duquesne U.	1,831	2,201	2,188	2,020	743	968	828	827
234	Western MI U.	1,705	1,794	1,713	2,008	1,311	1,264	1,320	1,682
235	Southern Methodist U.	1,558	2,117	2,207	1,997	1,357	1,640	1,907	1,688
236	Southern IL U. Edwardsville	2,172	1,622	1,310	1,991	172	141	167	342
237	Western WA U.	1,447	1,648	1,673	1,963	466	477	385	643
238	SUNY Binghamton	2,111	1,939	2,454	1,952	619	679	1,000	742
239	Ball State U.	1,640	2,218	2,391	1,943	1,210	1,949	1,987	1,567
240	U. LA Monroe	798	654	1,757	1,925	386	257	493	329
241	U. Dayton	262	580	1,437	1,873	135	461	1,321	1,626
242	DE State U.	1,815 i	1,959	2,253	1,810	1,815 i	1,950	2,212	1,766
243	U. WI Milwaukee	1,771	1,846	1,439	1,802	657	537	515	935
244	CUNY Herbert H. Lehman C.	1,308	1,648	1,572	1,765	1,129	1,580	1,280	1,483

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
245	AR State U. main campus	750	1,518	1,493	1,704	243	412	547	657
246	Morehouse C.	940 i	744	1,081	1,686	940 i	625	719	1,033
247	Marshall U.	2,083	1,132	739	1,650	1,717	1,025	298	907
248	Stephen F. Austin State U.	735	1,589	2,164	1,617	221	272	858	321
249	AL State U.	1,416	1,612	1,612	1,612	1,416	1,612	1,612	1,612
250	Catholic U. America, The	817	1,349	1,480	1,608	780	1,258	1,382	1,543
251	PA C. of Optometry	1,509	1,149	1,642	1,587	1,407	1,060	1,543	1,500
252	Western KY U.	945	1,288	1,789	1,584	749	1,038	1,509	1,332
253	Lehigh U.	1,968	2,322	2,255	1,535	1,722	1,894	1,911	1,368
254	Philadelphia C. of Osteopathic Medicine	0	0	929	1,530	0	0	681	560
255	U. Akron all campuses	1,380	1,661	1,600	1,506	892	1,206	1,239	1,036
256	Desert Research Institute	0	1,816	1,023	1,490	0	1,588	869	1,243
257	CUNY Brooklyn C.	488	295	1,154	1,457	286	179	546	1,244
258	NC Agricultural and Technical State U.	949	1,525	1,605	1,438	482	1,162	1,366	1,199
259	Northern IL U.	1,639	2,037	1,914	1,415	1,266	1,782	1,497	1,061
260	TX State U. San Marcos	263 i	1,054	987	1,384	159	428	286	554
261	U. MA Lowell	1,200	1,036	885	1,378	982	867	774	1,021
262	CA State U. East Bay	660 i	932	917	1,365	504 i	656	817	782
263	Baylor U.	760	610	745	1,292	263	90	203	643
264	U. TX Arlington	723	730	900	1,290	423	434	552	806
265	Morgan State U.	978	852	1,287	1,282	831	738	1,228	1,282
266	Black Hills State U.	566	870	1,251	1,257	336	761	836	889
267	Bowling Green State U. all campuses	1,108	1,270	2,186	1,253	761	788	991	719
268	FL Institute of Technology	924	952	1,296	1,209	657	748	991	942
269	Hope C.	655	1,141	1,409	1,201	512	558	711	502
270	TX Woman's U.	876	1,032	1,069	1,182	483	569	508	605
271	SUNY C. Old Westbury	973	819	1,062	1,166	921	685	918	1,014
272	C. Charleston	281	234	1,059	1,125	121	102	816	837
273	U. AR Little Rock	202	217	1,070 i	1,114 i	66	0	0 i	0 i
274	Southeastern LA U.	1,556	1,375	1,600	1,083	1,169	1,029	1,203	704
275	U. AL Huntsville, The	2,004	1,774	1,645	1,074	1,176	1,153	836	570
276	Bowdoin C.	684	1,120	1,074	1,065	472	905	845	765
277	Smith C.	906	798	1,468	1,061	568	476	884	858
278	TX A&M U. Corpus Christi	516	198	395	1,059	275	8	54	529
279	U. DC	594	905	998	1,059	564	901	944	955
280	Southwest MO State U.	406	509	437	1,051	307	414	317	861
281	Benedict C.	1,035	990	965	1,038	1,020	895	860	1,037
282	Appalachian State U.	327	283	1,163	1,020	151	127	971	887
283	Wichita State U.	1,556	951	901	1,015	877	678	797	797
284	Pomona C.	562	591	839	1,003	470	318	289	202
285	FL Gulf Coast U.	208	392	847	981	0	26	781	631
286	James Madison U.	750	986	842	981	490	824	842	910
287	Central MI U.	489	670	592	966	48	116	110	260
288	TN State U.	1,395	1,371	1,328	963	1,327	1,336	1,310	958
289	U. SD	661	717	985	956	598	684	887	802
290	Murray State U.	1,412	999	1,361	955	654	384	542	157
291	Clafin U.	255	222	930	925 i	255	222	930	864 i
292	MI Technological U.	809	1,063	869	923	425	308	83	87

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
293	Worcester Polytechnic Institute	486	585	434	921	456	489	397	741
294	Amherst C.	701	646	827	916	401	378	536	430
295	St. Louis U. all campuses	15,806 e	13,304	16,246	907	13,879 e	12,567	13,860	792
296	U. AK Anchorage all campuses	0 i	0	960	904	0 i	0	741	597
297	St. Cloud State U.	281	472	471	884	61	183	248	551
298	LA Tech U.	1,875	2,036	2,276	880	1,136	1,314	1,503	462
299	U. New England	ne	ne	875	861	ne	ne	758	777
300	Clark U.	474 e	978	1,455	859	343 e	700	992	554
301	Elizabeth City State U.	147	125	397	846	147	125	397	846
302	CA State U. Fresno	682	83	541	825 i	633	76	515	817 i
303	CA State U. Dominguez Hills	2,964	982	854	806	2,541	805	811	782
304	U. WI La Crosse	630	533	538	800	455	395	391	729
305	CA State U. Northridge	912	991	358	797	750	908	256	757
306	U. Tulsa	1,416	1,331	884	794	1,058	849	687	714
307	Wake Forest U.	721	546	489	782	697	533	425	559
308	U. Central AR	433 i	472 i	784 i	772 i	305 i	305 i	336 i	275 i
309	Lewis and Clark C.	125	181	510	752	60	65	346	525
310	Milwaukee School of Engineering	534	489	584	748	441	381	487	645
311	Western U. of Health Sciences	713	455	549	748	175	427	549	612
312	Wellesley C.	700	574	781	746	649	561	779	723
313	U. WI Oshkosh	726	641	801	743	624	518	572	551
314	Seton Hall U.	776	958	730	740	597	830	720	739
315	GA Southern U.	864	620	542	734	805	536	426	604
316	Oglala Lakota C.	ne	ne	ne	734	ne	ne	ne	734
317	TN Technological U.	825	850	629	732	616	677	430	577
318	Western Carolina U.	766	315	266	728	766	315	228	239
319	SC State U.	679	727	727	727	679	727	727	727
320	St. Olaf C.	316	421	639	721	154	205	231	390
321	Middlebury C.	635 i	658 i	681 i	711	493 i	535 i	579 i	625
322	FL A&M U.	779	1,129	1,674	694	745	1,119	1,674	689
323	Clarkson U.	749	698 i	826	683	300	321 i	524	451
324	U. PR Humacao	317	187	771	672	312	170	569	600
325	Reed C.	438	357	399	662	222	253	291	356
326	Grand Valley State U.	89	82	53	648	42	26	21	196
327	CA State U. Fullerton	701	455	389	631	608	312	268	512
328	U. MO-Rolla	661	664	714	610	517	535	599	405
329	Bates C.	369	448	758	602	267	425	721	574
330	Augustana C. (Sioux Falls, SD)	175	537	684	595	175	537	684	588
331	Adelphi U.	ne	129 i	214 i	594	ne	129 i	214 i	594
332	San Jose State U.	483	458	482	591	248	242	482	572
333	St. John's U. (Jamaica, NY)	744 i	329	297	575	723 i	115	96	542
334	Davidson C.	46 i	41 i	34	573	16 i	14 i	12	531
335	CA State U. Bakersfield	733 i	0	4,648	563	286 i	0	1,300	158
336	Villanova U.	557 i	632 i	705 i	563	525 i	599 i	675 i	493
337	MT Tech of the U. MT	290	753	616	561	290	753	616	561
338	Northern KY U.	253	546	616	548	130	360	442	343
339	Millsaps C.	ne	37 i	471	529	ne	0 i	471	529
340	Providence C.	223	214	373	526	160	183	353	458
341	Northeastern State U.	46 i	535	783	522	43 i	392	600	395
342	Southern U. and A&M C. all campuses	789	794 i	419	505	777	769 i	260	180

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
343	Bucknell U.	112	300	555	501	104	87	431	352
344	Tougaloo C.	343 i	289 i	333	499	343 i	289 i	329	23
345	Oakland U.	736	597	598	497	549	534	470	362
346	SUNY C. Brockport	553	527	487	495	423	422	438	440
347	U. PR Mayaguez Campus	564	447	898	492	326	260	615	337
348	Haverford C.	704 i	533 i	397 i	485 i	479 i	386 i	232 i	280 i
349	MT State U. Billings	ne	108 i	633	485	ne	108 i	581	408
350	St. Joseph's U.	437	581	545	479	402	506	471	441
351	A.T. Still U. of Health Sciences	444	492	640	475	333	344	273	120
352	U. MA Dartmouth	169	190	263	465	43	70	89	268
353	Macalester C.	514	501	434	459	310	278	228	113
354	Franklin & Marshall C.	390	401	317	456	187	181	193	187
355	Mt. St. Mary's C. (Los Angeles, CA)	482	494	462	454	482	494	462	454
356	Truman State U.	75	105	120	454	50	85	89	213
357	CUNY Queens C.	673	559	315	451	386	373	147	209
358	Santa Clara U.	ne	410 i	424 i	437 i	ne	410 i	421 i	424 i
359	Roger Williams U. Bristol	0	316	480	434	0	316	480	434
360	CA State U. Chico	342 i	404 i	427 i	431 i	134 i	239 i	253 i	253 i
361	Colgate U.	314	200	459	425	120	115	319	252
362	IN State U. all campuses	441	292	467	417	141	57	123	76
363	MN State U. Mankato	509 i	51	148	416	0 i	7	28	49
364	Union C. (Schenectady, NY)	378	457	578	415	97	204	75	72
365	West Liberty State C.	ne	ne	508	415	ne	ne	442	310
366	Gallaudet U.	392	643	467	411	392	643	467	411
367	Colby C.	170	446	575	406	57	337	442	289
368	Calvin C.	433	475	386	405	208	218	88	145
369	Middle TN State U.	673	235	303	404	444	91	114	294
370	Mt. Holyoke C.	701	394	367	402	371	101	275	114
371	Morehead State U.	284	904	295	401	159	613	179	251
372	Bluefield State C.	156	359	0	396	156	359	0	396
373	U. Richmond	602	777	422	396	483	638	331	244
374	Ithaca C.	401	388	313	393	334	321	274	350
375	Muhlenberg C.	ne	190	326	387	ne	190	326	384
376	Eastern IL U.	0 i	0 i	0 i	386	0 i	0 i	0 i	332
377	Trinity U.	651	645	433	386	425	403	315	311
378	Montclair State U.	342 i	444 i	478 i	382 i	151 i	281 i	409 i	299 i
379	Nicholls State U.	448	590	383	380	54	106	34	29
380	Mercy C.	ne	115 i	395	376	ne	115 i	395	376
381	Hamilton C. (Clinton, NY)	177	150	117	373	106	117	107	168
382	U. Northern CO	610	697	431	365	372	511	311	208
383	Occidental C.	299 i	354	280	360	35 i	6	32	61
384	Dillard U.	61	125 i	191 i	359	0	0 i	0 i	0
385	West TX A&M U.	111	175	194	359	32	67	78	83
386	Fairfield U.	330	419	345	357	21	3	0	0
387	Williams C.	273 i	319 i	381 i	356 i	146 i	202 i	250 i	200 i
388	CA State Polytechnic U. San Luis Obispo	1,614	422	465	346	732	144	179	134
389	Carleton C.	409	392	223	342	300	222	209	242
390	Rider U.	519	330	393	339	399	307	372	321
391	U. TX Tyler	ne	49	165	336	ne	0	30	179

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
392	Arcadia U.	ne	81 i	85 i	334	ne	81 i	84 i	65
393	Eastern WA U.	198	139	211	334	107	106	158	284
394	U. North FL	80	397	685	334	65	247	386	221
395	U.S. Air Force Academy	742	634	327	330	389	281	327	330
396	NM Highlands U.	140	30	0	328	86	22	0	173
397	U. West GA	275	565	275	325	200	361	131	131
398	Jacksonville U.	ne	ne	165	317	ne	ne	0	153
399	Southern OR U.	490	413	365	317	444	308	322	282
400	West Chester U. PA	172	255	141	314	130	231	122	280
401	Bryn Mawr C.	468	453	625	313	112	277	212	219
402	U. AK Southeast all campuses	130 i	211	343	310	103 i	106	196	295
403	Sonoma State U.	218	380	307	302	192	238	151	250
404	Tuskegee U.	197	188	238	292	196	187	188	232
405	NM Institute of Mining and Technology	1,106	1,613 i	249	290	686	1,529 i	143	263
406	CT C.	280 i	322	339	284	236 i	276	305	213
407	U. TX-Pan American	187	529	475	278	183	360	346	255
408	Sul Ross State U.	156	425	396	273	70	320	327	226
409	Prairie View A&M U.	538	596	383	266	460	551	337	260
410	U. Scranton	1,157	847	401	260	1,142	784	326	131
411	Point Loma Nazarene C.	46 i	31	183	254	46 i	31	183	254
412	U. PR Cayey	ne	ne	ne	253	ne	ne	ne	253
413	Dickinson C.	620	213	94	246	357	71	65	90
414	Loyola Marymount U.	170	142	268	245	104	111	114	185
415	C. Wooster	1 i	1 i	1 i	241	1 i	1 i	1 i	33
416	Lincoln U. (Lincoln University, PA)	404	404	158	238	404	404	158	238
417	Hofstra U.	79 i	82 i	351	234	12 i	33 i	338	216
418	Ursinus C.	ne	ne	309	234	ne	ne	297	226
419	Skidmore C.	520	739	312	233	358	700	297	217
420	Central State U.	0 i	158	232	232	0 i	158	232	232
421	Northwestern State U.	42 i	43 i	248	232	0 i	0 i	0	0
422	U. Puget Sound	16	26	61	231	1	0	34	216
423	Christopher Newport U.	270	287	455	230	270	243	279	128
424	Mayville State U.	ne	0	243	224	ne	0	243	224
425	Chapman U.	109	203	353	221	32	62	136	60
426	TX A&M U. System Health Science Ctr.	90	76	48	221	90	76	48	221
427	Vassar C.	106 i	92 i	287	221	37 i	40 i	287	221
428	Sweet Briar C.	ne	ne	ne	220	ne	ne	ne	111
429	U. San Diego	225	206	103	219	16	78	54	50
430	U. Northern IA	5	0	9	212	4	0	0	33
431	KY State U.	0	0	108	211	0	0	108	211
432	Winston-Salem State U.	206 i	216 i	185 i	208 i	206 i	216 i	185 i	208 i
433	Rochester Institute of Technology	55	229	274	207	55	121	112	165
434	Goucher C.	ne	ne	ne	203	ne	ne	ne	203
435	Western CT State U.	ne	ne	ne	202	ne	ne	ne	108
436	Xavier U. LA	548	469 i	187	202	525	452 i	186	202
437	Central CT State U.	100	166	119	201	100	166	119	194
438	Norfolk State U.	177	238	237	201	177	238	229	201
439	St. Mary's C. MD	230	184	203	201	61	45	111	22
440	Towson U.	230	243	225	197	167	181	181	152

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
441	U. Portland	199	111	177	195	100	28	17	94
442	Indiana U. PA all campuses	122	9	2	193	65	5	0	113
443	Heritage U. (Toppenish, WA)	ne	238	230	190	ne	238	230	190
444	Trinity C. (Hartford, CT)	114	548	191	187	101	100	31	48
445	Central WA U.	528	164	111	185	480	19	59	111
446	Roanoke C.	195	161	171	184	77	23	19	0
447	U. WI Whitewater	183	168	185	182	130	145	173	159
448	Juniata C.	537	349	200	175	482	323	141	98
449	Western IL U.	118	173	94	175	48	21	30	9
450	Furman U.	277	327	420	173	276	319	374	139
451	Pittsburg State U.	279	218	209	173	190	79	120	109
452	Bradley U.	168	139	169	172	150	98	97	119
453	Loyola U. New Orleans	247 i	265	214	167	153 i	165	93	84
454	Barnard C.	212 e	711	650	152	210 e	215	208	92
455	U. of the Pacific	149	159	111	149	149	159	111	149
456	Winona State U.	ne	ne	ne	147	ne	ne	ne	91
457	Eastern KY U.	205	342	273	146	113	221	88	124
458	U. WI Stevens Point	101	118	50	146	49	49	34	93
459	Claremont McKenna C.	ne	ne	ne	143 i	ne	ne	ne	143 i
460	U. Houston-Clear Lake	146	234	199	142	88	173	154	76
461	Ft. Lewis C.	139	193	187	141	110	190	175	118
462	Eastern OR U.	148	157	392	138	0	72	265	72
463	Pacific U.	0 i	0	164	138	0 i	0	125	78
464	Rhodes C.	253 i	262	123	138	219 i	239	119	129
465	Grinnell C.	170	531	118	137	0	347	0	0
466	Youngstown State U.	232	264	94	137	146	219	31	104
467	Mills C.	ne	ne	128 i	136 i	ne	ne	128 i	136 i
468	Oberlin C.	57	192	55	136	40	158	53	129
469	Swarthmore C.	332	248	682	136	220	133	572	34
470	Whitman C.	319	267	117	134	153	182	40	128
471	Willamette U.	149	66	114	133	73	2	1	2
472	Rowan U.	111	128	152	131	25	58	76	95
473	Drake U.	138	138	157	130	79	95	115	90
474	Lake Forest C.	338	170	142	130	228	133	113	76
475	American U.	42	92	76	128	23	84	69	126
476	U. WI Eau Claire	158	82	71	127	61	53	56	104
477	OH Wesleyan U.	238 i	218	146	125	194 i	162	90	69
478	Northern MI U.	106 i	112 i	118 i	123	19 i	20 i	21 i	69
479	Pace U. all campuses	647	723	240	123	562	628	180	34
480	U. San Francisco	67	19	94	122	55	0	63	63
481	C. NJ, The	141 i	114 i	196	121	0 i	0 i	16	43
482	Millersville U. PA	113 i	114 i	115 i	121	83 i	89 i	95 i	99
483	Pacific Lutheran U.	51 i	57 i	63 i	121	0 i	0 i	0 i	35
484	Kennesaw State U.	23	22	7	112	19	15	7	112
485	U. AR Pine Bluff	154	127	58	111	125	106	47	111
486	CUNY C. Staten Island	510	118	141	110	443	67	98	20
487	Kalamazoo C.	245	221	186	109	82	142	171	81
488	SUNY C. Geneseo	201	72	108	107	104	48	55	57
489	Wilkes U.	127	ne	89	106	105	ne	0	57
490	U. NC Asheville	12	73	148	101	10	45	112	1
491	SUNY C. Cortland	195	341	98	100	144	250	56	97

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
492	Wabash C.	48	13	44	99	0	0	0	1
493	Angelo State U.	ne	ne	73 i	98	ne	ne	12 i	5
494	Jacksonville State U.	ne	13	21	96	ne	3	0	8
495	VA State U.	141	85	140	95	141	62	109	70
496	CUNY Medgar Evers C.	66	114	140	91	66	114	140	91
497	C. of the Holy Cross	16	0	261	90	0	0	239	73
498	U. of St. Thomas (St. Paul, MN)	91	146	111	89	53	93	69	28
499	Canisius C.	76 i	83 i	343	87	36 i	38 i	68	0
500	U. WI Stout	169	56	42	87	134	47	31	40
501	CO State U. Pueblo	274	305	223	86	273	303	219	38
502	Hendrix C.	77	60	153	85	77	26	141	85
503	Lawrence U.	266 i	268 i	42	84	111 i	113 i	14	68
504	CA State U. San Bernardino	148	196	374	81	120	183	286	24
505	SUNY Fredonia	61	74	108	81	51	3	19	0
506	U. GU	190	171 i	164	81	124	111 i	125	36
507	Dowling C.	ne	ne	ne	80	ne	ne	ne	56
508	AR Tech U.	318 i	72 i	71 i	79 i	84 i	72 i	53 i	60 i
509	AL A&M U.	277	347	54	77	277	347	54	74
510	Long Island U. all campuses	166 i	87 i	74	77 i	120 i	42 i	52	52 i
511	Southeastern OK State U.	244	170	122	73	232	160	111	61
512	U. of the South	ne	44	53	72	ne	1	0	0
513	Hampshire C.	0	146	24	71	0	146	24	71
514	Allegheny C.	134	270	60	70	98	158	53	36
515	Denison U.	81	77 i	105	68	64	60 i	81	44
516	Berry C.	ne	ne	67	65 i	ne	ne	63	59 i
517	Evergreen State C.	158	105	118	65	158	105	118	65
518	U. of the Sciences Philadelphia	0	0	0	64	0	0	0	14
519	Saginaw Valley State U.	41	35	54	63	0	0	0	0
520	WV State U.	97	46	9	63	97	44	9	63
521	Gettysburg C.	ne	262	126	62	ne	244	100	34
522	DePaul U.	269	151	127	61	255	112	110	46
523	U. WI Parkside	349	310	232	61	336	300	205	33
524	Mercer U. all campuses	74	86	12	60	0	0	0	0
525	U. TX of the Permian Basin	ne	ne	ne	60	ne	ne	ne	57
526	Bard C.	ne	49 i	ne	59 i	ne	49 i	ne	59 i
527	John Carroll U.	118	119	118	59	118	119	118	59
528	Sarah Lawrence C.	ne	ne	59	58	ne	ne	59	58
529	Tarleton State U.	78	1	38	58	11	0	0	0
530	Bowie State U.	235	198	124	56	235	198	124	56
531	Simmons C.	0	36	40	56	0	36	40	45
532	Troy U. main campus	ne	ne	47	56	ne	ne	40	36
533	Valparaiso U.	40	33	24	54	40	33	24	54
534	Hampton U.	216	0	251	53	211	0	251	53
535	Lafayette C.	103	105	117	53	103	86	95	22
536	Augustana C. (Rock Island, IL)	101	69	54	52 i	101	69	36	33 i
537	Coe C.	ne	ne	ne	52	ne	ne	ne	50
538	Harvey Mudd C.	209 i	164 i	37 i	51 i	81 i	77 i	20 i	18 i
539	DePauw U.	44 i	44 i	47 i	49 i	44 i	44 i	47 i	49 i
540	TX A&M U. Commerce	55	2	27	45	0	0	0	0
541	Siena C.	ne	ne	41 i	41 i	ne	ne	41 i	39 i
542	Coastal Carolina U.	37	5	42	40	34	0	35	38

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
543	U. Central OK	48	50	12	37	39	50	12	29
544	Washington and Lee U.	160 i	174	104	37	159 i	172	84	37
545	Fairleigh Dickinson U. all campuses	ne	ne	ne	36 i	ne	ne	ne	0 i
546	SUNY C. Buffalo	17	42	338	36	0	0	0	0
547	Mercyhurst C.	ne	ne	38	35	ne	ne	0	0
548	Edward Waters C.	ne	ne	ne	32 i	ne	ne	ne	0 i
549	Seattle Pacific U.	ne	ne	ne	32 i	ne	ne	ne	2 i
550	U. Detroit Mercy	0 e	0 i	32	32 i	0 e	0 i	32	32 i
551	Bridgewater State C.	18	25	23	31 i	0	0	0	0 i
552	La Salle U.	86	ne	0	31	57	ne	0	0
553	Northeastern IL U.	5	27	65	30	5	3	1	0
554	U. Redlands	36	24	28	29	36	16	0	0
555	McNeese State U.	37	17	28	28	0	0	21	5
556	Universidad Metropolitana	ne	759 i	116	26	ne	759 i	116	26
557	U. WI River Falls	11	9	4	26	0	0	0	0
558	Andrews U.	53	39	23	24	34	10	1	2
559	William Paterson U. NJ	ne	ne	ne	24 i	ne	ne	ne	18 i
560	U. IL Springfield	3	3	4	22	0	0	0	0
561	SUNY C. Plattsburgh	55	76	145	20	35	61	73	18
562	TX Christian U.	38	67	25	20	33	37	0	0
563	Eastern MI U.	855	687	693	19	765	552	513	0
564	IL Wesleyan U.	ne	75	104	18	ne	48	72	18
565	VA Military Institute	14	47	41	18	0	0	0	0
566	CUNY Graduate Ctr.	38	15	0	16	38	15	0	16
567	Lamar U.	7	37	7	15	0	0	0	0
568	NY Institute of Technology all campuses	0	0	0	13	0	0	0	0
569	U. Hartford	45	2	54	12	0	0	0	0
570	U. WI Platteville	0 i	0	0	9	0 i	0	0	0
571	Miles C.	ne	ne	ne	8	ne	ne	ne	8
572	Gustavus Adolphus C.	138	154	74	7	82	114	31	0
573	U. WI Superior	54	18	6	7	21	0	0	0
574	Abilene Christian U.	1	10	4	6	0	0	0	0
575	CUNY John Jay C. of Criminal Justice	0	4	1	5	0	0	0	5
576	St. Mary's U. (San Antonio, TX)	0	0	0	5	0	0	0	5
577	U. MD Eastern Shore	922	11	0	5	900	11	0	5
578	CUNY Baruch C.	32	77	0	4	29	76	0	0
579	U. Houston-Downtown	85	174	3	1	63	174	0	0
580	U. WI Green Bay	0	0	0	1	0	0	0	0
	All other surveyed institutions	65,305	67,563	18,898	0	53,269	54,528	14,065	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$21,433 in total and \$21,269 in federally financed R&D expenditures in the biological sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	14,036,845	14,877,017	15,805,263	16,514,708	9,389,025	9,895,887	10,437,593	10,574,346
1	U. CA, San Francisco	655,164	684,829	726,412	791,633	363,563	386,327	409,402	430,118
2	U. CA, Los Angeles	542,745	563,613	588,366	591,779	314,885	332,692	348,376	352,191
3	Duke U.	355,060	449,006	445,961	559,803	219,195	242,207	254,542	290,692
4	Johns Hopkins U., The ^a	430,141	468,404	482,051	470,397	350,909	380,345	383,671	372,297
5	U. Pittsburgh all campuses	372,068	424,482	431,979	459,260	316,980	341,308	344,632	363,436
6	U. CA, San Diego	297,330	329,104	367,030	406,734	193,365	216,561	235,268	246,444
7	U. WA	374,135	380,970	425,425	405,409	328,194	327,365	356,361	335,062
8	Stanford U.	352,967	369,032	367,077	386,323	278,738	294,503	293,745	305,272
9	U. PA	296,842	330,178	345,668	333,479	219,636	237,837	243,855	229,575
10	Washington U. St. Louis	261,722	284,068	303,602	315,077	190,661	209,301	221,654	232,679
11	U. WI Madison	272,640	274,207	291,087	307,521	131,296	143,683	147,492	143,685
12	U. Southern CA	210,001	224,343	230,525	294,385	144,882	157,793	159,249	195,959
13	U. MN all campuses	249,193	257,309	273,730	291,585	160,320	164,148	164,727	173,581
14	U. MD Baltimore	253,834	243,517	324,208	287,081	112,977	103,416	148,928	131,369
15	U. TX M. D. Anderson Cancer Ctr.	175,286	208,920	251,472	277,049	69,144	84,689	101,190	104,406
16	U. MI all campuses	248,080	264,077	273,961	275,750	170,700	187,636	199,517	196,150
17	Yale U.	245,106	247,481	265,451	264,678	192,715	191,926	205,489	208,585
18	U. AL Birmingham, The	193,390	210,668	222,625	243,376	158,762	186,578	193,004	172,631
19	Columbia U. in the City of NY	196,759	210,729	222,509	241,740	169,272	183,008	189,285	206,503
20	Cornell U. all campuses	198,299	205,905	234,064	237,853	136,419	148,417	158,011	151,628
21	OH State U. all campuses	108,227	198,744	222,658	235,043	65,363	95,364	118,017	107,270
22	Case Western Reserve U.	112,884	140,150	219,431	234,282	102,853	85,616	196,632	202,712
23	U. CO all campuses	205,313	219,034	224,317	221,115	175,535	185,860	192,019	180,792
24	U. Cincinnati all campuses	152,739	162,638	174,176	220,755	122,229	131,698	134,060	166,542
25	Baylor C. of Medicine	238,237	222,947	237,247	219,399	127,093	125,630	122,358	108,458
26	Northwestern U.	156,735	168,429	194,274	216,044	90,588	90,047	94,734	100,117
27	Harvard U.	287,594	252,985	222,159	208,078	253,858	225,532	202,644	189,677
28	Emory U.	188,308	201,751	205,771	204,846	136,654	148,947	145,674	129,118
29	U. TX Southwestern Medical Ctr. Dallas	178,652	177,855	185,811	194,997	115,162	114,816	112,563	108,907
30	Yeshiva U.	99,873	104,086	189,416	192,199	82,578	87,687	153,785	147,941
31	Mt. Sinai School of Medicine	128,357	150,203	187,828	190,012	118,559	123,159	149,028	150,774
32	U. IA	152,119	168,985	176,678	186,605	110,048	117,959	118,111	118,687
33	U. IL Chicago	158,381	157,764	175,815	183,983	95,496	99,420	108,697	112,565
34	U. Rochester	156,924	168,186	173,183	182,101	103,961	110,515	118,049	123,418
35	Wake Forest U.	129,956	181,139	177,585	180,860	116,889	138,418	135,132	137,563
36	U. CA, Davis	139,988	156,028	174,539	179,126	78,439	90,442	95,747	98,035
37	Vanderbilt U.	121,888	141,063	161,160	179,049	99,315	112,734	128,991	138,508
38	U. South FL	155,611	159,022	176,401	172,891	72,311	80,543	91,804	101,520
39	U. NC Chapel Hill	144,504	145,786	149,437	167,194	112,888	109,490	118,076	125,345
40	Boston U.	153,154	157,144	159,075	149,182	136,144	143,892	147,460	138,359
41	U. Chicago	127,312	135,652	135,272	149,173	103,512	108,382	109,556	114,655
42	SUNY Buffalo all campuses	116,764	125,108	146,759	148,332	56,133	62,408	67,315	62,657
43	U. of Medicine and Dentistry NJ	127,572	150,644	147,463	144,357	62,124	82,498	73,280	65,048
44	U. FL	116,977	127,460	129,219	142,676	62,355	61,140	66,982	65,739
45	NY U.	125,925	118,680	128,998	133,903	75,964	72,548	74,789	77,834
46	Dartmouth C.	115,469	123,076	134,948	132,781	81,877	85,535	96,188	87,832
47	Wayne State U.	175,377	123,263	126,007	132,442	90,676	67,032	66,555	66,581
48	OR Health & Science U.	104,593	113,059	117,114	129,121	85,296	93,655	98,787	106,213
49	U. Miami	104,546	113,966	119,475	119,667	65,119	74,083	73,614	72,050

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
50	IN U. all campuses	146,109	129,603	136,878	118,478	69,055	69,906	67,756	70,038
51	U. AZ	106,460	116,639	114,520	114,639	68,450	68,347	75,860	62,862
52	Medical C. WI	97,091	93,744	100,290	112,551	70,113	67,176	68,247	76,282
53	U. KY all campuses	84,660	90,718	104,072	110,246	43,533	46,010	49,659	49,011
54	U. TX Health Science Ctr. San Antonio	84,176	86,153	90,777	101,584	53,705	54,524	55,096	59,033
55	U. VA all campuses	89,205	93,730	101,729	101,489	73,731	79,219	85,200	87,372
56	U. CA, Irvine	84,592	91,955	93,740	100,563	43,386	46,452	46,139	49,540
57	Georgetown U.	84,276	83,726	81,499	99,706	67,054	72,475	68,600	80,744
58	U. TX Medical Branch	75,378	79,423	104,966	99,306	46,624	54,765	75,441	59,323
59	U. TX Health Science Ctr. Houston	95,110	70,097	80,350	96,945	67,501	49,043	49,719	64,357
60	U. UT	87,181	97,317	94,822	95,170	68,211	74,333	74,716	74,368
61	U. Louisville	74,949	81,363	77,921	92,030	37,614	44,294	40,839	46,792
62	PA State U. all campuses	79,778	84,038	83,861	83,285	51,317	54,023	55,629	52,185
63	U. MA Worcester	68,779	73,125	76,250	82,470	56,406	58,236	64,024	62,133
64	U. CT all campuses	77,955	80,193	70,089	80,925	39,043	41,047	31,572	36,765
65	TX A&M U. System Health Science Ctr.	61,299	70,558	74,072	76,284	27,772	30,763	33,321	33,548
66	Medical U. SC	64,547	72,161	69,373	69,722	42,162	43,515	41,364	36,219
67	U. NM main campus	16,415	41,001	56,970	68,147	3,913	34,549	39,757	48,031
68	U. AR for Medical Sciences	43,505	54,479	67,373	62,454	27,753	36,974	37,654	30,501
69	TX A&M U.	54,734	56,089	62,063	61,962	16,914	18,993	22,508	20,777
70	Rush U.	64,351	59,110	60,054	61,052	35,087	31,420	28,311	24,696
71	CO State U.	41,432	42,732	54,053	60,311	32,848	28,133	41,659	45,138
72	VA Commonwealth U.	68,427	73,915	74,954	59,967	42,359	44,304	43,466	36,045
73	LA State U. all campuses	65,053	59,853	47,982	59,734	19,693	27,706	27,009	30,627
74	U. HI Manoa	51,904	44,450	52,753	57,078	32,635	34,510	41,139	46,618
75	Uniformed Services U. of the Health Sciences	85,642	73,072	55,714	56,754	60,943	48,275	33,743	31,472
76	U. OK all campuses	46,154	53,272	54,853	56,387	24,208	25,786	26,184	25,509
77	Thomas Jefferson U.	55,744	57,389	54,961	55,675	39,875	40,415	37,670	39,800
78	U. MO-Columbia	45,541	44,381	56,758	54,821	24,849	24,462	23,345	30,612
79	U. CA, Berkeley	49,041	55,457	53,796	54,408	26,091	32,775	28,485	31,411
80	SUNY Stony Brook all campuses	50,841	63,267	46,172	53,795	23,192	26,245	27,126	28,010
81	U. NE all campuses	39,911	46,369	44,291	53,251	16,137	19,554	19,994	21,939
82	Charles R. Drew U. of Medicine and Science	51,994	43,231	47,188	52,118	40,430	41,207	44,394	48,580
83	U. TN all campuses	45,068	49,889	47,896	47,071	26,297	27,708	27,385	27,409
84	U. VT	49,502	48,341	49,930	46,529	33,679	31,308	31,909	38,328
85	U. CA Office of the President	45,734	49,687	44,783	43,802	0	0	0	0
86	U. MS all campuses	40,793	43,179	38,306	42,897	28,929	30,151	27,177	28,969
87	WV U.	31,546	35,596	38,049	41,862	17,138	16,988	16,080	16,683
88	St. Louis U. all campuses	18,144 e	32,536	29,626	39,240	16,623 e	30,761	29,433	35,046
89	U. PR Medical Sciences Campus	34,092	35,809	38,424	38,863	28,063	29,863	31,199	31,955
90	U. KS all campuses	35,183	35,576	38,640	38,514	20,977	20,696	22,513	20,351
91	U. GA	33,784	35,771	36,938	36,435	7,865	8,194	7,838	9,734
92	Temple U.	28,298	31,026	30,320	34,944	17,235	19,995	19,106	21,119
93	George Washington U.	28,468	28,332	32,219	34,175	17,519	14,423	14,017	13,575
94	U. SC all campuses	26,126	27,106	29,472	30,733	15,142	14,005	17,108	19,002
95	SUNY Upstate Medical U.	22,034	25,116	27,619	29,202	13,773	14,399	18,489	18,682
96	MI State U.	28,916	26,414	27,496	27,754	13,830	13,351	14,434	13,800

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
97	Wright State U. all campuses	17,746	21,512	26,441	26,430	11,061	12,139	14,070	13,154
98	Tulane U.	28,611	31,020	23,142	25,558	15,411	14,631	12,192	12,304
99	Eastern VA Medical School	27,154	26,343	26,614	25,492	12,697	14,318	14,380	16,195
100	Morehouse School of Medicine	23,159	20,393	19,641	24,593	14,579	15,263	16,495	20,111
101	Purdue U. all campuses	22,065	20,432	22,367	24,189	11,200	8,871	9,176	9,916
102	Rutgers, The State U. NJ all campuses	32,218	29,164	26,813	22,972	20,790	17,221	13,211	11,594
103	U. LA Lafayette	29,692	19,423	20,617	22,926	8,963	9,080	5,660	3,624
104	Southern IL U. Carbondale	14,888	18,192	22,476	22,832	4,920	5,484	6,791	6,605
105	Tufts U.	12,840	21,077	21,605	22,169	8,695	16,564	17,010	17,889
106	Drexel U.	14,381	16,479	20,073	21,335	9,351	12,249	13,342	12,262
107	Loyola U. Chicago	16,777	17,966	19,250	21,185	13,392	13,456	12,376	13,562
108	Creighton U.	17,089	17,631	15,889	19,586	7,715	5,864	5,364	6,465
109	Loma Linda U.	16,672	17,191	19,450	19,202	14,387	14,817	16,714	16,867
110	SUNY Health Science Ctr. Brooklyn	12,457 i	16,171	19,486	19,188	7,924 i	11,482	15,205	15,048
111	U. TX Austin	15,838	18,176	18,607	17,679	12,088	12,972	13,839	12,174
112	U. SD	11,274	15,062	18,355	17,296	9,713	13,085	15,284	14,351
113	Brown U.	47,343 i	20,509	19,740	17,026	33,392 i	13,792	12,459	10,473
114	MA Institute of Technology	18,441	15,085	18,335	16,533	12,111	8,685	12,382	10,671
115	U. MO-Kansas City	15,451	15,015	13,933	16,067	8,604	8,375	8,825	10,320
116	U. OR	14,341	15,892	15,637	15,211	12,754	13,977	13,424	11,910
117	Medical C. GA	20,213	21,301	21,552	15,015	11,422	12,381	11,339	9,624
118	VA Polytechnic Institute and State U.	7,701	11,201	10,672	14,141	2,806	4,115	4,099	3,571
119	U. ND all campuses	10,894	10,446	11,150	12,602	9,614	8,796	9,371	9,810
120	Marshall U.	8,433	11,787	10,106	12,289	7,195	9,116	9,163	11,038
121	IA State U.	13,026	13,151	13,197	12,199	7,021	6,348	6,148	5,280
122	Howard U.	12,024	12,560	11,813	12,013	11,916	12,120	11,290	11,705
123	U. MT-Missoula, The	11,010	13,269	12,157	11,263	10,001	11,333	10,230	9,153
124	TX Tech U. Health Science Ctr.	14,155	11,116	11,227	11,258	3,123	2,657	3,570	3,870
125	Rockefeller U.	8,210	8,413	9,221	10,809	5,395	4,447	5,396	6,066
126	U. TX El Paso	3,615	3,547	4,330	10,531	3,079	2,624	3,594	5,054
127	U. Houston	8,169	9,400	8,499	9,519	6,096	5,598	6,242	5,933
128	Universidad Central del Caribe	9,797	9,181	8,790	9,446	8,498	8,543	8,206	8,672
129	Ponce School of Medicine	10,140	7,840	7,654	9,103	9,179	6,715	5,022	6,594
130	U. Southern ME	27 i	30 i	26	8,440	27 i	30 i	26	6,644
131	U. Toledo	1,388	1,592	852	8,325	505	675	294	4,853
132	NY Medical C.	8,380	8,115	8,599	8,248	6,114	6,310	6,645	6,264
133	San Diego State U.	9,736	10,848	10,147	8,153	5,364	6,305	6,663	6,150
134	U. RI	5,005	4,592	6,192	8,090	4,488	3,770	5,062	6,325
135	GA State U.	197	1,021	1,824	7,866	19	127	378	4,302
136	FL International U.	8,975	8,830	0	7,589	6,767	7,249	0	5,608
137	ND State U. all campuses	4,098	6,771	7,025	7,435	2,427	2,606	2,915	3,030
138	FL State U.	12,297	10,699	8,232	7,412	8,714	5,923	4,118	4,003
139	U. NV, Reno	7,637	8,697	8,387	7,256	6,311	6,839	6,987	6,229
140	U. IL Urbana-Champaign	11,331	5,048	4,489	6,412	5,076	688	416	2,095
141	WA State U.	8,085	6,612	7,394	6,164	2,300	2,767	2,287	1,296
142	U. MA Amherst	1,062	1,804	3,191	5,401	401	788	1,481	3,147
143	MS State U.	5,207	5,678	5,407	5,225	370	551	107	24
144	U. WY	4,477 e	6,749	8,940	5,210	3,211 e	3,815	2,956	2,640
145	U. North TX Health Science Ctr. Ft. Worth	3,793	6,352	5,552	5,118	1,316	3,542	2,935	3,133

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
146	SUNY Albany	0	0	0	5,084	0	0	0	2,001
147	OR State U.	4,046	3,946	4,201	4,634	2,657	2,852	3,372	3,503
148	Northeastern U.	0	1,153	1,724	4,534	0	796	406	2,102
149	Jackson State U.	4,614	5,966	4,460	4,405	4,201	5,068	3,587	3,700
150	Tuskegee U.	3,482	3,315	3,565	4,384	2,168	2,064	2,198	2,703
151	U. ID	6,416	5,766	7,700	4,355	4,672	3,806	5,441	3,857
152	OK State U. all campuses	2,874	3,490	3,721	4,029	392	477	910	1,154
153	FL Atlantic U.	2,378	3,761	3,505	3,981	1,592	2,197	2,505	2,626
154	East TN State U.	3,511	4,034	3,772	3,903	1,793	2,449	2,122	2,286
155	UT State U.	7,499	6,941	6,286	3,846	4,428	4,705	4,225	1,747
156	GA Institute of Technology all campuses	5,063	5,256	4,142	3,667	2,596	2,510	318	1,239
157	ID State U.	3,428	3,331	3,516	3,448	2,610	2,522	2,615	2,342
158	Albany C. of Pharmacy	855	2,565	2,307	3,248	235	351	524	250
159	U. MA Boston	0	0	0	2,984	0	0	0	1,007
160	U. South AL	14,111	13,599	3,108	2,901	12,995	12,522	2,825	1,888
161	Meharry Medical C.	2,855	3,874	4,290	2,691	2,847	3,874	4,290	2,691
162	U. CA, Riverside	2,209	2,672	2,585	2,681	1,649	2,018	1,613	1,418
163	Mercer U. all campuses	3,180	2,866	3,227	2,540	1,353	1,330	1,512	1,176
164	TX A&M U. Corpus Christi	68	1,065	2,274	2,484	31	1,047	2,265	2,425
165	Duquesne U.	2,275	2,539	2,400	2,406	921	1,122	779	979
166	San Francisco State U.	0 i	2,313	1,600	2,404	0 i	1,693	1,399	1,947
167	Xavier U. LA	2,879	2,467 i	2,085	2,371	2,573	2,219 i	1,915	2,263
168	U. of the Pacific	1,850	2,157	2,258	2,286	739	571	545	507
169	SUNY C. of Optometry	2,435	2,481	1,913	2,231	1,856	1,979	1,753	2,164
170	Long Island U. all campuses	427 i	213 i	2,085	2,127 i	320 i	109 i	1,793	1,807 i
171	Auburn U. all campuses	10,387	13,948	14,129	2,119	5,172	7,956	4,723	967
172	Clemson U.	2,140	2,903	3,055	2,027	840	1,587	1,681	684
173	East Carolina U.	3,669	1,809	822	1,923	1,795	943	294	836
174	Northern IL U.	0	1,031	675	1,843	0	695	601	1,631
175	Old Dominion U.	334	1,324	1,820	1,804	301	570	558	205
176	Nova Southeastern U.	1,206	2,012	2,024	1,796	486	101	1,281	1,252
177	U. TX Dallas	1,980	3,167	1,101	1,781	1,016	1,489	407	575
178	Rochester Institute of Technology	1,490	1,636	1,688	1,726	1,187	1,144	1,351	1,553
179	U. TX-Pan American	1,387	919	1,505	1,553	925	651	827	947
180	OH U. all campuses	461	567	817	1,505	3	0	0	655
181	NY Institute of Technology all campuses	2,444	2,531	2,394	1,401	275	159	0	146
182	U. AK Anchorage all campuses	0 i	0	2,922	1,371	0 i	0	2,682	1,137
183	New England C. of Optometry	2,297	1,870	1,711	1,356	1,958	1,474	1,125	729
184	Southern IL U. Edwardsville	30	68	449	1,350	0	0	49	197
185	Marquette U.	872	1,320	1,684	1,318	709	1,034	1,368	1,010
186	Shaw U.	750	1,415	1,329	1,289	619	1,415	1,324	1,289
187	Kansas City U. of Medicine and Biosciences	1,098	944	1,183	1,267	407	219	28	16
188	U. MD Eastern Shore	507	395	337	1,258	427	395	304	1,253
189	Winston-Salem State U.	1,247 i	1,310 i	1,123 i	1,257 i	1,247 i	1,310 i	1,123 i	1,257 i
190	Tougaloo C.	0 i	0 i	0	1,061	0 i	0 i	0	984
191	CA State U. Fullerton	244	669	1,316	1,059	172	558	1,302	1,058
192	Hampton U.	2,761	1,197	2,130	1,053	2,761	1,197	2,130	1,053
193	KS State U.	867	605	759	1,043	515	382	356	258

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
194	U. GU	922	831 i	1,176	954	922	827 i	1,176	954
195	MT State U. Bozeman	1,108	970	879	946	968	737	705	682
196	U. HI Hilo	1,526	2,124	0	903	1,524	2,039	0	854
197	Kent State U. all campuses	1,081	561	386	897	1,063	408	263	669
198	George Mason U.	3,578	2,101	3,286	877	3,403	1,918	2,599	533
199	U. Central FL	2,896	2,579	1,514	844	1,592	1,185	893	0
200	Boise State U.	0	0	0	829	0	0	0	531
201	FL A&M U.	10,869	7,416	9,416	802	9,883	7,388	6,076	375
202	Ball State U.	747	314	948	798	328	122	418	446
203	Des Moines U.	676 e	408 i	899	796	78 e	104 i	153	108
204	U. New England	ne	ne	310	777	ne	ne	109	5
205	U. AL, The	383	313	296	774	284	188	254	682
206	U. of the Sciences Philadelphia	544	704	1,260	773	207	249	499	308
207	Santa Clara U.	ne	670 i	692 i	714 i	ne	670 i	687 i	694 i
208	LA Tech U.	0	201	333	652	0	0	104	311
209	Seton Hall U.	447	798	570	635	10	197	334	318
210	CUNY Baruch C.	0	0	564	602	0	0	0	0
211	U. NC Wilmington	0	0	5	586	0	0	5	175
212	Murray State U.	695	596	575	585	84	17	0	0
213	U. Southern MS	169	396	807	582	121	387	739	575
214	Pacific U.	0 i	0	0	579	0 i	0	0	56
215	SD State U.	230	259	250	533	165	206	121	192
216	Fayetteville State U.	0	0	0	526	0	0	0	417
217	U. Akron all campuses	393	242	265	521	281	169	188	424
218	U. MO-St. Louis	1,132	933	616	510	0	0	17	12
219	Albany Medical C.	275	422	421	488	12	0	0	0
220	U. LA Monroe	0	0	464	405	0	0	0	0
221	Savannah State U.	437	457	381	396	437	457	381	396
222	Fordham U.	106	61	388	376	29	4	336	301
223	U. of Notre Dame	0	0	541	375	0	0	502	220
224	CA State U. East Bay	0 i	0	9	373	0 i	0	0	0
225	A.T. Still U. of Health Sciences	395	714	799	351	0	0	0	0
226	WV School of Osteopathic Medicine	245	270	266	349	0	96	0	0
227	U. NV, Las Vegas	2,317 i	850	1,606	323	2,263 i	674	926	181
228	Kennesaw State U.	0	370	150	321	0	227	77	229
229	U. North FL	1,159	440	0	320	979	349	0	309
230	James Madison U.	101	133	348	317	71	133	296	262
231	U. WI La Crosse	0	204	218	307	0	60	119	157
232	GA Southern U.	380	573	423	296	226	378	229	121
233	Pace U. all campuses	0	0	15	294	0	0	5	294
234	CUNY The City C.	635	869	874	287	479	638	579	243
235	MA C. of Pharmacy and Health Sciences	365	459 i	307 i	285	270	246 i	222 i	144
236	Maharishi U. of Management	2,531 e	492	499	280	2,531 e	492	499	280
237	Jacksonville State U.	ne	825	1,197	268	ne	825	1,197	268
238	Williams C.	202 i	240 i	288 i	262 i	120 i	165 i	203 i	162 i
239	Morgan State U.	345	373	629	257	143	256	497	238
240	Wichita State U.	0	0	0	253	0	0	0	13
241	Eastern MI U.	189	0	203	251	0	0	94	86
242	U. Northern CO	38	0	308	241	0	0	73	0
243	Spelman C.	0	0	0	222	0	0	0	222

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
244	TX State U. San Marcos	165 i	71	362	219	148	42	0	0
245	St. Cloud State U.	19	28	80	217	0	0	5	7
246	WV State U.	222	253	187	214	222	241	187	214
247	Philadelphia C. of Osteopathic Medicine	961	973	86	209	951	973	0	0
248	U. TX Tyler	ne	216	139	171	ne	36	0	0
249	CA State U. Long Beach	19	27	108	170	0	0	0	0
250	Central MI U.	0	143	141	147	0	127	130	73
251	Stevens Institute of Technology	295	159	215	142	295	159	215	142
252	TX Woman's U.	736	377	196	138	524	258	83	8
253	Midwestern U. (Chicago, IL)	296	241	214	137	0	0	57	60
254	NC Agricultural and Technical State U.	217	402	282	126	172	321	267	114
255	NC Central U.	0 i	0 i	19	121	0 i	0 i	19	121
256	Cheyney U. PA	0 i	0 i	0	108	0 i	0 i	0	0
257	Sinte Gleska U.	ne	0	0	101	ne	0	0	101
258	Winona State U.	ne	ne	ne	100	ne	ne	ne	0
259	U. AK Southeast all campuses	18 i	83	16	99	13 i	83	16	99
260	Trinity C. (Hartford, CT)	0	0	0	96	0	0	0	53
261	U. Central AR	45 i	50 i	91 i	91 i	27 i	27 i	29 i	23 i
262	Stephen F. Austin State U.	0	93	0	90	0	0	0	0
263	Southwest MO State U.	36	89	66	87	0	0	0	5
264	Western U. of Health Sciences	617	432	356	84	137	212	356	34
265	Wilberforce U.	0 i	0 i	0 i	80	0 i	0 i	0 i	80
266	Carnegie Mellon U.	0	0	0	79	0	0	0	74
267	Rosalind Franklin U. of Medicine and Science	1,447	2,322	0	74	1,280	2,322	0	0
268	Wheeling Jesuit U.	49 i	56 i	63 i	72	49 i	56 i	63 i	72
269	IN State U. all campuses	118	128	73	70	97	13	0	0
270	Southern U. and A&M C. all campuses	117	118 i	123	69	0	0 i	0	3
271	Fairleigh Dickinson U. all campuses	ne	ne	ne	65 i	ne	ne	ne	0 i
272	U. San Diego	0	0	0	65	0	0	0	0
273	Rice U.	98	86	73	62	98	85	73	62
274	Sarah Lawrence C.	ne	ne	73	62	ne	ne	0	0
275	Eastern IL U.	0 i	0 i	0 i	59	0 i	0 i	0 i	29
276	IL Wesleyan U.	ne	11	30	59	ne	0	0	6
277	Cleveland State U.	1	0	0	57	0	0	0	53
278	U. WI Oshkosh	0	0	24	57	0	0	4	15
279	U. Detroit Mercy	6 e	5 i	54	56 i	6 e	5 i	0	0 i
280	Harvey Mudd C.	213 i	150 i	34 i	44 i	92 i	86 i	21 i	19 i
281	West TX A&M U.	38	0	5	44	0	0	0	0
282	Claremont McKenna C.	ne	ne	ne	40 i	ne	ne	ne	40 i
283	U. ME	12	0	42	37	0	0	28	29
284	Angelo State U.	ne	ne	29 i	36	ne	ne	4 i	0
285	U. San Francisco	0	0	0	36	0	0	0	0
286	Gustavus Adolphus C.	0	1	94	34	0	0	0	0
287	Northern AZ U.	1,681	854	311	31	1,600	764	180	0
288	Syracuse U. all campuses	0	0	0	31	0	0	0	0
289	Northeastern OH Universities C. of Medicine	181	214	93	29	0	0	0	0

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
290	Calvin C.	37	41	14	26	0	0	0	0
291	Western MI U.	1,071	255	195	26	964	222	164	7
292	Vassar C.	149 i	129 i	47	24	19 i	21 i	47	24
293	CUNY Brooklyn C.	0	0	0	22	0	0	0	1
294	Arcadia U.	ne	133 i	138 i	21	ne	133 i	137 i	0
295	Heritage U. (Toppenish, WA)	ne	28	24	20	ne	28	24	20
296	U. Portland	95	38	47	20	29	25	18	2
297	Grand Valley State U.	63	10	4	19	0	0	0	0
298	Oberlin C.	88	73	9	19	71	58	5	0
299	C. Wooster	0 i	0 i	0 i	18	0 i	0 i	0 i	0
300	Northeastern State U.	547 i	240	233	17	534 i	233	233	9
301	Bard C.	ne	12 i	ne	16 i	ne	12 i	ne	16 i
302	U. Hartford	0	15	58	15	0	0	0	0
303	Point Loma Nazarene C.	0 i	0	0	14	0 i	0	0	14
304	U. North TX	0	0	0	13	0	0	0	0
305	Wilkes U.	0	ne	0	13	0	ne	0	0
306	Edward Waters C.	ne	ne	ne	12 i	ne	ne	ne	0 i
307	Seattle Pacific U.	ne	ne	ne	12 i	ne	ne	ne	1 i
308	Hampshire C.	0	0	0	7	0	0	0	7
309	William Paterson U. NJ	ne	ne	ne	5 i	ne	ne	ne	3 i
310	Andrews U.	65	69	24	4	2	0	0	0
311	Pitzer C.	0	0	0	4	0	0	0	0
312	Troy U. main campus	ne	ne	3	4	ne	ne	0	0
313	Valparaiso U.	0	0	0	4	0	0	0	0
314	Siena C.	ne	ne	4 i	3 i	ne	ne	4 i	3 i
315	DePauw U.	2 i	2 i	2 i	2 i	2 i	2 i	2 i	2 i
316	Amherst C.	1	2	2	1	0	0	0	0
317	Mills C.	ne	ne	1 i	1 i	ne	ne	1 i	1 i
318	Sonoma State U.	0	0	135	1	0	0	0	0
	All other surveyed institutions	15,196	18,750	8,189	0	9,969	10,801	4,722	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$4,244 in total and \$4,116 in federally financed R&D expenditures in the medical sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	448,502	494,539	532,877	571,579	317,889	346,294	374,933	408,082
1	George Washington U.	25,499	33,307	40,151	51,672	24,328	31,516	38,015	48,846
2	Johns Hopkins U., The ^a	28,727	27,874	27,163	29,396	28,345	25,946	26,529	29,012
3	U. TX Austin	14,454	18,672	21,715	26,799	10,608	11,698	12,471	19,660
4	U. TX M. D. Anderson Cancer Ctr.	14,950	17,543	21,675	22,426	4,799	4,963	5,553	5,396
5	NC State U.	14,649	15,818	14,924	16,733	6,874	8,033	8,457	8,525
6	OH State U. all campuses	6,827	7,884	13,362	12,547	4,543	5,132	8,201	7,559
7	Rutgers, The State U. NJ all campuses	9,787	9,747	10,389	11,313	5,335	5,078	5,184	5,892
8	PA State U. all campuses	8,348	15,718	10,571	10,950	5,466	11,081	7,005	7,515
9	NY U.	7,208	7,829	7,699	9,750	6,603	7,662	6,783	8,967
10	Brown U.	6,520	7,351	8,335	9,247	3,666	4,033	4,442	5,372
11	U. MN all campuses	5,963	7,137	7,901	8,577	4,159	4,993	5,517	6,024
12	IA State U.	8,754	10,322	8,588	8,443	3,725	5,239	4,577	3,995
13	GA Institute of Technology all campuses	6,250	6,038	6,196	8,371	2,234	2,612	2,478	2,769
14	U. Southern CA	4,157	5,530	7,306	8,217	3,065	4,386	5,419	6,733
15	AZ State U.	1,827	3,578	5,958	8,053	1,467	3,113	3,998	5,352
16	TX A&M U.	9,180	9,323	9,786	7,697	7,696	7,560	8,223	6,166
17	Stanford U.	5,614	6,630	7,627	7,531	5,088	5,996	7,068	7,056
18	U. CA, Berkeley	6,731	7,129	7,373	6,960	5,676	5,417	5,763	4,978
19	Duke U.	1,841	5,395	6,687	6,869	1,606	4,505	5,553	5,910
20	U. MD College Park	5,330	5,228	5,856	6,626	2,417	3,095	3,593	5,162
21	SUNY Stony Brook all campuses	5,467	5,781	6,871	6,364	3,297	3,015	3,002	3,057
22	U. KY all campuses	4,496	5,884	6,711	6,252	3,657	4,736	5,476	5,959
23	U. WI Madison	4,803	5,578	6,033	6,054	3,043	3,891	4,238	4,262
24	MI State U.	3,492	4,305	4,757	5,913	2,753	3,145	3,310	3,918
25	U. FL	3,915	4,790	4,933	5,660	2,919	3,521	3,205	3,551
26	U. GA	6,033	5,692	5,990	5,657	1,312	1,184	1,160	994
27	Boston C.	12,409 e	4,641	5,822	5,578	8,840 e	546	600	501
28	U. CA, Los Angeles	5,818	5,990	6,604	5,439	4,148	4,899	5,018	4,199
29	U. MI all campuses	4,053	4,674	5,220	5,374	2,950	3,379	3,975	4,434
30	Princeton U.	4,072	4,142	4,596	5,324	2,556	2,571	3,226	3,970
31	U. WA	4,198	4,253	5,522	5,134	3,868	3,994	5,148	4,671
32	Naval Postgraduate School	3,111 i	4,268	4,323	4,960	2,935 i	3,643	4,228	4,931
33	MA Institute of Technology	5,036	4,268	4,372	4,898	3,772	3,451	3,946	4,314
34	Purdue U. all campuses	4,467	4,330	4,360	4,872	3,244	3,097	3,232	3,415
35	U. NE all campuses	2,781	3,885	4,411	4,611	895	1,353	1,575	1,355
36	U. Chicago	4,726	4,836	3,889	4,187	4,382	4,609	3,698	3,849
37	NJ Institute of Technology	2,506	3,182	3,287	4,006	1,130	1,587	1,779	2,051
38	U. IL Urbana-Champaign	3,951	3,770	3,462	3,950	2,584	2,395	2,658	2,801
39	U. CA, Davis	2,648	3,142	3,827	3,814	2,139	2,608	3,122	3,055
40	U. CA, San Diego	3,355	3,841	3,715	3,764	2,463	2,773	2,538	2,528
41	CA State U. Dominguez Hills	1,437	1,413	1,199	3,704	962	626	752	3,151
42	Cornell U. all campuses	3,713	4,015	3,744	3,674	2,589	3,072	2,964	3,016
43	Carnegie Mellon U.	3,195	3,472	2,633	3,654	2,966	3,205	2,442	3,325
44	Rice U.	3,619	3,591	3,956	3,502	3,514	3,278	3,389	2,999
45	Harvard U.	2,223	2,366	2,895	3,431	2,223	2,366	2,895	3,332
46	Clemson U.	1,698	1,871	2,818	3,214	500	500	963	1,005
47	George Mason U.	4,038	1,145	6,133	3,209	3,862	1,014	4,791	2,903
48	U. AZ	5,060	4,852	5,576	3,137	3,821	3,691	4,531	2,233
49	CO State U.	3,012	2,949	3,991	3,093	2,565	1,867	3,272	2,627

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
50	U. CA, Irvine	2,265	3,077	3,315	3,087	1,713	1,974	2,075	2,133
51	Rensselaer Polytechnic Institute	1,901	2,668	3,036	3,017	1,690	2,339	2,656	2,483
52	Western MI U.	2,396	2,404	2,416	2,997	1,827	1,673	1,946	2,269
53	U. MA Amherst	2,362	2,519	2,981	2,869	1,584	1,490	1,972	1,921
54	Northwestern U.	1,460	2,655	2,082	2,837	1,237	2,263	1,767	2,383
55	LA State U. all campuses	1,684	1,823	2,301	2,823	398	677	949	1,395
56	Rockefeller U.	2,977	2,287	2,777	2,812	1,506	1,205	1,407	1,847
57	U. AL Birmingham, The	503	579	537	2,764	382	557	529	2,762
58	U. SC all campuses	2,301	2,132	2,688	2,752	1,311	1,339	2,029	2,027
59	VA Polytechnic Institute and State U.	2,332	2,705	2,222	2,749	1,409	1,731	1,276	1,323
60	U. PA	2,948	3,485	3,642	2,717	2,642	3,153	3,124	2,296
61	SUNY Buffalo all campuses	1,932	1,315	1,792	2,695	902	528	868	1,977
62	U. NC Chapel Hill	1,726	2,762	2,276	2,658	1,405	1,668	1,702	2,079
63	OR State U.	1,412	1,650	2,374	2,531	1,280	1,538	2,250	2,224
64	U. IL Chicago	4,669	3,606	2,478	2,365	3,240	2,198	1,698	1,679
65	U. UT	1,543	1,592	1,476	2,316	1,254	1,303	1,317	2,201
66	U. CO all campuses	2,862	2,348	2,261	2,296	2,307	1,878	1,985	2,061
67	U. Pittsburgh all campuses	1,753	1,892	2,295	2,190	1,612	1,658	2,071	1,952
68	U. MO-Columbia	1,233	1,547	1,705	2,176	834	1,112	1,404	1,810
69	CA Institute of Technology	921	1,426	2,165	2,027	921	1,426	2,165	1,971
70	IN U. all campuses	3,771	2,685	3,490	1,997	2,275	2,440	2,422	1,707
71	U. Houston	1,064	2,147	2,340	1,917	780	1,298	1,263	1,198
72	FL State U.	2,388	2,577	2,350	1,905	1,256	1,664	1,618	1,245
73	U. IA	2,612	2,860	2,177	1,839	2,045	2,199	1,730	1,340
74	VA Commonwealth U.	78	517	1,010	1,789	66	435	838	1,520
75	MI Technological U.	773	777	1,523	1,740	132	233	463	467
76	MS State U.	1,457	1,492	1,545	1,720	294	418	420	583
77	Columbia U. in the City of NY	1,133	1,509	1,676	1,718	1,133	1,509	1,676	1,718
78	U. MD Baltimore County	819	1,035	1,611	1,698	729	903	1,306	824
79	Boston U.	1,909	1,964	1,964	1,561	1,723	1,737	1,634	1,286
80	Tulane U.	2,036	2,302	1,572	1,560	1,622	1,792	1,319	1,318
81	Old Dominion U.	755	1,576	1,265	1,454	535	375	505	589
82	San Jose State U.	1,122	1,169	1,429	1,447	133	117	269	268
83	Vanderbilt U.	962	1,237	1,186	1,401	892	1,124	1,035	1,261
84	Air Force Institute of Technology	452	450	574	1,389	190	182	248	620
85	U. of Notre Dame	1,270	1,373	1,452	1,331	1,172	1,260	1,319	1,174
86	U. NM main campus	1,487	1,439	1,257	1,311	1,389	1,328	1,168	1,148
87	U. AR Little Rock	49	705	1,254 i	1,300 i	0	493	207 i	210 i
88	Morgan State U.	2,140	1,897	2,313	1,280	2,140	1,897	2,313	1,280
89	U. DE	789	590	1,151	1,279	652	460	873	1,089
90	Worcester Polytechnic Institute	595	1,258	1,136	1,237	394	1,117	987	1,014
91	San Diego State U.	1,167	712	1,052	1,217	501	40	399	421
92	Rowan U.	724	1,027	1,451	1,208	543	548	1,267	1,001
93	Yale U.	1,049	1,612	1,343	1,207	969	1,086	877	1,015
94	U. NC Asheville	0	0	7	1,161	0	0	7	635
95	U. CA, Santa Barbara	1,232	1,193	1,153	1,145	545	731	842	960
96	Jackson State U.	1,234	1,330	1,565	1,142	1,123	1,130	1,259	959
97	U. MA Dartmouth	833	945	1,136	1,088	674	945	972	746
98	Emory U.	497	487	604	1,075	482	483	594	753
99	CA State U. Northridge	270	244	1,085	1,074	229	210	1,000	1,054

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
100	U. MT-Missoula, The	851	879	1,195	1,044	764	750	1,130	983
101	U. VT	1,515	1,711	1,388	1,041	1,006	1,061	870	904
102	FL Atlantic U.	349	581	782	1,025	321	560	780	943
103	TX A&M U. Corpus Christi	2,870	1,917	1,847	1,021	1,716	1,415	1,646	867
104	U. Cincinnati all campuses	650	532	553	1,000	156	73	105	271
105	U. LA Lafayette	892	894	975	990	130	210	186	245
106	U. WI Milwaukee	937	1,030	1,049	966	502	749	781	675
107	Syracuse U. all campuses	697	996	903	923	541	805	839	806
108	MT State U. Bozeman	1,070	1,041	883	920	911	970	817	886
109	KS State U.	926	884	929	860	437	434	336	309
110	Wichita State U.	148	163	180	859	103	122	176	176
111	U. TN all campuses	977	1,239	858	822	394	672	636	635
112	U. CT all campuses	790	714	834	803	692	622	619	572
113	Washington U. St. Louis	483	577	758	803	455	492	592	699
114	U. TX El Paso	195	69	360	799	191	64	358	666
115	NY Institute of Technology all campuses	0	0	0	771	0	0	0	456
116	WA State U.	839	822	563	770	643	549	305	486
117	Polytechnic U.	177	300	325	753	121	300	325	396
118	U. South FL	162	554	586	729	78	68	94	77
119	Brigham Young U. all campuses	267	320	370	706	191	222	292	668
120	U. WY	130 e	727	562	698	32 e	422	122	118
121	U. NC Charlotte	349	299	504	688	284	249	416	544
122	TX Tech U.	478	456	577	684	394	356	446	465
123	U. KS all campuses	602	816	929	680	534	707	799	588
124	U. CA, Riverside	612	905	706	674	194	254	300	294
125	Case Western Reserve U.	437	400	723	672	437	400	640	672
126	U. PR Humacao	0	223	257	670	0	220	222	600
127	Tufts U.	756	889	883	668	501	620	682	376
128	U.S. Naval Academy	846	459	596	661	828	447	570	661
129	Dartmouth C.	632	746	755	653	362	438	591	441
130	Northeastern U.	580	845	675	646	432	436	274	245
131	U. ID	126	171	373	640	55	94	317	584
132	U. VA all campuses	779	1,237	1,036	631	709	1,138	947	561
133	CA State Polytechnic U. San Luis Obispo	156	117	130	630	112	60	106	60
134	U. OR	536	482	719	623	478	466	696	582
135	Wayne State U.	427	610	768	618	354	409	527	505
136	DE State U.	265 i	427	788	611	265 i	427	788	611
137	U. CA, Santa Cruz	559	487	490	608	322	336	380	420
138	Mt. Holyoke C.	462	602	516	602	228	258	224	255
139	Ithaca C.	1,121	1,092	408	597	1,121	1,092	408	596
140	SUNY C. Geneseo	33	148	202	578	25	145	191	515
141	Southern Methodist U.	444	354	606	533	328	304	459	355
142	U. Memphis, The	2,897	3,097	439	519	1,095	1,128	257	389
143	U. TX Arlington	414	528	445	511	224	270	299	341
144	OK State U. all campuses	831	669	631	510	283	151	140	56
145	Brandeis U.	458	550	436	499	438	477	393	446
146	IL Institute of Technology	163	106	349	498	161	104	298	334
147	U.S. Military Academy	0 i	0 i	0 i	489	0 i	0 i	0 i	447
148	U. PR Mayaguez Campus	135	735	1,205	481	62	77	137	473
149	Bowling Green State U. all campuses	121	46	55	450	94	23	13	320

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
150	Central MI U.	141	115	352	445	51	46	255	262
151	U. AL Huntsville, The	210	330	324	437	189	310	297	310
152	GA State U.	195	183	261	426	48	76	57	175
153	U. Central FL	509	685	494	418	186	402	265	262
154	U. Akron all campuses	803	643	605	411	522	455	416	227
155	Savannah State U.	0	0	0	407	0	0	0	407
156	U. OK all campuses	427	412	416	405	366	361	267	336
157	ND State U. all campuses	62	53	207	399	48	19	149	310
158	SUNY Binghamton	833	453	334	394	98	83	178	207
159	Northern IL U.	199	161	355	385	186	146	153	123
160	Temple U.	281	174	267	374	198	168	252	358
161	U. Louisville	175	86	143	365	82	74	132	294
162	CUNY Herbert H. Lehman C.	268	203	185	362	243	203	106	324
163	U. CA, Merced	na	0	144	362	na	0	21	47
164	U. Miami	305	507	434	360	305	505	434	360
165	Fayetteville State U.	0	0	0	356	0	0	0	354
166	Marquette U.	124	90	369	356	122	89	294	352
167	LA Tech U.	374	415	386	355	28	59	90	49
168	WV U.	636	673	448	350	470	491	359	249
169	U. North TX	329	145	183	347	231	113	123	228
170	CUNY The City C.	217	343	430	343	214	334	402	300
171	CA State U. East Bay	46 i	96	261	336	31 i	0	250	109
172	Wright State U. all campuses	155	140	311	330	126	100	254	247
173	Hampton U.	230	1,958	219	329	230	1,958	219	329
174	U. PR Rio Piedras Campus	350	660	630	329	301	630	618	303
175	U. NH	143	1,081	356	308	116	779	160	202
176	NM State U. main campus	220	314	188	307	183	257	109	262
177	Portland State U.	867 e	361	350	304	698 e	316	288	242
178	Wake Forest U.	1,105	629	293	300	1,021	617	96	215
179	U. Rochester	379	372	222	294	347	343	202	264
180	U. MO-St. Louis	299	266	273	292	215	161	211	219
181	Southern IL U. Edwardsville	705	520	525	290	65	56	74	56
182	Kent State U. all campuses	188	145	105	286	188	109	60	170
183	Clarkson U.	280	264 i	415	285	129	138 i	333	163
184	Drexel U.	177	252	386	278	158	225	281	262
185	CO School of Mines	699	860	166	277	653	809	166	230
186	UT State U.	367	576	536	271	245	517	473	234
187	James Madison U.	161	123	157	267	91	98	93	127
188	U.S. Air Force Academy	633	301	0	263	332	0	0	263
189	Duquesne U.	232	206	351	262	157	136	219	169
190	C. Charleston	138	141	206	252	73	51	111	193
191	Southern IL U. Carbondale	130	134	143	252	101	91	95	186
192	Harvey Mudd C.	47 i	34 i	126	247	19 i	18 i	95	211
193	U. Northern CO	7	9	78	247	1	6	57	140
194	C. of William and Mary all campuses	243	295	517	243	213	246	472	224
195	Calvin C.	125	58	191	236	28	7	65	39
196	John Carroll U.	301	344	340	234	20	221	334	234
197	CA State U. Los Angeles	119	182	159	232	119	182	159	232
198	U. MA Lowell	30	88	82	232	29	88	82	59
199	CA State U. San Bernardino	271	173	216	229	45	48	63	126

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
200	Howard U.	115	251	173	221	115	251	173	212
201	U. ME	134	133	184	219	102	83	69	95
202	CUNY C. Staten Island	239	248	120	218	215	212	119	182
203	Bryn Mawr C.	364	493	227	216	247	211	55	17
204	Georgetown U.	129	122	145	216	129	122	145	214
205	AL State U.	210	215	215	215	210	0	0	0
206	TN State U.	249	303	259	212	231	303	259	212
207	Grinnell C.	63	127	214	211	0	97	174	88
208	Tarleton State U.	0	22	155	209	0	0	75	207
209	TX A&M U. Commerce	1	206	234	208	0	0	0	0
210	Auburn U. all campuses	229	300	259	206	143	250	173	192
211	Arcadia U.	ne	4 i	4 i	204	ne	4 i	4 i	204
212	Lamar U.	26	3	0	204	25	0	0	16
213	Loyola Marymount U.	0	26	151	204	0	11	103	176
214	Montclair State U.	206 i	246 i	240 i	200 i	70 i	131 i	191 i	141 i
215	U. NC Greensboro	132	139	183	194	132	138	180	190
216	Macalester C.	266	262	120	181	188	194	41	41
217	U. South AL	129	168	112	178	129	168	112	160
218	U. TX Dallas	100	65	133	176	93	31	50	79
219	CA State U. Bakersfield	112 i	73	75	173	54 i	0	0	47
220	CUNY Hunter C.	71	63	85	170	14	0	30	27
221	Humboldt State U.	244 i	249 i	127	170	106 i	106 i	94	109
222	Murray State U.	83	63	113	167	49	52	95	116
223	Sam Houston State U.	67 i	148	231	167	39 i	0	0	0
224	U. TX San Antonio	191	140	51	164	175	82	49	132
225	Wesleyan U.	156	211	172	163	77	110	67	39
226	U. AR main campus	291	274	240	162	145	187	151	120
227	Williams C.	116 i	152 i	187 i	158 i	95 i	132 i	164 i	131 i
228	East Carolina U.	38	97	49	155	38	97	49	155
229	Rochester Institute of Technology	4	33	54	155	0	31	47	144
230	U. NV, Las Vegas	48 i	198	212	153	34 i	184	191	96
231	Carleton C.	118	86	140	149	118	86	140	98
232	OH U. all campuses	26	40	139	147	0	18	102	97
233	Barnard C.	42 e	122	89	146	42 e	122	89	146
234	Lafayette C.	81	0	105	146	77	0	102	145
235	Lehigh U.	119	120	139	132	118	119	139	131
236	Loyola C.	86	280	251 i	131	35	55	47 i	80
237	U. Richmond	36	13	209	131	32	10	194	113
238	U. WI Stout	144	161	135	130	123	148	135	130
239	Davidson C.	7 i	7 i	7	129	7 i	7 i	7	125
240	C. of the Holy Cross	82	108	150	128	78	98	150	128
241	TX State U. San Marcos	114	157	35	128	74	146	0	75
242	FL International U.	6	7	112	125	4	4	112	116
243	Western WA U.	84	51	68	121	56	32	41	68
244	Andrews U.	103	123	164	119	68	68	121	64
245	TN Technological U.	1	102	112	119	0	100	110	119
246	Albany State U.	0	47	0	118	0	47	0	0
247	Northern AZ U.	55	25	29	115	45	17	23	79
248	CA State U. Long Beach	104	176	121	113	55	167	121	113
249	San Francisco State U.	0 i	74	1,068	112	0 i	74	1,068	112

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
250	Ball State U.	159	156	186	111	49	57	160	104
251	SUNY Albany	366	114	103	111	75	30	61	86
252	Fairfield U.	128	109	117	108	0	0	0	0
253	Smith C.	18	17	25	107	16	16	24	91
254	Southwest MO State U.	4	23	27	105	4	0	7	105
255	Prairie View A&M U.	133	102	111	100	132	99	111	100
256	Middlebury C.	0 i	0 i	0 i	98	0 i	0 i	0 i	98
257	Colby C.	10	17	24	96	0	0	0	71
258	Middle TN State U.	115	83	88	96	96	54	36	34
259	U. Central AR	50 i	54 i	88 i	86 i	35 i	35 i	38 i	31 i
260	U. Southern MS	0	0	3	84	0	0	3	84
261	U. Toledo	57	51	39	84	35	13	12	35
262	GA Southern U.	75	30	93	82	75	30	67	82
263	Wabash C.	5	54	78	82	0	34	65	75
264	Elizabeth City State U.	382	450	109	79	382	450	109	79
265	Trinity U.	85	77	100	79	82	68	91	70
266	Franklin & Marshall C.	6	11	40	76	0	1	17	64
267	Oakland U.	90	44	74	74	23	44	23	44
268	Willamette U.	0	0	0	74	0	0	0	74
269	U. TX-Pan American	95	248	93	72	95	138	8	13
270	Amherst C.	48	62	119	71	21	20	78	32
271	U. MO-Kansas City	11	29	57	69	0	24	57	60
272	Valparaiso U.	21	37	74	68	21	37	74	68
273	CUNY Baruch C.	34	8	161	66	29	4	15	9
274	CUNY Brooklyn C.	0	0	0	66	0	0	0	63
275	Winona State U.	ne	ne	ne	66	ne	ne	ne	0
276	Colgate U.	42	11	12	64	34	2	0	37
277	U. NV, Reno	570	542	236	64	550	292	220	58
278	Baylor U.	73	86	73	62	51	28	29	22
279	Pitzer C.	0	13	75	62	0	13	75	62
280	Boise State U.	115	34	66	59	115	34	66	59
281	CA State U. Chico	85 i	56	59 i	59 i	0 i	56	59 i	59 i
282	U. Portland	43	92	66	59	43	67	66	46
283	CUNY Graduate Ctr.	18	69	3	58	0	66	0	0
284	West TX A&M U.	13	0	0	57	0	0	0	0
285	Northeastern IL U.	13	55	44	56	12	55	30	52
286	Saginaw Valley State U.	120	91	69	56	7	1	1	1
287	Fordham U.	17	13	66	55	2	0	0	0
288	Eastern MI U.	38	60	64	53	0	0	20	48
289	Pomona C.	55	32	34	51	17	11	11	13
290	FL A&M U.	267	140	15	49	204	100	8	49
291	Hope C.	53	58	47	49	43	47	35	23
292	Bowdoin C.	3	45	34	48	3	45	32	42
293	Spelman C.	69	74	146	48	69	74	146	48
294	Stevens Institute of Technology	42	96	113	46	40	96	113	45
295	U. RI	29	8	14	45	29	8	14	45
296	Berry C.	ne	ne	41	43 i	ne	ne	28	27 i
297	Swarthmore C.	25	14	33	43	7	0	20	28
298	Chapman U.	0	0	94	42	0	0	42	42
299	ID State U.	86	44	32	42	52	25	20	28

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
300	St. Cloud State U.	5	15	6	41	0	8	0	0
301	U. Houston-Clear Lake	99	56	58	41	86	46	45	26
302	St. Louis U. all campuses	161 e	0	174	40	161 e	0	151	17
303	IL State U.	44	95	54	38	22	36	41	29
304	Occidental C.	0 i	0	0	38	0 i	0	0	0
305	U. West FL	0	153	184	38	0	153	184	38
306	Central WA U.	0	36	38	37	0	34	37	4
307	Winston-Salem State U.	38 e	39 i	33 i	37 i	38 e	39 i	33 i	37 i
308	U. WI Superior	95	171	82	36	93	171	82	36
309	Canisius C.	0 i	0 i	36	35	0 i	0 i	36	35
310	Benedict C.	0	96	79	34	0	96	79	34
311	Morehead State U.	0	61	0	34	0	23	0	25
312	U. of the Pacific	15	8	57	34	0	0	0	0
313	Wellesley C.	116	59	31	34	0	34	31	34
314	Trinity C. (Hartford, CT)	2	9	3	31	0	0	0	0
315	U. WI La Crosse	0	0	0	31	0	0	0	24
316	Skidmore C.	133	107	166	30	0	0	0	0
317	U. WI Eau Claire	80	59	7	30	30	10	6	30
318	St. Mary's C. MD	0	0	3	29	0	0	0	0
319	U. Houston-Downtown	0	26	52	29	0	26	12	29
320	Eastern KY U.	2	1	0	28	0	0	0	28
321	FL Institute of Technology	161	99	53	28	154	99	53	27
322	U. MS all campuses	32	12	15	28	0	0	10	4
323	Western KY U.	110	156	21	28	59	10	5	3
324	Towson U.	29	0	21	27	20	0	21	27
325	NM Institute of Mining and Technology	26	37 i	25	26	0	0 i	0	16
326	Norfolk State U.	933	821	204	26	933	821	204	23
327	AR State U. main campus	0	0	11	25	0	0	0	0
328	TX A&M U. Kingsville	0	0	0	25	0	0	0	0
329	U. NC Wilmington	23	2	0	25	23	2	0	18
330	U. TX Tyler	ne	0	19	25	ne	0	19	22
331	CUNY John Jay C. of Criminal Justice	0	5	20	24	0	5	16	21
332	CUNY Queens C.	13	0	15	24	0	0	0	0
333	OH Wesleyan U.	0 i	0	6	24	0 i	0	0	9
334	Mills C.	ne	ne	22 i	23 i	ne	ne	22 i	23 i
335	U. AL, The	90	115	67	23	90	115	52	5
336	VA State U.	0	0	14	23	0	0	0	9
337	West Chester U. PA	301	99	0	23	263	84	0	0
338	C. Wooster	0 i	0 i	0 i	22	0 i	0 i	0 i	0
339	TX Woman's U.	2	7	26	20	0	0	0	0
340	Kalamazoo C.	43	51	43	19	37	47	40	12
341	U. MA Boston	430	215	100	19	415	170	82	0
342	U. North FL	43	36	33	19	35	35	29	18
343	La Salle U.	28	ne	0	18	0	ne	0	18
344	Marshall U.	0	5	1	18	0	5	1	18
345	Santa Clara U.	ne	18 i	18 i	18 i	ne	18 i	18 i	18 i
346	Stephen F. Austin State U.	3	19	39	18	0	0	0	0
347	Bates C.	2	12	0	17	2	8	0	11
348	DePaul U.	4	1	34	17	0	1	33	15
349	Morehouse C.	0 i	6	8	17	0 i	4	4	17

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
350	St. Olaf C.	0	0	0	16	0	0	0	16
351	Claremont McKenna C.	ne	ne	ne	15 i	ne	ne	ne	15 i
352	Eastern IL U.	0 i	0 i	0 i	13	0 i	0 i	0 i	13
353	Siena C.	ne	ne	12 i	11 i	ne	ne	12 i	11 i
354	U. MO-Rolla	60	30	14	11	0	0	0	0
355	Xavier U. LA	0	0 i	38	11	0	0 i	21	0
356	Bradley U.	13	1	17	10	0	0	0	0
357	Eastern WA U.	10	20	20	10	0	0	0	0
358	DePauw U.	9 i	9 i	9 i	9 i	9 i	9 i	9 i	9 i
359	Lewis and Clark C.	16	17	4	9	0	0	0	0
360	Roanoke C.	0	5	0	9	0	0	0	0
361	Nicholls State U.	28	25	32	8	28	25	32	8
362	Bridgewater State C.	6	15	6	7 i	0	0	0	0 i
363	Denison U.	0	0 i	14	7	0	0 i	12	5
364	Loyola U. New Orleans	28 i	23	7	7	12 i	10	0	0
365	Northern KY U.	136	0	6	7	107	0	0	0
366	SD State U.	15	0	24	7	0	0	0	0
367	Southeastern LA U.	0	0	0	7	0	0	0	7
368	Bard C.	ne	4 i	ne	6 i	ne	4 i	ne	6 i
369	Haverford C.	12 i	10 i	6 i	6 i	10 i	8 i	4 i	4 i
370	U. ND all campuses	0	0	3	6	0	0	3	6
371	William Paterson U. NJ	ne	ne	ne	6 i	ne	ne	ne	4 i
372	Mercyhurst C.	ne	ne	4	5	ne	ne	0	0
373	SUNY C. Old Westbury	10	0	0	5	10	0	0	5
374	U. HI Manoa	46	0	0	5	44	0	0	5
375	U. Scranton	11	8	11	5	0	0	0	0
376	U. West GA	0	0	5	5	0	0	5	5
377	Dickinson C.	47	26	17	4	32	13	0	0
378	Union C. (Schenectady, NY)	139	137	19	4	2	27	19	0
379	CUNY Medgar Evers C.	0	0	0	3	0	0	0	0
380	Edward Waters C.	ne	ne	ne	3 i	ne	ne	ne	0 i
381	Lake Forest C.	37	11	2	3	0	0	0	0
382	MT State U. Billings	ne	21 i	33	3	ne	21 i	33	0
383	Seattle Pacific U.	ne	ne	ne	3 i	ne	ne	ne	0 i
384	Southern Polytechnic State U.	ne	ne	ne	3	ne	ne	ne	0
385	Troy U. main campus	ne	ne	0	3	ne	ne	0	0
386	Villanova U.	126 i	143 i	160 i	3	119 i	136 i	153 i	3
387	Fairleigh Dickinson U. all campuses	ne	ne	ne	2 i	ne	ne	ne	0 i
388	SUNY C. Cortland	0	0	3	2	0	0	0	2
389	Allegheny C.	0	0	0	1	0	0	0	0
390	Gettysburg C.	ne	0	6	1	ne	0	0	0
391	Gustavus Adolphus C.	32	38	17	1	30	38	13	1
392	Indiana U. PA all campuses	0	2	0	1	0	0	0	0
393	McNeese State U.	76	72	7	1	0	0	0	0
394	MN State U. Mankato	0 i	0	0	1	0 i	0	0	0

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2007 total:
FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
395	Western CT State U.	ne	ne	ne	1	ne	ne	ne	0
396	Youngstown State U.	51	41	9	1	49	36	8	1
	All other surveyed institutions	2,968	2,773	1,810	0	1,855	1,463	1,211	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$28,024 in total and \$27,754 in federally financed R&D expenditures in the mathematical sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Physical sciences, nec
					All physical sciences	Astronomy	Chemistry	Physics	
	All institutions	3,547,023	3,702,233	3,811,540	3,842,391	462,805	1,447,351	1,613,462	318,773
1	CA Institute of Technology	139,631	143,657	148,686	162,934	9,390	35,420	118,124	0
2	U. AZ	124,566	147,092	148,625	152,825	130,941	14,094	7,790	0
3	Johns Hopkins U., The ^a	148,780	146,097	140,183	129,480	39,204	16,376	62,034	11,866
4	MA Institute of Technology	104,868	104,485	98,367	99,257	20,166	20,620	52,922	5,549
5	U. CA, Berkeley	97,862	120,957	106,207	96,153	12,089	28,283	53,592	2,189
6	U. TX Austin	75,345	83,371	85,380	87,693	12,363	21,782	50,360	3,188
7	Cornell U. all campuses	86,225	84,833	89,517	86,822	14,867	18,380	43,964	9,611
8	U. MD College Park	54,976	60,544	60,990	65,454	16,076	10,274	38,744	360
9	U. CO all campuses	57,472	58,784	63,594	65,229	21,328	17,672	20,219	6,010
10	Stanford U.	89,041	94,093	73,010	64,642	0	17,056	9,797	37,789
11	U. CA, Los Angeles	59,270	53,851	59,431	64,325	0	22,325	41,031	969
12	SUNY Albany	30,653	45,404	52,626	64,005	0	1,792	614	61,599
13	MI State U.	52,277	54,666	55,319	60,293	0	14,443	45,850	0
14	FL State U.	50,839	47,794	53,752	58,626	0	8,671	49,937	18
15	PA State U. all campuses	59,831	61,961	64,166	56,783	8,826	18,796	29,161	0
16	U. IL Urbana-Champaign	50,152	52,413	56,693	56,747	3,204	27,981	25,562	0
17	U. WI Madison	51,853	52,715	55,697	56,304	5,692	17,122	25,660	7,830
18	Harvard U.	41,824	47,993	57,415	52,487	4,705	29,029	15,888	2,865
19	U. CA, San Diego	45,849	51,400	49,841	51,646	0	22,599	26,644	2,403
20	U. Chicago	45,684	46,785	49,120	46,682	15,178	14,187	11,080	6,237
21	U. CA, Santa Cruz	37,630	37,919	37,970	41,950	25,393	7,607	8,950	0
22	U. HI Manoa	22,653	29,343	40,300	40,124	32,455	1,860	5,305	504
23	TX A&M U.	36,942	37,523	38,430	39,200	0	23,651	13,233	2,316
24	U. MI all campuses	38,783	39,648	40,860	38,241	3,172	15,939	14,961	4,169
25	U. Central FL	27,738	26,498	34,009	38,035	0	2,724	26,297	9,014
26	Rutgers, The State U. NJ all campuses	32,900	37,725	39,420	37,734	0	21,128	16,606	0
27	Princeton U.	31,297	33,237	28,357	36,754	5,248	13,313	18,193	0
28	GA Institute of Technology all campuses	26,380	29,469	35,570	36,562	0	23,356	13,193	13
29	U. CA, Santa Barbara	25,236	25,153	30,624	35,468	0	4,419	14,612	16,437
30	U. WA	34,917	33,582	33,803	34,067	3,227	17,843	12,997	0
31	SUNY Stony Brook all campuses	29,737	30,384	43,463	33,050	1,972	14,383	16,695	0
32	U. CA, Irvine	22,364	27,105	31,837	33,047	0	17,129	15,918	0
33	IN U. all campuses	51,497	36,476	46,233	32,124	671	11,336	20,114	3
34	U. FL	33,960	34,350	33,892	30,751	3,263	13,417	13,329	742
35	Columbia U. in the City of NY	36,884	47,824	34,271	30,645	6,600	7,236	3,253	13,556
36	U. PA	27,360	32,380	33,236	29,279	0	13,998	15,281	0
37	Purdue U. all campuses	19,563	20,632	22,292	29,026	0	19,605	9,109	312
38	Northwestern U.	27,063	26,828	25,473	28,268	0	20,435	6,392	1,441
39	OH State U. all campuses	31,277	31,788	27,687	27,428	2,765	11,168	13,191	304
40	Boston U.	24,437	21,402	24,799	26,115	1,217	4,163	6,459	14,276
41	U. NC Chapel Hill	21,524	23,398	26,032	25,471	0	20,166	5,305	0
42	U. MN all campuses	25,803	26,914	28,001	24,961	2,366	11,677	10,918	0
43	LA State U. all campuses	20,325	28,230	24,391	24,687	0	15,848	8,758	81
44	U. CA, Davis	24,424	21,533	24,141	23,445	0	9,054	5,939	8,452
45	U. CA, San Francisco	29,609	26,041	25,664	22,601	0	22,601	0	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
46	NM Institute of Mining and Technology	2,390	3,486 i	21,777	21,482	10,110	1,744	1,434	8,194
47	Yale U.	20,136	20,533	21,867	20,967	1,280	8,015	11,672	0
48	U. IA	16,081	17,611	18,338	20,462	1,289	7,570	11,603	0
49	U. of Notre Dame	19,271	16,528	19,026	19,978	0	10,071	9,907	0
50	U. UT	18,872	20,030	20,635	19,963	0	14,312	5,651	0
51	U. CA Office of the President	17,713	18,260	19,053	19,775	17,278	0	2,497	0
52	Duke U.	17,878	18,250	17,594	18,842	0	7,435	11,407	0
53	NC State U.	20,885	26,469	19,363	18,833	0	7,887	10,946	0
54	VA Polytechnic Institute and State U.	14,460	14,786	14,150	18,638	0	13,685	4,820	133
55	U. SC all campuses	15,838	14,032	17,956	18,316	0	13,008	4,507	801
56	U. Pittsburgh all campuses	20,164	21,731	19,109	17,550	1,061	11,793	4,386	310
57	Vanderbilt U.	12,777	15,092	20,719	17,330	0	7,695	9,635	0
58	Emory U.	8,774	9,985	10,627	17,198	0	15,700	1,498	0
59	Rice U.	17,436	18,690	16,089	16,908	239	5,999	10,670	0
60	U. MS all campuses	17,555	18,720	18,884	16,873	0	647	16,223	3
61	WA State U.	15,268	15,624	16,213	16,592	35	6,832	9,592	133
62	Catholic U. America, The	18,820	16,332	14,026	16,309	0	887	6,255	9,167
63	AZ State U.	21,447	23,607	19,051	16,249	508	11,300	4,382	59
64	SUNY Buffalo all campuses	16,751	13,792	14,339	16,134	0	13,148	2,919	67
65	Wayne State U.	15,325	14,320	13,411	15,975	0	9,490	3,938	2,547
66	U. TN all campuses	13,636	17,985	15,961	15,842	0	5,462	10,380	0
67	U. VA all campuses	17,037	17,076	15,556	15,795	3,438	6,229	6,128	0
68	U. GA	12,733	13,444	16,439	15,685	0	9,502	6,183	0
69	Northeastern U.	14,081	15,512	13,189	15,576	0	8,003	7,573	0
70	U. NM main campus	8,069	11,242	16,955	15,551	40	2,622	8,160	4,729
71	U. NE all campuses	13,548	13,797	15,446	15,332	0	6,142	9,190	0
72	NM State U. main campus	9,456	12,453	12,313	15,265	5,388	7,931	1,769	177
73	U. DE	16,837	17,308	14,558	15,157	70	7,216	2,207	5,664
74	ND State U. all campuses	14,277	13,116	14,355	14,989	0	4,779	188	10,022
75	MT State U. Bozeman	13,947	14,252	15,117	14,810	0	6,563	8,247	0
76	Washington U. St. Louis	13,905	14,731	16,880	14,540	0	7,785	6,755	0
77	Brown U.	12,924	13,359	13,546	14,204	0	6,140	8,064	0
78	U. Southern CA	11,984	11,070	9,336	13,972	284	10,520	2,229	939
79	NJ Institute of Technology	8,139	9,659	10,274	13,941	0	5,375	8,566	0
80	U. Akron all campuses	10,685	11,114	11,987	13,464	0	13,169	295	0
81	U. AR main campus	10,107	12,096	10,322	13,241	27	6,298	6,916	0
82	U. Southern MS	8,320	9,968	9,907	13,153	0	11,840	1,313	0
83	U. OR	8,280	7,423	10,360	13,089	0	5,126	7,963	0
84	U. MA Amherst	32,108	30,336	17,557	12,809	3,622	4,976	3,920	291
85	Rensselaer Polytechnic Institute	6,132	7,350	9,094	12,568	0	5,378	7,190	0
86	U. IL Chicago	13,534	13,219	12,700	12,008	0	6,536	5,472	0
87	Clemson U.	10,835	11,416	10,376	11,975	0	6,792	5,183	0
88	U. OK all campuses	13,057	13,417	12,177	11,742	0	6,661	5,081	0
89	CO State U.	10,230	11,405	11,904	11,710	0	8,671	2,840	199
90	U. NV, Reno	7,786	10,393	13,952	11,640	13	3,030	8,470	127
91	NY U.	7,725	12,650	13,765	11,625	0	6,050	5,575	0
92	U. PR Rio Piedras Campus	3,426	7,338	11,238	11,436	0	11,056	380	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
93	U. Rochester	11,320	11,271	12,137	11,315	0	4,140	7,175	0
94	IA State U.	10,306	11,302	11,010	11,026	0	5,933	5,093	0
95	Carnegie Mellon U.	17,471	11,743	12,034	10,367	6	4,515	5,669	177
96	U. TX M. D. Anderson Cancer Ctr.	8,465	9,041	10,790	10,149	0	10,149	0	0
97	Kent State U. all campuses	4,726	4,844	5,124	9,826	0	2,234	2,814	4,778
98	CUNY The City C.	9,541	10,557	10,204	9,701	0	3,097	6,604	0
99	U. AL Huntsville, The	9,831	8,733	10,891	9,368	0	4,080	5,288	0
100	U. KS all campuses	7,817	11,198	11,660	9,131	205	5,851	3,075	0
101	U. Houston	8,401	9,288	9,100	8,998	0	5,955	2,953	90
102	Boston C.	8,225 e	8,041	8,377	8,943	0	6,529	2,414	0
103	Rockefeller U.	7,012	6,644	8,893	8,875	0	5,313	3,562	0
104	U. NV, Las Vegas	7,082 i	4,226	5,989	8,802	0	4,168	4,634	0
105	U. Cincinnati all campuses	7,070	6,646	7,863	8,779	0	5,403	3,376	0
106	Case Western Reserve U.	8,937	8,994	8,872	8,727	172	4,515	4,040	0
107	U. MA Lowell	6,436	7,368	7,767	8,665	0	1,280	7,385	0
108	KS State U.	11,048	10,302	8,053	8,495	0	2,213	6,282	0
109	U. MO-Columbia	4,850	6,812	6,385	8,452	0	5,264	3,188	0
110	U. KY all campuses	9,933	10,084	9,630	8,449	0	5,720	2,729	0
111	GA State U.	6,596	7,170	7,668	8,418	1,114	4,927	2,377	0
112	U. CA, Riverside	7,882	8,599	9,258	8,390	0	5,054	3,336	0
113	Rochester Institute of Technology	6,612	6,309	8,469	8,379	0	333	1,716	6,330
114	U. MD Baltimore County	9,354	5,691	5,599	8,211	0	4,081	2,008	2,122
115	U. CT all campuses	7,247	7,682	8,349	8,085	0	5,183	2,902	0
116	U. WI Milwaukee	5,006	6,239	6,403	7,932	0	2,683	4,737	512
117	MS State U.	10,566	10,070	11,262	7,833	225	5,122	2,478	8
118	U. Toledo	6,903	8,013	6,393	7,605	542	1,637	5,364	62
119	Southwest MO State U.	1,548	4,497	4,174	7,463	23	78	10	7,352
120	Dartmouth C.	5,532	9,041	6,938	7,325	0	2,528	4,797	0
121	U. TX Arlington	4,860	5,172	6,669	7,170	0	3,070	4,100	0
122	U. TX Dallas	7,770	8,569	9,253	7,100	0	0	0	7,100
123	Western KY U.	3,590	4,006	5,589	7,026	2,336	4,235	455	0
124	Brandeis U.	6,363	6,003	8,408	6,900	0	3,620	3,280	0
125	ID State U.	4,683	6,404	6,095	6,724	0	670	6,054	0
126	FL International U.	6,496	7,838	9,907	6,537	0	1,800	589	4,148
127	CO School of Mines	6,328	5,286	5,834	6,514	0	1,130	5,384	0
128	Old Dominion U.	2,469	4,614	7,500	6,481	0	2,963	3,518	0
129	Miami U. all campuses	3,998 i	4,846 i	5,118 i	6,260 i	0 i	4,024 i	1,860 i	376 i
130	TX Tech U.	6,550	6,412	5,873	6,227	0	4,734	1,493	0
131	Syracuse U. all campuses	5,544	4,961	6,173	6,159	0	2,016	4,113	30
132	Lehigh U.	5,802	4,867	4,297	6,139	0	2,477	3,662	0
133	OK State U. all campuses	8,524	5,637	6,285	6,075	67	2,349	3,497	162
134	Fisk U.	5,000	6,000	6,000	6,000	0	0	6,000	0
135	CUNY Hunter C.	7,673	6,996	7,977	5,835	0	4,383	1,452	0
136	Jackson State U.	5,014	4,518	4,770	5,782	0	4,083	1,699	0
137	U. WY	5,271 e	5,055	5,991	5,707	0	3,511	2,196	0
138	Temple U.	3,597	5,280	5,570	5,619	0	2,943	2,676	0
139	U. South FL	5,006	5,227	5,857	5,585	0	2,637	2,861	87
140	OH U. all campuses	6,977	8,048	6,576	5,560	342	1,602	3,616	0
141	U. Louisville	2,298	2,038	3,342	5,525	154	2,996	2,016	359

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
142	Auburn U. all campuses	6,944	5,861	4,257	5,498	0	3,146	2,245	107
143	Naval Postgraduate School	3,024 i	4,343	5,047	5,478	0	0	5,478	0
144	Air Force Institute of Technology	3,288	4,099	4,763	5,421	0	0	5,421	0
145	Tufts U.	5,374	4,432	4,542	5,176	0	3,489	1,687	0
146	U. TX El Paso	3,691	2,917	3,025	5,012	0	1,700	265	3,047
147	Northern IL U.	5,861	3,050	5,263	4,949	0	877	4,072	0
148	VA Commonwealth U.	5,178	5,954	6,356	4,876	0	3,774	1,102	0
149	WV U.	5,294	5,262	5,211	4,800	0	2,380	2,420	0
150	C. of William and Mary all campuses	10,957	6,077	5,707	4,747	0	805	3,942	0
151	U. AL Birmingham, The	3,100	2,944	3,664	4,399	0	1,619	2,780	0
152	Norfolk State U.	3,576	3,870	3,471	4,290	0	2,986	1,304	0
153	U. MT-Missoula, The	3,739	3,872	4,558	4,236	0	3,946	290	0
154	AR State U. main campus	428	1,094	3,559	4,184	0	4,184	0	0
155	U. ME	6,551	9,334	4,658	4,131	0	1,228	2,903	0
156	San Diego State U.	4,156	3,199	3,942	3,940	466	1,782	1,692	0
157	U. PR Humacao	3,065	3,119	3,401	3,878	0	2,709	1,169	0
158	Clarkson U.	3,200	3,039 i	3,887	3,853	0	3,047	806	0
159	U. AL, The	3,635	4,590	3,489	3,845	150	2,977	703	15
160	OR State U.	4,034	4,230	4,290	3,833	46	3,325	414	48
161	George Washington U.	3,041	3,786	4,094	3,690	0	1,732	1,958	0
162	Howard U.	4,449	2,771	2,809	3,640	402	3,007	0	231
163	U. NH	4,540	5,361	4,264	3,605	0	2,063	1,542	0
164	IL Institute of Technology	9,148	8,055	3,754	3,561	0	1,043	2,518	0
165	U. PR Mayaguez Campus	2,452	3,306	3,136	3,560	0	2,810	750	0
166	Southern IL U. Carbondale	1,744	1,914	1,410	3,535	5	2,668	838	24
167	U. North TX	3,176	2,840	2,654	3,502	0	2,257	984	261
168	U. ID	3,150	4,032	3,491	3,348	0	2,305	1,043	0
169	MI Technological U.	2,159	2,723	3,416	3,312	0	837	2,475	0
170	Southern Methodist U.	1,947	2,208	2,087	3,286	0	1,706	1,580	0
171	Western MI U.	3,005	5,543	4,996	3,247	0	1,792	1,455	0
172	Wright State U. all campuses	3,011	2,268	2,257	3,239	0	902	1,017	1,320
173	Duquesne U.	2,553	2,283	2,522	3,220	0	3,104	116	0
174	Polytechnic U.	154	2,499	2,400	3,172	0	2,473	699	0
175	Bowling Green State U. all campuses	1,816	2,218	2,819	3,148	0	3,013	135	0
176	Brigham Young U. all campuses	4,216	4,698	4,617	3,140	192	2,270	671	7
177	Clark Atlanta U.	3,337	4,053	4,326	3,126	0	1,974	1,152	0
178	Drexel U.	2,958	3,213	3,150	3,086	0	995	2,091	0
179	San Francisco State U.	14,398 i	2,685	2,954	2,935	298	2,227	332	78
180	CUNY C. Staten Island	1,555	955	1,793	2,925	0	2,661	152	112
181	UT State U.	4,187	4,301	3,164	2,896	0	1,490	1,406	0
182	Wake Forest U.	1,856	2,266	3,945	2,874	0	1,268	1,606	0
183	U. MO-St. Louis	1,668	2,108	2,286	2,855	0	1,592	1,263	0
184	San Jose State U.	2,926	2,064	2,143	2,831	0	1,566	677	588
185	CA State U. Los Angeles	3,014	3,534	4,242	2,820	0	2,358	462	0
186	U.S. Air Force Academy	2,926	3,498	2,941	2,760	0	714	2,046	0
187	Wesleyan U.	2,274	2,702	2,433	2,740	501	1,374	865	0
188	U. MO-Rolla	4,865	3,810	3,909	2,734	0	2,332	402	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
189	George Mason U.	782	1,285	690	2,695	1,056	553	1,086	0
190	SUNY Binghamton	3,554	3,006	3,111	2,677	0	2,225	452	0
191	Tulane U.	2,959	2,004	1,987	2,619	0	1,347	1,272	0
192	AL A&M U.	2,163	2,822	2,479	2,600	0	198	2,402	0
193	Georgetown U.	2,806	2,578	3,278	2,541	0	1,535	1,006	0
194	U. TX San Antonio	876	970	2,781	2,484	0	1,716	768	0
195	U. Miami	2,526	2,072	2,404	2,365	0	735	1,630	0
196	Hampton U.	2,447	815	5,133	2,320	0	340	1,980	0
197	SUNY C. of Environmental Science and Forestry	1,545 i	893 i	1,436 i	2,262	0	2,262	0	0
198	Portland State U.	1,772 e	2,281	2,382	2,253	0	570	1,034	649
199	U. MO-Kansas City	1,867	1,610	1,754	2,237	0	1,506	446	285
200	Baylor U.	1,908	1,889	1,610	2,205	0	1,543	662	0
201	Oakland U.	1,298	1,483	2,435	2,169	0	843	1,326	0
202	U. Memphis, The	1,871	1,846	1,364	2,148	0	1,546	602	0
203	U. Denver	2,839	2,569	2,895	2,143	0	1,427	716	0
204	CA State U. Northridge	2,006	1,529	1,394	2,090	194	886	1,010	0
205	Wichita State U.	2,774	1,772	1,954	2,065	0	1,837	216	12
206	FL Institute of Technology	1,657	2,238	2,404	2,048	0	480	1,568	0
207	U. NC Asheville	155	541	803	1,980	1,909	71	0	0
208	SD State U.	398	513	762	1,847	0	1,847	0	0
209	U. SD	1,731	1,419	1,787	1,840	0	1,840	0	0
210	U. MA Dartmouth	1,791	1,523	1,422	1,822	0	1,211	611	0
211	SC State U.	1,702	1,821	1,821	1,821	0	612	1,209	0
212	U.S. Naval Academy	1,075	1,737	1,359	1,793	0	1,493	300	0
213	LA Tech U.	1,642	1,487	1,380	1,782	0	812	970	0
214	U. CA, Merced	na	512	1,014	1,774	0	473	1,301	0
215	Prairie View A&M U.	834	1,074	1,181	1,701	426	201	1,074	0
216	FL A&M U.	1,980	2,159	3,962	1,646	0	50	1,596	0
217	NC Agricultural and Technical State U.	1,143	885	745	1,623	0	276	1,337	10
218	DE State U.	358 i	917	1,080	1,610	0	479	622	509
219	FL Atlantic U.	5,646	5,430	4,507	1,594	0	1,431	163	0
220	Xavier U. LA	1,511	1,294 i	1,277	1,585	0	1,311	0	274
221	Marquette U.	889	1,061	1,318	1,542	0	1,376	166	0
222	Villanova U.	720 i	816 i	912 i	1,413	491	893	29	0
223	U. ND all campuses	1,081	1,156	1,673	1,392	0	1,131	261	0
224	Southern IL U. Edwardsville	973	2,783	1,355	1,376	0	1,376	0	0
225	U. Tulsa	1,408	1,389	947	1,368	0	1,022	346	0
226	TX State U. San Marcos	2,924	2,837	1,915	1,323	0	0	0	1,323
227	U. North FL	220	652	1,247	1,281	0	0	1,281	0
228	CA State U. Long Beach	737	984	901	1,274	0	806	468	0
229	U. NC Charlotte	6,105	3,440	3,887	1,253	0	430	823	0
230	TN State U.	1,415	1,329	1,283	1,243	1,222	21	0	0
231	Stevens Institute of Technology	3,222	1,222	1,094	1,220	0	595	625	0
232	Appalachian State U.	28	305	328	1,174	0	927	247	0
233	Northern AZ U.	1,678	1,211	1,838	1,155	386	624	31	114
234	CUNY Queens C.	1,251	1,025	801	1,120	0	797	323	0
235	TX Christian U.	1,067	973	1,156	1,116	0	704	412	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
236	U. Richmond	462	1,009	898	1,099	0	802	297	0
237	Bryn Mawr C.	1,033	813	1,115	1,074	0	508	566	0
238	Seton Hall U.	680	868	608	1,049	0	768	41	240
239	Amherst C.	1,085	1,331	1,277	1,042	7	727	308	0
240	Worcester Polytechnic Institute	648	585	934	1,040	0	555	485	0
241	Western WA U.	806	706	1,800	1,014	0	995	19	0
242	U. LA Lafayette	1,055	897	782	982	0	195	787	0
243	Mt. Holyoke C.	746	830	805	980	0	872	108	0
244	IL State U.	1,030	912	837	978	0	698	280	0
245	East Carolina U.	682	919	1,030	964	0	545	419	0
246	Morehouse C.	350 i	758	733	953	0	481	472	0
247	Wellesley C.	723	676	645	919	469	271	179	0
248	Hamilton C. (Clinton, NY)	450	868	766	917	0	825	92	0
249	St. Louis U. all campuses	85 e	308	669	909	0	772	137	0
250	SUNY C. Geneseo	378	463	500	902	0	29	873	0
251	Southern U. and A&M C. all campuses	752	754 i	960	898	0	269	629	0
252	Central MI U.	2,886	3,004	1,191	885	5	560	320	0
253	TN Technological U.	259	206	205	871	0	731	140	0
254	U. RI	859	739	623	852	0	640	212	0
255	U. Central AR	498 i	539 i	861 i	838 i	4 i	439 i	341 i	54 i
256	SUNY C. Plattsburgh	565	945	1,084	821	141	189	0	491
257	U. VT	1,691	1,505	1,372	799	0	548	251	0
258	James Madison U.	730	350	601	772	0	335	437	0
259	Hope C.	1,171	468	967	768	0	731	37	0
260	U. NC Wilmington	473	1,037	704	767	0	600	167	0
261	Clark U.	786 e	1,177	858	763	0	382	381	0
262	Franklin & Marshall C.	597	1,258	842	750	37	688	25	0
263	U. NC Greensboro	226	923	568	744	0	740	4	0
264	Marshall U.	279	346	617	743	0	668	75	0
265	CUNY Brooklyn C.	409	435	1,401	717	0	654	63	0
266	Rose-Hulman Institute of Technology	1,265	709	1,791	705	0	114	591	0
267	U. WI Eau Claire	477	602	746	701	0	644	57	0
268	Spelman C.	645	585	643	693	0	352	341	0
269	Harvey Mudd C.	307 i	257 i	693	687	6 i	392 i	288 i	1 i
270	Williams C.	535 i	610 i	723 i	685 i	60 i	307 i	318 i	0 i
271	U. Northern IA	118	97	92	674	0	592	82	0
272	C. Charleston	564	483	471	672	217	222	233	0
273	Calvin C.	607	357	578	652	0	363	289	0
274	Pomona C.	485	397	398	651	45	341	265	0
275	NM Highlands U.	1,115	833	1,385	649	0	649	0	0
276	U. TX of the Permian Basin	ne	ne	ne	641	0	32	609	0
277	Eastern MI U.	118	517	425	628	0	578	50	0
278	CA State U. Bakersfield	731 i	196	298	610	0	236	374	0
279	U. South AL	290	216	227	609	0	547	62	0
280	Trinity U.	639	548	561	604	0	570	34	0
281	U. WI La Crosse	240	451	344	603	0	338	265	0
282	Furman U.	865	820	669	600	0	600	0	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
283	Valparaiso U.	324	344	536	583	262	29	292	0
284	Colgate U.	684	365	583	578	32	243	303	0
285	Augsburg C.	0	0	79	577	0	58	519	0
286	Haverford C.	787 i	583 i	468 i	576 i	145 i	301 i	130 i	0 i
287	CT C.	519 i	592	605	570	0	507	63	0
288	American U.	328	444	785	569	0	0	569	0
289	Middle TN State U.	935	534	424	567	0	358	209	0
290	Cleveland State U.	1,012	714	818	564	0	466	98	0
291	Occidental C.	732 i	327	357	549	0	227	322	0
292	U. Dayton	265	413	543	549	0	501	48	0
293	CA State U. San Bernardino	590	778	350	548	0	265	283	0
294	Boise State U.	1,119	859	505	544	0	106	438	0
295	Swarthmore C.	707	758	665	544	156	144	244	0
296	U. MA Boston	614	673	970	524	0	280	244	0
297	U. Northern CO	10	17	802	517	0	499	18	0
298	Southeastern LA U.	104	239	466	516	0	221	295	0
299	TX Southern U.	0	1,169	2,070	512	0	512	0	0
300	Macalester C.	710	542	617	508	51	291	166	0
301	Northern KY U.	205	320	636	503	0	297	206	0
302	Middlebury C.	896 i	929 i	961 i	494	58	184	252	0
303	Creighton U.	158	377	573	482	0	122	360	0
304	U. DC	516	465	462	477	0	477	0	0
305	Embry-Riddle Aeronautical U.	965	59	47 i	476	470	0	6	0
306	Fairfield U.	428	322	295	476	0	309	167	0
307	U. TX-Pan American	197	100	102	473	0	108	365	0
308	Bridgewater State C.	41	16	354	471 i	0 i	458 i	13 i	0 i
309	U. AR Little Rock	280	433	457 i	470 i	0 i	388 i	82 i	0 i
310	Smith C.	336	301	420	469	125	277	67	0
311	NC Central U.	1,243 i	1,452 i	612	454	0	0	454	0
312	Christopher Newport U.	1,519	1,380	278	453	0	0	453	0
313	MT Tech of the U. MT	242	379	394	448	0	448	0	0
314	SUNY C. Old Westbury	288	746	695	448	0	448	0	0
315	Southern CT State U.	233	940	809 i	436	0	0	436	0
316	U. of the Sciences Philadelphia	0	0	0	432	0	423	9	0
317	C. Wooster	198 i	399 i	671 i	430	0	380	50	0
318	Western IL U.	101	521	439	427	0	384	43	0
319	Winston-Salem State U.	410 e	430 i	368 i	411 i	0 i	43 i	368 i	0 i
320	CA State Polytechnic U. San Luis Obispo	372	460	405	404	0	367	37	0
321	Trinity C. (Hartford, CT)	146	56	64	403	0	390	13	0
322	IL Wesleyan U.	ne	138	82	399	0	292	107	0
323	Carleton C.	404	546	499	398	0	237	161	0
324	TX A&M U. Commerce	77	256	239	398	0	309	89	0
325	Towson U.	65	377	394	393	0	57	336	0
326	C. of the Holy Cross	456	178	437	391	0	286	105	0
327	Seattle U.	153	333	366 i	387 i	0 i	22 i	365 i	0 i
328	Youngstown State U.	1,210	702	986	375	0	157	218	0
329	East TN State U.	132	438	285	361	0	16	344	1
330	Reed C.	602	477	406	361	0	241	77	43

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
331	Barnard C.	280 e	392	324	360	0	174	186	0
332	Allegheny C.	549	258	195	351	0	206	145	0
333	Morgan State U.	674	852	929	346	0	323	23	0
334	Loyola U. Chicago	797	356	239	336	0	336	0	0
335	CA State U. Dominguez Hills	501	316	143	330	0	149	181	0
336	Oberlin C.	156	586	315	330	0	247	83	0
337	Shaw U.	0	0	0	328	0	0	0	328
338	U. Portland	92	39	210	320	0	177	143	0
339	Ball State U.	909	1,379	712	312	0	312	0	0
340	Bucknell U.	380	463	735	312	0	178	134	0
341	Grambling State U.	609	522	330	312	0	24	288	0
342	Bowdoin C.	434	335	344	310	18	158	134	0
343	CA State U. East Bay	330 i	1,256	776	310	0	292	18	0
344	SD School of Mines and Technology	143	80	773	304	0	0	304	0
345	U. West GA	294	304	304	304	0	249	55	0
346	Pacific Lutheran U.	362 i	399 i	436 i	303	0	293	10	0
347	U.S. Military Academy	0 i	0 i	0 i	300	0	59	241	0
348	TX A&M U. Corpus Christi	1,227	191	1,303	297	0	210	2	85
349	MA C. of Pharmacy and Health Sciences	0	0 i	0 i	295	0	295	0	0
350	West Chester U. PA	20	21	100	292	75	217	0	0
351	U. of the Pacific	31	710	505	291	0	0	206	85
352	Bates C.	338	373	479	290	0	250	40	0
353	FL Gulf Coast U.	17	745	471	288	21	243	0	24
354	Lafayette C.	224	318	234	287	0	249	38	0
355	Southeastern OK State U.	139	315	365	287	0	287	0	0
356	Tuskegee U.	216	205	233	287	0	138	149	0
357	Rowan U.	1,761	509	266	286	0	66	220	0
358	Coe C.	ne	ne	ne	285	0	129	156	0
359	Union C. (Schenectady, NY)	369	276	344	279	0	115	152	12
360	U. HI Hilo	60	660	345	278	48	192	38	0
361	Sarah Lawrence C.	ne	ne	244	275	0	172	0	103
362	SUNY C. Brockport	44	32	210	273	0	253	20	0
363	Bradley U.	369	634	488	267	0	145	122	0
364	GA Southern U.	161	225	203	262	4	148	110	0
365	CUNY Graduate Ctr.	38	194	0	259	0	0	259	0
366	Dickinson C.	509	369	170	258	85	158	15	0
367	Eastern OR U.	69	123	603	258	0	258	0	0
368	Skidmore C.	19	20	91	254	0	145	2	107
369	St. Olaf C.	158	219	215	250	0	4	246	0
370	TX A&M U. Kingsville	181	93	297	249	0	90	81	78
371	Abilene Christian U.	217	208	189	248	0	54	194	0
372	Colby C.	291	459	270	247	0	119	128	0
373	U. NC Pembroke	ne	ne	230	247	0	247	0	0
374	U. San Francisco	146	132	126	243	0	229	14	0
375	St. John's U. (Jamaica, NY)	34 i	462	417	242	0	242	0	0
376	Washington and Lee U.	252 i	270	266	241	0	216	25	0
377	Wabash C.	358	329	118	238	0	205	33	0
378	MT State U. Billings	ne	99 i	62	237	0	14	223	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
379	SUNY C. Oswego	115	47	140	232	0	217	15	0
380	CA State U. Fresno	180	167	164	230 i	0 i	3 i	227 i	0 i
381	Southwestern OK State U.	ne	ne	ne	230	0	230	0	0
382	U. Detroit Mercy	205 e	190 i	222	228 i	0 i	228 i	0 i	0 i
383	Drake U.	382	221	279	222	0	51	171	0
384	Ursinus C.	ne	ne	243	222	0	199	23	0
385	Roger Williams U. Bristol	0	112	116	221	0	221	0	0
386	Mills C.	ne	ne	206 i	217 i	6 i	53 i	158 i	0 i
387	U. San Diego	409	1,053	205	217	0	143	74	0
388	Loyola U. New Orleans	136 i	138	139	216	0	147	69	0
389	CUNY Herbert H. Lehman C.	156	171	191	215	0	4	211	0
390	U. Scranton	311	447	543	214	0	76	138	0
391	Eastern KY U.	55	62	327	211	0	207	4	0
392	Lamar U.	161	136	89	208	0	208	0	0
393	Hendrix C.	188	285	381	207	0	0	207	0
394	Hobart and William Smith Colleges	ne	ne	ne	207	0	45	141	21
395	Sinte Gleska U.	ne	51	50	205	0	28	0	177
396	Denison U.	256	245 i	237	203	0	96	107	0
397	CUNY Medgar Evers C.	124	10	238	198	0	0	189	9
398	Murray State U.	237	314	172	196	0	48	148	0
399	Ithaca C.	110	104	404	195	0	81	114	0
400	Sam Houston State U.	53 i	109	129	189	0	189	0	0
401	Central WA U.	176	81	292	184	0	181	3	0
402	Gettysburg C.	ne	229	176	184	0	5	179	0
403	U. MD Eastern Shore	500	82	243	182	0	0	0	182
404	Rhodes C.	12 i	6	106	178	0	178	0	0
405	Dillard U.	578	1,194 i	1,807 i	171	0	0	171	0
406	IN State U. all campuses	86	24	326	171	0	146	25	0
407	Central CT State U.	38	529	218	170	0	20	150	0
408	U. AR Pine Bluff	284	168	441	170	0	159	11	0
409	TX Woman's U.	95	70	85	169	0	169	0	0
410	Northeastern IL U.	8	2	5	160	0	160	0	0
411	Long Island U. all campuses	137	85	156	159 i	0 i	52 i	107 i	0 i
412	Loyola Marymount U.	111	69	101	158	0	106	52	0
413	Troy U. main campus	ne	ne	148	158	0	0	158	0
414	Lawrence U.	39 i	41 i	407	156	0	81	75	0
415	U. WI River Falls	134	202	259	155	0	21	134	0
416	Miles C.	ne	ne	ne	153	0	140	13	0
417	SUNY Fredonia	103	79	116	152	0	152	0	0
418	Santa Clara U.	ne	140 i	145 i	151 i	12 i	48 i	71 i	20 i
419	CA State U. Chico	9 i	139	146 i	149 i	0 i	113 i	0 i	36 i
420	Juniata C.	129	205	70	146	0	135	11	0
421	Hofstra U.	5 i	5 i	229	142	0	3	139	0
422	Grand Valley State U.	74	130	126	140	0	103	22	15
423	Augustana C. (Sioux Falls, SD)	31	0	190	139	0	91	48	0
424	U. of St. Thomas (St. Paul, MN)	185	153	136	138	0	22	116	0
425	Lewis and Clark C.	144	146	182	137	9	100	28	0
426	CA State U. Fullerton	145	38	111	134	0	51	83	0
427	U. WI Stevens Point	106	77	32	133	0	115	18	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
428	DePaul U.	85	213	69	132	0	99	33	0
429	Fayetteville State U.	43	30	0	132	3	0	0	129
430	Truman State U.	41	35	61	131	0	105	18	8
431	U. Houston-Clear Lake	81	115	136	125	0	107	12	6
432	SUNY C. Buffalo	20	97	53	122	0	44	78	0
433	Grinnell C.	558	99	101	119	0	44	75	0
434	Western CT State U.	ne	ne	ne	119	0	6	113	0
435	Eastern IL U.	0 i	0 i	0 i	117	0	113	4	0
436	Central State U.	23 i	79	116	116	0	116	0	0
437	C. NJ, The	113 i	89 i	73	116	0	100	16	0
438	Claremont McKenna C.	ne	ne	ne	115 i	9 i	58 i	41 i	7 i
439	U. AK Anchorage all campuses	0 i	0	9	115	2	107	5	1
440	Muhlenberg C.	ne	40	0	114	0	114	0	0
441	Oglala Lakota C.	ne	ne	ne	112	0	112	0	0
442	Tougaloo C.	188 i	157 i	101	110	0	0	110	0
443	Kettering U.	43	7	19	105	0	36	69	0
444	St. Cloud State U.	125	189	159	105	0	57	48	0
445	Willamette U.	75	79	162	100	0	86	14	0
446	Davidson C.	40 i	31 i	25	99	0	40	59	0
447	Eastern WA U.	0	55	45	98	0	98	0	0
448	Chapman U.	0	13	9	96	0	96	0	0
449	Coastal Carolina U.	92	73	189	96	0	47	49	0
450	Winona State U.	ne	ne	ne	94	0	48	46	0
451	VA Military Institute	33	141	106	91	0	80	11	0
452	Lake Forest C.	106	40	30	90	0	32	58	0
453	Kalamazoo C.	222	116	115	88	0	58	30	0
454	Alfred U. all campuses	6	82	166	87	0	1	86	0
455	Ft. Lewis C.	64	309	347	87	0	34	53	0
456	Gustavus Adolphus C.	410	167	145	87	0	34	53	0
457	Vassar C.	158 i	137 i	334	84	0	0	84	0
458	U. WI Oshkosh	179	138	87	83	0	14	69	0
459	OH Wesleyan U.	97 i	55	38	82	0	15	67	0
460	Point Loma Nazarene C.	162 i	230	193	80	0	80	0	0
461	Pittsburg State U.	1	31	52	73	0	63	10	0
462	Simmons C.	276	72	1	72	0	0	72	0
463	Mercer U. all campuses	512	521	119	70	0	70	0	0
464	Stephen F. Austin State U.	128	55	107	70	17	53	0	0
465	Siena C.	ne	ne	69 i	67 i	3 i	40 i	24 i	0 i
466	DePauw U.	58 i	59 i	63 i	66 i	1 i	9 i	56 i	0 i
467	Fordham U.	23	11	13	66	0	18	48	0
468	MN State U. Mankato	6 i	10	9	66	2	61	3	0
469	Monmouth U.	61 i	57	44	66	0	66	0	0
470	Roanoke C.	328	220	472	66	0	36	30	0
471	Hampshire C.	352	74	128	65	0	65	0	0
472	Mercyhurst C.	ne	ne	51	64	0	46	18	0
473	CO State U. Pueblo	327	164	188	62	0	46	16	0
474	Morehead State U.	124	8	133	62	62	0	0	0
475	Whitman C.	87	94	26	62	53	4	5	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
476	Mt. St. Mary's C. (Los Angeles, CA)	10	76	119	61	0	0	61	0
477	Rider U.	41	42	24	58	0	58	0	0
478	SUNY C. Cortland	32	29	56	57	0	57	0	0
479	U. Redlands	81	119	63	57	53	4	0	0
480	Andrews U.	172	69	76	54	0	39	15	0
481	U. WI Parkside	59	48	20	53	0	49	4	0
482	Indiana U. PA all campuses	62	8	66	51	0	45	6	0
483	Lincoln U. (Lincoln University, PA)	122	122	448	50	0	11	39	0
484	Sweet Briar C.	ne	ne	ne	50	26	22	2	0
485	U. AK Southeast all campuses	140 i	6	113	50	0	50	0	0
486	Bard C.	ne	32 i	ne	47 i	4 i	24 i	17 i	2 i
487	Tarleton State U.	478	468	78	47	0	47	0	0
488	Gallaudet U.	0	0	0	46	0	46	0	0
489	U. LA Monroe	16	11	0	46	0	46	0	0
490	U. New Haven	0 i	0	ne	44	0	14	30	0
491	Angelo State U.	ne	ne	57 i	43	0	2	41	0
492	CUNY John Jay C. of Criminal Justice	6	9	4	42	0	38	0	4
493	Canisius C.	167 i	184 i	55	41	0	30	11	0
494	McNeese State U.	68	34	43	40	0	28	12	0
495	Milwaukee School of Engineering	43	36	39	40	0	0	40	0
496	Pacific U.	168 i	47	238	40	0	40	0	0
497	U.S. Coast Guard Academy	5	0	0	40	0	40	0	0
498	WV State U.	100	70	0	39	0	39	0	0
499	West TX A&M U.	68	206	231	38	0	0	0	38
500	CUNY York C.	174	64	20	36	0	26	7	3
501	LeTourneau U.	ne	ne	ne	36	0	36	0	0
502	St. Joseph's U.	77	76	72	35	0	28	7	0
503	U. IL Springfield	16	110	45	35	0	35	0	0
504	U. TX Tyler	ne	22	36	35	0	0	35	0
505	Benedict C.	0	0	42	34	0	34	0	0
506	CUNY Baruch C.	74	47	61	33	0	0	2	31
507	Southern OR U.	225	336	61	33	0	0	12	21
508	Providence C.	45	9	12	32	0	32	0	0
509	U. West FL	439	56	23	29	0	29	0	0
510	U. of the South	ne	32	6	29	0	29	0	0
511	Edward Waters C.	ne	ne	ne	27 i	1 i	15 i	9 i	2 i
512	Seattle Pacific U.	ne	ne	ne	27 i	1 i	15 i	9 i	2 i
513	Millersville U. PA	20 i	21 i	22 i	26	0	26	0	0
514	Universidad Metropolitana	ne	493 i	39	26	0	26	0	0
515	Saginaw Valley State U.	36	40	38	25	0	25	0	0
516	St. Mary's C. MD	14	15	25	23	0	4	19	0
517	U. Southern ME	12 i	15 i	23	23	0	23	0	0
518	U. WI Whitewater	116	129	46	21	0	0	21	0
519	U. PR Cayey	ne	ne	ne	20	0	20	0	0
520	Wilkes U.	45	ne	0	19	0	19	0	0
521	William Paterson U. NJ	ne	ne	ne	19 i	0 i	12 i	6 i	1 i

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
522	Loyola C.	93	174	156 i	18	0	0	18	0
523	U. WI Platteville	26 i	30	46	18	0	18	0	0
524	MS Valley State U.	78	81	26	17	0	0	0	17
525	U. Hartford	76	5	25	17	0	17	0	0
526	Arcadia U.	ne	28 i	28 i	16	0	16	0	0
527	VA State U.	308	167	4	16	0	0	0	16
528	Montclair State U.	37 i	31 i	13 i	15 i	0 i	15 i	0 i	0 i
529	Berry C.	ne	ne	15	14 i	0 i	14 i	0 i	0 i
530	Goucher C.	ne	ne	ne	14	0	12	2	0
531	Sonoma State U.	42	33	12	14	0	14	0	0
532	Millsaps C.	ne	29 i	0	12	0	12	0	0
533	Nicholls State U.	16	1	1	12	9	3	0	0
534	Fairleigh Dickinson U. all campuses	ne	ne	ne	11 i	1 i	4 i	5 i	1 i
535	Kennesaw State U.	311	71	29	11	0	11	0	0
536	U. Puget Sound	4	0	9	10	0	10	0	0
537	Manhattan C.	0 i	8	9	9 i	0 i	9 i	0 i	0 i
538	Wilberforce U.	0 i	0 i	0 i	9	0	9	0	0
539	Northeastern State U.	88 i	8	8	8	0	8	0	0
540	Western Carolina U.	0	0	120	8	0	8	0	0
541	Southern Polytechnic State U.	ne	ne	ne	6	0	3	3	0
542	John Carroll U.	59	38	16	5	0	5	0	0
543	Humboldt State U.	21 i	21 i	1	4	0	0	4	0
544	Pace U. all campuses	0	4	0	4	0	4	0	0
545	U. WI Superior	28	21	7	2	0	2	0	0
546	U. AK Fairbanks all campuses	1,919	58	2	1 i	0 i	0 i	1 i	0 i
547	U. Houston-Downtown	195	47	279	1	0	1	0	0
	All other surveyed institutions	2,247	1,830	1,468	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$101,317 in total R&D expenditures in the physical sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Physical sciences, nec
					All physical sciences	Astronomy	Chemistry	Physics	
	All institutions	2,569,310	2,672,209	2,698,774	2,677,165	301,847	969,150	1,218,828	187,340
1	CA Institute of Technology	135,480	137,909	141,376	150,022	8,455	28,822	112,745	0
2	Johns Hopkins U., The ^a	146,179	143,656	136,988	126,693	38,136	15,787	60,904	11,866
3	MA Institute of Technology	102,417	99,707	94,818	95,057	20,072	18,449	51,212	5,324
4	U. AZ	74,058	88,926	89,270	87,317	71,809	10,630	4,878	0
5	U. CA, Berkeley	75,959	98,554	76,542	63,593	5,632	19,561	38,342	58
6	U. TX Austin	55,000	58,142	60,258	61,858	5,389	14,173	42,204	92
7	U. CO all campuses	51,571	53,077	57,838	57,541	19,215	15,084	17,865	5,377
8	Stanford U.	81,910	86,352	64,675	56,783	0	13,052	9,285	34,446
9	Cornell U. all campuses	56,657	55,723	60,332	56,576	4,780	11,387	35,785	4,624
10	U. CA, Los Angeles	43,093	40,051	45,676	49,423	0	17,123	32,300	0
11	Harvard U.	38,678	44,859	54,461	48,423	4,516	25,629	15,413	2,865
12	U. MD College Park	41,245	42,744	42,273	45,685	14,442	6,074	25,169	0
13	U. CA, San Diego	31,947	37,162	36,137	39,862	0	19,701	18,781	1,380
14	U. IL Urbana-Champaign	34,848	37,870	38,668	38,525	1,871	19,674	16,980	0
15	MI State U.	33,638	34,833	36,304	38,216	0	7,413	30,803	0
16	U. WI Madison	35,815	38,025	39,819	37,233	3,070	10,230	19,386	4,547
17	U. Chicago	37,518	37,961	38,206	36,157	14,107	8,805	9,595	3,650
18	PA State U. all campuses	41,873	40,854	39,700	33,865	4,650	10,184	19,031	0
19	FL State U.	27,702	27,349	28,571	31,823	0	3,109	28,714	0
20	Columbia U. in the City of NY	32,918	38,206	33,473	29,578	6,600	6,298	3,218	13,462
21	U. WA	32,044	28,430	28,350	29,485	2,181	15,592	11,712	0
22	U. HI Manoa	20,193	26,669	32,393	27,071	19,860	1,745	4,962	504
23	U. MI all campuses	26,627	28,789	28,068	26,753	2,456	11,371	12,702	224
24	Boston U.	23,839	20,776	24,027	25,387	1,103	3,843	6,411	14,030
25	U. CA, Santa Barbara	18,087	17,169	21,141	25,104	0	3,223	9,611	12,270
26	Rutgers, The State U. NJ all campuses	19,613	23,676	24,322	23,935	0	16,696	7,239	0
27	U. PA	23,112	25,902	27,710	23,930	0	12,182	11,748	0
28	Princeton U.	21,732	23,850	21,251	23,907	3,708	7,576	12,623	0
29	U. FL	24,770	23,676	24,585	21,537	2,189	8,580	10,663	105
30	Northwestern U.	20,551	21,612	20,161	20,988	0	14,785	5,125	1,078
31	U. NC Chapel Hill	15,909	18,103	19,346	20,427	0	16,263	4,164	0
32	U. CA, Irvine	13,910	17,794	20,070	19,920	0	11,227	8,693	0
33	GA Institute of Technology all campuses	15,064	16,857	18,346	19,469	0	11,260	8,201	8
34	NM Institute of Mining and Technology	1,065	2,373 i	13,505	19,435	10,110	1,710	1,361	6,254
35	Purdue U. all campuses	13,736	14,606	15,655	19,183	0	12,721	6,462	0
36	OH State U. all campuses	20,759	20,081	18,050	18,791	1,391	7,924	9,279	197
37	TX A&M U.	20,316	22,756	18,786	18,775	0	10,219	7,602	954
38	U. CA, Santa Cruz	18,733	17,752	17,231	18,187	7,905	5,811	4,471	0
39	SUNY Stony Brook all campuses	19,977	19,768	18,967	17,752	1,530	6,349	9,873	0
40	U. MN all campuses	19,610	20,991	20,712	17,698	1,192	7,643	8,863	0
41	U. of Notre Dame	17,370	15,252	16,774	17,421	0	8,929	8,492	0
42	Yale U.	16,383	15,766	16,320	16,667	893	6,193	9,581	0
43	U. CA, San Francisco	22,215	19,621	19,962	15,957	0	15,957	0	0
44	U. CA, Davis	14,688	14,173	16,558	15,484	0	6,360	4,710	4,414
45	Duke U.	15,267	14,513	14,448	15,101	0	4,853	10,248	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
46	Vanderbilt U.	11,132	13,376	14,182	15,082	0	6,940	8,142	0
47	U. Pittsburgh all campuses	17,663	17,820	15,179	14,755	944	10,437	3,374	0
48	IN U. all campuses	15,566	15,954	15,118	14,494	480	4,622	9,392	0
49	U. UT	13,352	13,823	14,538	14,237	0	9,963	4,274	0
50	U. IA	13,064	12,967	13,350	14,151	1,092	3,231	9,828	0
51	MT State U. Bozeman	12,397	13,000	13,828	13,906	0	6,006	7,900	0
52	LA State U. all campuses	12,687	15,124	15,191	13,769	0	8,567	5,202	0
53	U. Central FL	15,123	10,870	11,494	13,686	0	1,744	10,429	1,513
54	U. MS all campuses	15,358	16,361	15,226	13,654	0	549	13,105	0
55	NM State U. main campus	8,144	9,458	7,413	13,257	4,696	6,874	1,543	144
56	U. VA all campuses	15,063	15,054	13,494	13,116	2,172	5,419	5,525	0
57	ND State U. all campuses	13,227	12,069	13,176	13,052	0	3,632	138	9,282
58	U. NM main campus	7,084	8,358	14,573	13,038	40	2,140	6,532	4,326
59	U. DE	13,825	13,940	12,252	12,528	50	5,906	1,559	5,013
60	WA State U.	10,332	11,783	12,217	12,434	0	4,292	8,142	0
61	Rice U.	14,824	16,180	12,738	12,386	84	3,087	9,215	0
62	Catholic U. America, The	15,229	12,333	10,213	12,374	0	542	4,950	6,882
63	NC State U.	9,439	10,331	11,697	12,243	0	3,839	8,404	0
64	AZ State U.	11,252	13,549	13,426	12,017	221	8,303	3,493	0
65	U. PR Rio Piedras Campus	3,208	6,350	11,128	11,340	0	10,978	362	0
66	U. TN all campuses	9,606	11,946	11,415	11,310	0	3,834	7,476	0
67	Washington U. St. Louis	10,189	10,983	13,120	11,173	0	5,822	5,351	0
68	U. Southern MS	6,065	8,301	7,312	10,682	0	9,376	1,306	0
69	U. OR	7,071	6,460	7,700	10,560	0	3,657	6,903	0
70	U. NV, Reno	7,315	9,810	13,243	10,422	13	2,315	8,012	82
71	NJ Institute of Technology	5,547	6,510	7,086	10,143	0	4,528	5,615	0
72	U. AR main campus	7,915	8,156	7,179	9,755	22	4,731	5,002	0
73	Rensselaer Polytechnic Institute	4,241	5,378	6,354	9,710	0	4,472	5,238	0
74	U. Rochester	9,926	9,881	10,479	9,350	0	3,195	6,155	0
75	U. SC all campuses	8,480	7,175	9,289	9,293	0	5,901	3,227	165
76	VA Polytechnic Institute and State U.	7,526	6,803	7,618	9,062	0	7,360	1,618	84
77	NY U.	6,523	10,164	10,304	9,006	0	4,482	4,524	0
78	CO State U.	8,512	8,157	9,238	9,005	0	6,677	2,268	60
79	Emory U.	7,728	8,817	9,326	8,590	0	7,344	1,246	0
80	U. NV, Las Vegas	3,853	3,924	5,489	8,496	0	3,996	4,500	0
81	U. IL Chicago	10,035	8,825	8,386	8,330	0	4,469	3,861	0
82	U. NE all campuses	7,460	6,130	7,412	8,179	0	3,170	5,009	0
83	Wayne State U.	8,772	8,259	8,745	8,155	0	5,421	2,556	178
84	Carnegie Mellon U.	10,135	8,925	8,878	8,145	6	3,369	4,665	105
85	U. Southern CA	6,303	6,564	6,356	7,985	281	5,566	1,200	938
86	Northeastern U.	10,642	10,168	6,829	7,770	0	2,606	5,164	0
87	U. MA Amherst	19,128	18,358	10,779	7,538	2,112	3,100	2,326	0
88	SUNY Buffalo all campuses	9,446	8,003	7,208	7,435	0	5,993	1,442	0
89	Southwest MO State U.	1,337	4,393	4,091	7,409	23	29	5	7,352
90	U. KS all campuses	5,739	8,616	9,170	7,378	173	4,311	2,894	0
91	U. MD Baltimore County	8,721	5,343	3,855	7,253	0	3,640	1,934	1,679
92	Brown U.	7,333	7,427	7,335	7,119	0	2,723	4,396	0
93	U. MA Lowell	5,207	6,269	6,533	7,089	0	515	6,574	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
94	CUNY The City C.	6,694	7,787	7,090	6,896	0	1,897	4,999	0
95	U. CA, Riverside	5,936	7,044	7,985	6,867	0	3,826	3,041	0
96	IA State U.	6,255	6,986	7,065	6,752	0	3,300	3,452	0
97	U. TX M. D. Anderson Cancer Ctr.	5,586	4,445	5,799	6,410	0	6,410	0	0
98	Case Western Reserve U.	7,635	6,965	6,632	6,286	105	3,181	3,000	0
99	Rochester Institute of Technology	4,991	4,817	6,487	6,127	0	227	1,540	4,360
100	KS State U.	9,361	8,456	5,887	6,068	0	1,242	4,826	0
101	U. AL Huntsville, The	7,705	6,561	7,169	6,004	0	2,041	3,963	0
102	Fisk U.	5,000	6,000	6,000	6,000	0	0	6,000	0
103	U. MO-Columbia	2,702	3,817	4,724	5,952	0	3,329	2,623	0
104	Brandeis U.	5,321	4,988	7,089	5,929	0	3,008	2,921	0
105	U. CT all campuses	5,438	5,944	6,307	5,845	0	3,583	2,262	0
106	U. GA	4,617	5,193	5,355	5,722	0	3,191	2,531	0
107	Naval Postgraduate School	2,673 i	3,752	4,781	5,470	0	0	5,470	0
108	Clemson U.	5,301	5,556	5,038	5,362	0	3,039	2,323	0
109	Western KY U.	2,844	3,020	4,571	5,283	1,971	2,857	455	0
110	Auburn U. all campuses	5,395	4,975	3,811	5,248	0	2,993	2,148	107
111	FL International U.	4,898	5,247	8,778	5,186	0	1,620	439	3,127
112	U. KY all campuses	5,834	6,438	5,861	5,126	0	3,259	1,867	0
113	U. TX Arlington	3,200	3,448	4,869	5,125	0	1,860	3,265	0
114	U. OK all campuses	5,986	5,371	5,614	5,085	0	2,182	2,903	0
115	U. Cincinnati all campuses	3,145	3,301	4,608	5,028	0	3,129	1,899	0
116	Boston C.	6,851 e	5,726	5,833	4,958	0	4,042	916	0
117	U. WI Milwaukee	2,812	3,310	3,358	4,926	0	1,657	3,269	0
118	U. Akron all campuses	3,467	3,704	3,964	4,905	0	4,735	170	0
119	Jackson State U.	4,565	3,837	3,836	4,856	0	3,429	1,427	0
120	Syracuse U. all campuses	5,485	4,759	4,295	4,628	0	1,312	3,309	7
121	U. TX Dallas	4,432	5,982	6,629	4,521	0	0	0	4,521
122	Tufts U.	4,746	4,030	4,189	4,520	0	3,100	1,420	0
123	Kent State U. all campuses	4,039	3,144	3,585	4,439	0	1,020	1,601	1,818
124	Temple U.	2,705	3,344	3,957	4,397	0	1,896	2,501	0
125	U. Houston	4,254	3,700	3,790	4,361	0	2,778	1,583	0
126	GA State U.	3,827	3,362	4,131	4,308	329	2,163	1,816	0
127	ID State U.	2,822	4,691	4,590	4,260	0	498	3,762	0
128	Rockefeller U.	4,550	4,186	4,820	4,213	0	3,186	1,027	0
129	Dartmouth C.	3,299	4,853	3,642	4,176	0	1,339	2,837	0
130	Lehigh U.	2,651	3,471	2,959	3,994	0	1,762	2,232	0
131	CUNY Hunter C.	5,516	5,314	6,452	3,992	0	3,007	985	0
132	Norfolk State U.	3,430	3,608	3,183	3,975	0	2,828	1,147	0
133	AR State U. main campus	318	598	3,349	3,904	0	3,904	0	0
134	CO School of Mines	5,677	4,638	3,862	3,893	0	947	2,946	0
135	U. AL Birmingham, The	2,184	2,705	3,279	3,842	0	1,537	2,305	0
136	C. of William and Mary all campuses	8,185	5,168	4,645	3,748	0	325	3,423	0
137	U. PR Humacao	2,889	2,935	3,289	3,730	0	2,630	1,100	0
138	VA Commonwealth U.	3,779	4,235	4,543	3,694	0	2,942	752	0
139	U. MT-Missoula, The	2,943	3,365	3,663	3,690	0	3,409	281	0
140	U. Toledo	3,303	3,664	3,293	3,603	434	809	2,342	18
141	U. Louisville	1,692	1,634	2,333	3,592	116	1,648	1,555	273

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
142	Northern IL U.	3,178	1,701	3,073	3,495	0	535	2,960	0
143	OH U. all campuses	4,576	4,387	3,519	3,307	326	578	2,403	0
144	U. NH	3,645	5,096	4,083	3,247	0	1,840	1,407	0
145	IL Institute of Technology	4,558	4,753	3,241	3,236	0	870	2,366	0
146	WV U.	3,614	3,783	3,285	3,198	0	1,418	1,780	0
147	U. AL, The	2,645	3,119	2,269	3,005	150	2,178	662	15
148	Clark Atlanta U.	3,133	3,746	4,030	2,966	0	1,957	1,009	0
149	Southern Methodist U.	1,332	1,668	1,495	2,871	0	1,333	1,538	0
150	U. PR Mayaguez Campus	1,928	2,897	2,408	2,853	0	2,341	512	0
151	George Washington U.	2,545	2,811	2,310	2,825	0	1,288	1,537	0
152	Miami U. all campuses	1,605 i	2,508 i	2,465 i	2,807 i	0 i	1,489 i	1,318 i	0 i
153	CA State U. Los Angeles	2,456	3,456	4,085	2,776	0	2,320	456	0
154	Old Dominion U.	1,770	2,029	2,808	2,758	0	1,163	1,595	0
155	U.S. Air Force Academy	2,036	2,608	2,941	2,714	0	714	2,000	0
156	TX Tech U.	2,976	3,092	2,776	2,709	0	2,078	631	0
157	Drexel U.	2,327	2,480	2,672	2,698	0	858	1,840	0
158	U. TX El Paso	3,239	2,420	2,447	2,687	0	1,335	233	1,119
159	Wake Forest U.	1,468	1,948	3,372	2,683	0	1,152	1,531	0
160	Bowling Green State U. all campuses	1,037	1,485	1,454	2,527	0	2,403	124	0
161	MS State U.	4,213	5,253	5,948	2,512	4	1,292	1,216	0
162	OR State U.	2,849	3,222	3,037	2,483	44	2,082	357	0
163	San Francisco State U.	8,551 i	2,594	2,745	2,481	291	1,915	275	0
164	OK State U. all campuses	5,912	3,048	2,826	2,408	64	637	1,701	6
165	SUNY Albany	1,930	2,310	2,330	2,399	0	759	326	1,314
166	UT State U.	3,298	3,469	2,652	2,324	0	1,107	1,217	0
167	Hampton U.	2,250	815	5,133	2,320	0	340	1,980	0
168	U. ID	2,124	2,847	2,333	2,318	0	1,713	605	0
169	U. Miami	2,435	1,984	2,201	2,299	0	722	1,577	0
170	San Jose State U.	2,216	1,404	1,571	2,296	0	1,281	677	338
171	U. South FL	2,539	2,756	3,139	2,294	0	1,241	1,053	0
172	Howard U.	4,334	2,708	2,705	2,254	402	1,846	0	6
173	Georgetown U.	2,541	2,489	3,050	2,248	0	1,332	916	0
174	Western MI U.	1,776	4,403	3,904	2,217	0	946	1,271	0
175	Southern IL U. Carbondale	778	874	518	2,204	0	1,856	348	0
176	U. MO-Rolla	3,490	2,207	2,763	2,192	0	1,820	372	0
177	Air Force Institute of Technology	1,886	1,900	1,761	2,144	0	0	2,144	0
178	Brigham Young U. all campuses	3,327	3,557	3,444	2,100	192	1,343	565	0
179	George Mason U.	697	1,194	542	2,070	877	311	882	0
180	San Diego State U.	1,764	1,288	1,676	2,045	286	945	814	0
181	Wright State U. all campuses	1,600	1,401	1,409	1,961	0	292	856	813
182	U. NC Asheville	129	528	797	1,958	1,887	71	0	0
183	U. WY	2,528 e	2,217	2,312	1,938	0	773	1,165	0
184	CA State U. Northridge	1,882	1,473	1,016	1,931	182	776	973	0
185	Tulane U.	2,122	1,310	1,469	1,923	0	1,039	884	0
186	FL Institute of Technology	1,500	1,839	2,293	1,906	0	395	1,511	0
187	U. Denver	2,433	2,110	2,448	1,817	0	1,121	696	0
188	U. ME	4,130	5,636	2,067	1,796	0	339	1,457	0
189	U. North TX	975	1,323	1,009	1,775	0	1,052	723	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
190	Wesleyan U.	1,671	1,701	1,478	1,765	291	902	572	0
191	U.S. Naval Academy	823	1,651	1,320	1,725	0	1,425	300	0
192	Oakland U.	1,217	1,359	1,896	1,719	0	671	1,048	0
193	FL A&M U.	1,564	1,654	3,483	1,634	0	48	1,586	0
194	Prairie View A&M U.	695	992	1,130	1,613	426	153	1,034	0
195	Clarkson U.	1,529	1,638 i	2,105	1,601	0	1,204 i	397	0
196	NC Agricultural and Technical State U.	1,097	833	728	1,598	0	259	1,329	10
197	Xavier U. LA	1,496	1,289 i	1,271	1,583	0	1,310	0	273
198	AL A&M U.	1,872	2,044	1,782	1,551	0	198	1,353	0
199	Portland State U.	1,214 e	1,674	1,327	1,502	0	517	528	457
200	MI Technological U.	1,454	1,391	1,428	1,495	0	210	1,285	0
201	U. TX San Antonio	405	562	1,060	1,468	0	1,002	466	0
202	Villanova U.	587 i	671 i	755 i	1,392	491	872	29	0
203	U. MO-Kansas City	978	1,122	962	1,377	0	840	417	120
204	Wichita State U.	1,576	1,098	1,375	1,375	0	1,248	127	0
205	Duquesne U.	1,225	1,047	957	1,359	0	1,346	13	0
206	SUNY Binghamton	1,531	1,100	1,378	1,354	0	1,188	166	0
207	Polytechnic U.	154	2,399	1,900	1,316	0	1,216	100	0
208	U. Memphis, The	503	483	305	1,290	0	865	425	0
209	U. North FL	198	609	1,181	1,228	0	0	1,228	0
210	FL Atlantic U.	1,976	2,384	1,879	1,186	0	1,048	138	0
211	CA State U. Long Beach	577	740	617	1,143	0	702	441	0
212	DE State U.	280 i	809	869	1,126	0	0	617	509
213	U. SD	1,507	991	665	1,096	0	1,096	0	0
214	U. MO-St. Louis	1,054	923	1,297	1,087	0	873	214	0
215	Marquette U.	465	662	847	1,054	0	913	141	0
216	CUNY C. Staten Island	803	615	959	1,019	0	880	139	0
217	Stevens Institute of Technology	3,111	807	922	1,005	0	566	439	0
218	SUNY C. of Environmental Science and Forestry	454 i	546 i	548 i	957	0	957	0	0
219	Morehouse C.	350 i	597	543	947	0	475	472	0
220	East Carolina U.	629	831	959	944	0	525	419	0
221	U. NC Charlotte	5,111	2,744	3,056	878	0	196	682	0
222	Wellesley C.	472	451	538	862	460	229	173	0
223	U. Tulsa	1,033	992	643	852	0	557	295	0
224	Mt. Holyoke C.	588	722	720	834	0	753	81	0
225	TN Technological U.	205	154	182	803	0	669	134	0
226	U. MA Dartmouth	1,436	796	641	784	0	634	150	0
227	CUNY Queens C.	1,008	711	652	778	0	544	234	0
228	TX State U. San Marcos	2,266	1,919	1,179	762	0	0	0	762
229	U. ND all campuses	792	732	1,089	759	0	585	174	0
230	U. RI	852	697	617	729	0	517	212	0
231	Southern U. and A&M C. all campuses	744	735 i	890	728	0	149	579	0
232	LA Tech U.	459	573	530	718	0	180	538	0
233	TN State U.	924	764	725	718	708	10	0	0
234	Appalachian State U.	8	238	178	714	0	562	152	0
235	SUNY C. Plattsburgh	379	750	893	709	108	160	0	441

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
236	Spelman C.	645	585	643	693	0	352	341	0
237	SUNY C. Geneseo	344	421	413	693	0	0	693	0
238	U. VT	1,375	1,251	847	693	0	468	225	0
239	U. Richmond	249	793	631	690	0	420	270	0
240	Worcester Polytechnic Institute	584	551	872	675	0	330	345	0
241	Baylor U.	409	479	447	638	0	381	257	0
242	TX Christian U.	429	387	713	634	0	297	337	0
243	U. NC Greensboro	164	655	511	628	0	628	0	0
244	CUNY Brooklyn C.	151	223	1,401	619	0	617	2	0
245	SC State U.	572	612	612	612	0	612	0	0
246	IL State U.	661	465	548	598	0	482	116	0
247	St. Louis U. all campuses	57 e	289	504	572	0	435	137	0
248	American U.	265	334	757	569	0	0	569	0
249	U. NC Wilmington	445	755	670	542	0	475	67	0
250	NM Highlands U.	1,057	621	1,069	510	0	510	0	0
251	Clark U.	758 e	717	587	509	0	229	280	0
252	Bryn Mawr C.	361	203	303	497	0	81	416	0
253	CA State U. San Bernardino	99	308	44	494	0	227	267	0
254	Rose-Hulman Institute of Technology	603	439	1,601	486	0	47	439	0
255	TX Southern U.	0	1,169	2,033	481	0	481	0	0
256	Franklin & Marshall C.	497	930	586	478	4	474	0	0
257	Augsburg C.	0	0	79	464	0	0	464	0
258	U. DC	516	465	462	464	0	464	0	0
259	U. WI Eau Claire	326	396	593	464	0	418	46	0
260	Middlebury C.	686 i	748 i	808 i	459	58	162	239	0
261	Boise State U.	657	701	439	456	0	106	350	0
262	NC Central U.	1,243 i	1,452 i	612	454	0	0	454	0
263	Christopher Newport U.	1,439	1,197	278	448	0	0	448	0
264	MT Tech of the U. MT	226	374	388	448	0	448	0	0
265	SD State U.	301	418	460	446	0	446	0	0
266	Western WA U.	304	285	911	444	0	444	0	0
267	Central MI U.	2,446	2,469	646	443	0	245	198	0
268	Harvey Mudd C.	109 i	104 i	376	442	3 i	182 i	257 i	0 i
269	Occidental C.	373 i	233	292	441	0	128	313	0
270	Creighton U.	158	369	531	438	0	106	332	0
271	Southern CT State U.	214	811	711 i	436	0	0	436	0
272	Amherst C.	409	640	586	434	0	171	263	0
273	Northern AZ U.	904	741	649	434	291	143	0	0
274	Furman U.	566	439	404	427	0	427	0	0
275	CT C.	330 i	388	384	425	0	365	60	0
276	SUNY C. Old Westbury	272	737	646	423	0	423	0	0
277	C. Charleston	389	288	191	422	190	36	196	0
278	U. Northern IA	70	33	19	418	0	384	34	0
279	Valparaiso U.	202	240	330	417	221	6	190	0
280	James Madison U.	446	272	331	411	0	131	280	0
281	U. Northern CO	5	11	524	411	0	401	10	0
282	Winston-Salem State U.	410 e	430 i	368 i	411 i	0 i	43 i	368 i	0 i
283	Middle TN State U.	710	303	249	408	0	233	175	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
284	Hope C.	763	258	630	407	0	390	17	0
285	Embry-Riddle Aeronautical U.	697	0	0 i	394	388	0	6	0
286	Western IL U.	100	391	274	392	0	362	30	0
287	Bridgewater State C.	5	1	277	371 i	0 i	367 i	4 i	0 i
288	U. TX-Pan American	0	0	0	368	0	10	358	0
289	Smith C.	313	257	350	363	122	183	58	0
290	IL Wesleyan U.	ne	92	37	359	0	252	107	0
291	Hamilton C. (Clinton, NY)	276	431	465	355	0	295	60	0
292	U. South AL	100	123	123	354	0	323	31	0
293	Williams C.	258 i	356 i	438 i	349 i	35 i	125 i	189 i	0 i
294	Morgan State U.	674	795	929	346	0	323	23	0
295	Barnard C.	214 e	319	294	340	0	156	184	0
296	Youngstown State U.	966	622	904	339	0	144	195	0
297	U. CA, Merced	na	388	415	335	0	335	0	0
298	U. Central AR	368 i	370 i	408 i	335 i	4 i	151 i	167 i	13 i
299	Trinity C. (Hartford, CT)	129	41	52	334	0	334	0	0
300	Shaw U.	0	0	0	328	0	0	0	328
301	Seattle U.	35	270	307 i	326 i	0 i	0 i	326 i	0 i
302	Swarthmore C.	520	449	491	325	129	20	176	0
303	Grambling State U.	262	199	329	312	0	24	288	0
304	Marshall U.	245	80	175	312	0	240	72	0
305	Pomona C.	48	54	112	311	41	101	169	0
306	Towson U.	43	360	328	306	0	19	287	0
307	U. West GA	255	294	304	304	0	249	55	0
308	Southeastern LA U.	87	147	124	300	0	106	194	0
309	U. WI La Crosse	106	319	245	300	0	75	225	0
310	Colgate U.	202	167	314	296	20	40	236	0
311	CA State U. East Bay	276 i	1,050	758	287	0	282	5	0
312	Loyola U. Chicago	638	251	185	286	0	286	0	0
313	West Chester U. PA	20	12	45	286	69	217	0	0
314	U.S. Military Academy	0 i	0 i	0 i	278	0	53	225	0
315	U. HI Hilo	7	529	345	278	48	192	38	0
316	CA State U. Dominguez Hills	446	316	138	273	0	140	133	0
317	Southeastern OK State U.	88	315	365	271	0	271	0	0
318	Haverford C.	448 i	360 i	217 i	264 i	95 i	62 i	107 i	0 i
319	Eastern MI U.	21	204	276	263	0	263	0	0
320	TX A&M U. Corpus Christi	965	165	1,242	262	0	177	0	85
321	Lafayette C.	111	289	147	260	0	223	37	0
322	Seton Hall U.	626	531	130	254	0	14	0	240
323	Bates C.	210	206	410	253	0	218	35	0
324	U. NC Pembroke	ne	ne	160	247	0	247	0	0
325	Bucknell U.	267	288	559	246	0	112	134	0
326	St. Olaf C.	151	182	184	246	0	0	246	0
327	Oberlin C.	103	480	115	245	0	188	57	0
328	SUNY C. Brockport	20	0	165	245	0	225	20	0
329	TX A&M U. Commerce	44	47	92	245	0	196	49	0
330	Rowan U.	1,400	428	179	239	0	50	189	0
331	Carleton C.	298	348	222	238	0	143	95	0
332	U. MA Boston	274	353	383	234	0	168	66	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
333	CUNY Graduate Ctr.	38	193	0	230	0	0	230	0
334	MT State U. Billings	ne	99 i	57	230	0	14	216	0
335	Southwestern OK State U.	ne	ne	ne	230	0	230	0	0
336	CA State U. Fresno	137	142	140	222 i	0 i	0 i	222 i	0 i
337	Roger Williams U. Bristol	0	112	116	221	0	221	0	0
338	Tuskegee U.	194	185	179	221	0	117	104	0
339	Northern KY U.	80	104	448	220	0	120	100	0
340	Mills C.	ne	ne	206 i	217 i	6 i	53 i	158 i	0 i
341	C. of the Holy Cross	365	77	303	214	0	151	63	0
342	Pacific Lutheran U.	199 i	215 i	231 i	214	0	214	0	0
343	Southern IL U. Edwardsville	92	298	173	206	0	206	0	0
344	U. of the Pacific	0	475	477	206	0	0	206	0
345	Sinte Gleska U.	ne	51	50	205	0	28	0	177
346	CA State U. Bakersfield	250 i	126	163	204	0	0	204	0
347	Allegheny C.	364	147	95	203	0	141	62	0
348	Hendrix C.	172	245	272	201	0	0	201	0
349	U. San Francisco	146	124	117	200	0	192	8	0
350	Trinity U.	246	197	215	196	0	177	19	0
351	SD School of Mines and Technology	132	68	663	195	0	0	195	0
352	Abilene Christian U.	124	164	184	194	0	0	194	0
353	Eastern KY U.	47	51	321	194	0	194	0	0
354	Bowdoin C.	221	221	285	189	18	54	117	0
355	CUNY Medgar Evers C.	122	5	237	189	0	0	189	0
356	Ball State U.	292	534	326	182	0	182	0	0
357	GA Southern U.	109	157	138	182	4	142	36	0
358	U. MD Eastern Shore	500	77	243	182	0	0	0	182
359	Union C. (Schenectady, NY)	62	68	200	179	0	63	116	0
360	Coe C.	ne	ne	ne	178	0	79	99	0
361	Gettysburg C.	ne	184	154	178	0	0	178	0
362	Macalester C.	371	241	368	178	25	73	80	0
363	Rhodes C.	9 i	6	106	176	0	176	0	0
364	Colby C.	207	368	175	174	0	72	102	0
365	Sarah Lawrence C.	ne	ne	244	172	0	172	0	0
366	Drake U.	232	159	181	171	0	0	171	0
367	U. AR Pine Bluff	230	140	356	166	0	155	11	0
368	Wabash C.	157	145	79	165	0	132	33	0
369	Eastern OR U.	64	123	593	163	0	163	0	0
370	SUNY C. Oswego	59	31	111	162	0	147	15	0
371	Central CT State U.	29	512	207	159	0	10	149	0
372	Washington and Lee U.	160 i	175	171	158	0	153	5	0
373	U. AR Little Rock	229	372	156 i	157 i	0 i	157 i	0 i	0 i
374	Miles C.	ne	ne	ne	153	0	140	13	0
375	U. Portland	11	3	166	153	0	148	5	0
376	Calvin C.	75	128	275	149	0	42	107	0
377	C. Wooster	198 i	329 i	358 i	149	0	149	0	0
378	U. Dayton	153	127	180	147	0	107	40	0
379	Troy U. main campus	ne	ne	141	145	0	0	145	0
380	Hobart and William Smith Colleges	ne	ne	ne	144	0	3	141	0
381	CUNY Herbert H. Lehman C.	99	125	165	143	0	0	143	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
382	Santa Clara U.	ne	140 i	143 i	143 i	12 i	44 i	67 i	20 i
383	U. Scranton	232	232	414	141	0	10	131	0
384	Augustana C. (Sioux Falls, SD)	16	0	140	137	0	91	46	0
385	IN State U. all campuses	39	7	310	130	0	105	25	0
386	Lawrence U.	27 i	29 i	257	125	0	81	44	0
387	U. Detroit Mercy	110 e	137 i	122	123 i	0 i	123 i	0 i	0 i
388	Loyola U. New Orleans	69 i	75	65	122	0	81	41	0
389	Central WA U.	124	18	112	120	0	117	3	0
390	DePaul U.	77	86	55	120	0	96	24	0
391	Long Island U. all campuses	113	85	120	120 i	0 i	18 i	102 i	0 i
392	Bradley U.	155	212	186	119	0	0	119	0
393	SUNY C. Buffalo	0	79	37	119	0	41	78	0
394	Central State U.	23 i	79	116	116	0	116	0	0
395	Claremont McKenna C.	ne	ne	ne	115 i	9 i	58 i	41 i	7 i
396	U. WI River Falls	80	152	212	115	0	0	115	0
397	U. of the Sciences Philadelphia	0	0	0	114	0	114	0	0
398	Western CT State U.	ne	ne	ne	113	0	0	113	0
399	East TN State U.	91	120	105	112	0	0	112	0
400	Oglala Lakota C.	ne	ne	ne	112	0	112	0	0
401	Sam Houston State U.	0 i	15	0	109	0	109	0	0
402	Northeastern IL U.	0	0	0	108	0	108	0	0
403	CA State U. Fullerton	105	10	90	106	0	36	70	0
404	U. San Diego	182	821	60	106	0	51	55	0
405	Hofstra U.	5 i	5 i	116	105	0	0	105	0
406	Reed C.	375	213	81	105	0	62	0	43
407	TX A&M U. Kingsville	91	31	198	96	0	54	0	42
408	CA State Polytechnic U. San Luis Obispo	26	170	117	95	0	80	15	0
409	Murray State U.	28	43	74	91	0	9	82	0
410	Denison U.	134	128 i	106	88	0	0	88	0
411	Cleveland State U.	155	162	273	86	0	50	36	0
412	Vassar C.	61 i	68	334	84	0	0	84	0
413	Juniata C.	64	93	26	83	0	72	11	0
414	Ithaca C.	0	0	275	81	0	0	81	0
415	Skidmore C.	0	0	21	81	0	0	0	81
416	Point Loma Nazarene C.	145 i	230	193	80	0	80	0	0
417	Coastal Carolina U.	80	46	135	78	0	32	46	0
418	Eastern IL U.	0 i	0 i	0 i	76	0	76	0	0
419	Fayetteville State U.	38	30	0	74	3	0	0	71
420	Chapman U.	0	13	5	69	0	69	0	0
421	U. AK Anchorage all campuses	0 i	0	9	69	2	66	0	1
422	U. WI Stevens Point	86	51	13	69	0	54	15	0
423	U. WI Oshkosh	167	104	83	68	0	0	68	0
424	DePauw U.	58 i	59 i	63 i	66 i	1 i	9 i	56 i	0 i
425	Monmouth U.	61 i	57	44	66	0	66	0	0
426	Gustavus Adolphus C.	319	110	97	65	0	26	39	0
427	Siena C.	ne	ne	69 i	64 i	3 i	39 i	22 i	0 i
428	U. of St. Thomas (St. Paul, MN)	101	68	53	64	0	0	64	0
429	Pittsburg State U.	0	26	32	63	0	63	0	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
430	Dickinson C.	283	120	64	62	62	0	0	0
431	Mt. St. Mary's C. (Los Angeles, CA)	10	76	119	61	0	0	61	0
432	St. Cloud State U.	109	93	81	58	0	15	43	0
433	SUNY C. Cortland	23	16	7	57	0	57	0	0
434	Alfred U. all campuses	5	0	50	55	0	1	54	0
435	MN State U. Mankato	1 i	0	2	54	2	52	0	0
436	U. LA Lafayette	102	41	24	54	0	0	54	0
437	Whitman C.	83	83	25	54	49	0	5	0
438	TX Woman's U.	0	0	0	53	0	53	0	0
439	U. Redlands	57	111	61	53	53	0	0	0
440	MA C. of Pharmacy and Health Sciences	0	0 i	0 i	52	0	52	0	0
441	Lincoln U. (Lincoln University, PA)	122	122	448	50	0	11	39	0
442	Bard C.	ne	32 i	ne	47 i	4 i	24 i	17 i	2 i
443	OH Wesleyan U.	65 i	0	0	47	0	0	47	0
444	Gallaudet U.	0	0	0	46	0	46	0	0
445	Lewis and Clark C.	69	37	75	45	0	33	12	0
446	FL Gulf Coast U.	0	678	380	44	20	0	0	24
447	Canisius C.	51 i	54 i	55	41	0	30	11	0
448	Loyola Marymount U.	56	55	40	41	0	0	41	0
449	Indiana U. PA all campuses	33	1	58	40	0	40	0	0
450	Milwaukee School of Engineering	0	0	39	40	0	0	40	0
451	CA State U. Chico	9 i	35	36 i	36 i	0 i	0 i	0 i	36 i
452	U.S. Coast Guard Academy	5	0	0	36	0	36	0	0
453	Benedict C.	0	0	42	34	0	34	0	0
454	Mercer U. all campuses	15	190	11	33	0	33	0	0
455	U. TX of the Permian Basin	ne	ne	ne	33	0	0	33	0
456	Andrews U.	139	44	61	30	0	30	0	0
457	Grand Valley State U.	0	28	21	30	0	28	2	0
458	U. New Haven	0 i	0	ne	30	0	0	30	0
459	Ursinus C.	ne	ne	57	30	0	7	23	0
460	St. John's U. (Jamaica, NY)	0 i	346	287	28	0	28	0	0
461	Roanoke C.	287	169	125	26	0	0	26	0
462	Universidad Metropolitana	ne	493 i	39	26	0	26	0	0
463	Providence C.	36	0	5	25	0	25	0	0
464	Southern OR U.	63	293	34	25	0	0	9	16
465	Truman State U.	21	21	22	25	0	17	0	8
466	U. WI Parkside	51	34	3	25	0	21	4	0
467	WV State U.	100	66	0	23	0	23	0	0
468	Sweet Briar C.	ne	ne	ne	22	22	0	0	0
469	Kalamazoo C.	135	55	46	21	0	21	0	0
470	U. WI Whitewater	116	128	44	21	0	0	21	0
471	Lamar U.	10	25	24	20	0	20	0	0
472	U. PR Cayey	ne	ne	ne	20	0	20	0	0
473	Morehead State U.	27	4	92	19	19	0	0	0
474	U. Southern ME	0 i	0 i	0	18	0	18	0	0
475	VA Military Institute	0	35	10	18	0	18	0	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2007 physical sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
476	Loyola C.	93	73	62 i	17	0	0	17	0
477	MS Valley State U.	78	81	26	17	0	0	0	17
478	Hampshire C.	288	57	85	15	0	15	0	0
479	Kettering U.	0	0	0	15	0	15	0	0
480	William Paterson U. NJ	ne	ne	ne	15 i	0 i	9 i	5 i	1 i
481	CO State U. Pueblo	319	163	187	14	0	0	14	0
482	Ft. Lewis C.	33	4	329	14	0	2	12	0
483	Berry C.	ne	ne	14	13 i	0 i	13 i	0 i	0 i
484	Goucher C.	ne	ne	ne	13	0	12	1	0
485	Angelo State U.	ne	ne	9 i	12	0	0	12	0
486	Millsaps C.	ne	0 i	0	12	0	12	0	0
487	St. Mary's C. MD	12	4	15	12	0	4	8	0
488	Saginaw Valley State U.	3	5	9	11	0	11	0	0
489	Simmons C.	175	72	1	11	0	0	11	0
490	Manhattan C.	0 i	8	9	9 i	0 i	9 i	0 i	0 i
491	SUNY Fredonia	65	30	33	8	0	8	0	0
492	Western Carolina U.	0	0	120	8	0	8	0	0
493	Grinnell C.	225	0	6	7	0	0	7	0
494	St. Joseph's U.	4	3	4	7	0	0	7	0
495	Arcadia U.	ne	28 i	28 i	6	0	6	0	0
496	C. NJ, The	0 i	0 i	0	6	0	0	6	0
497	Fordham U.	0	0	6	5	0	0	5	0
498	U. IL Springfield	2	97	22	5	0	5	0	0
499	Fairfield U.	99	65	61	2	0	0	2	0
500	Seattle Pacific U.	ne	ne	ne	2 i	0 i	1 i	1 i	0 i
501	U. AK Fairbanks all campuses	206	53	1	1 i	0 i	0 i	1 i	0 i
	All other surveyed institutions	4,211	3,026	3,009	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$100,206 in federally financed R&D expenditures in the physical sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	1,318,180	1,370,949	1,413,123	1,447,351	921,226	952,126	967,923	969,150
1	CA Institute of Technology	22,968	29,563	34,322	35,420	19,685	25,171	28,662	28,822
2	Harvard U.	22,135	26,572	33,943	29,029	19,617	24,109	31,683	25,629
3	U. CA, Berkeley	25,984	25,666	27,315	28,283	19,988	19,200	19,891	19,561
4	U. IL Urbana-Champaign	21,217	22,603	25,034	27,981	14,295	15,694	16,496	19,674
5	TX A&M U.	19,475	21,739	22,448	23,651	8,652	11,642	10,098	10,219
6	GA Institute of Technology all campuses	14,528	17,930	22,837	23,356	8,500	10,201	10,360	11,260
7	U. CA, San Francisco	29,609	26,041	25,664	22,601	22,215	19,621	19,962	15,957
8	U. CA, San Diego	19,638	23,028	21,789	22,599	14,648	18,133	17,451	19,701
9	U. CA, Los Angeles	20,453	18,377	18,381	22,325	15,453	14,666	13,491	17,123
10	U. TX Austin	24,154	25,818	24,247	21,782	16,136	16,523	15,163	14,173
11	Rutgers, The State U. NJ all campuses	16,416	21,049	23,629	21,128	12,276	16,893	17,695	16,696
12	MA Institute of Technology	20,926	17,984	18,142	20,620	18,774	16,149	16,004	18,449
13	Northwestern U.	17,704	17,825	17,258	20,435	13,631	14,549	13,767	14,785
14	U. NC Chapel Hill	16,186	18,521	21,280	20,166	12,753	14,707	15,757	16,263
15	Purdue U. all campuses	12,776	13,070	13,723	19,605	8,419	8,931	9,604	12,721
16	PA State U. all campuses	22,330	20,711	22,652	18,796	14,573	13,227	12,082	10,184
17	Cornell U. all campuses	20,600	20,770	21,090	18,380	15,350	13,398	14,528	11,387
18	U. WA	19,354	18,154	18,716	17,843	17,900	15,212	15,243	15,592
19	U. CO all campuses	14,960	18,251	19,274	17,672	12,843	15,716	16,842	15,084
20	U. CA, Irvine	11,315	14,192	16,186	17,129	6,931	10,281	10,901	11,227
21	U. WI Madison	17,115	15,710	18,348	17,122	10,830	9,696	11,624	10,230
22	Stanford U.	18,863	16,781	16,283	17,056	16,668	14,250	12,970	13,052
23	Johns Hopkins U., The ^a	11,890	12,038	12,693	16,376	11,028	11,316	11,875	15,787
24	U. MI all campuses	14,901	16,435	18,472	15,939	11,701	12,628	12,962	11,371
25	LA State U. all campuses	13,409	19,134	15,998	15,848	8,454	10,293	9,789	8,567
26	Emory U.	7,734	8,223	9,290	15,700	6,764	7,345	8,127	7,344
27	MI State U.	13,234	13,692	12,927	14,443	8,358	8,112	8,235	7,413
28	SUNY Stony Brook all campuses	10,656	10,191	9,388	14,383	7,060	6,486	6,094	6,349
29	U. UT	13,477	14,251	15,136	14,312	9,164	9,421	10,130	9,963
30	U. Chicago	10,083	12,108	13,261	14,187	7,315	8,213	7,792	8,805
31	U. AZ	11,312	13,046	13,734	14,094	8,758	9,587	10,235	10,630
32	U. PA	12,435	14,751	16,459	13,998	10,852	12,352	14,892	12,182
33	VA Polytechnic Institute and State U.	11,332	11,382	10,828	13,685	6,218	5,477	6,015	7,360
34	U. FL	13,011	16,153	12,828	13,417	9,667	10,427	9,237	8,580
35	Princeton U.	12,491	10,843	8,915	13,313	8,271	7,065	6,158	7,576
36	U. Akron all campuses	10,299	10,618	11,645	13,169	3,332	3,421	3,793	4,735
37	SUNY Buffalo all campuses	11,898	11,158	11,625	13,148	6,269	6,350	5,847	5,993
38	U. SC all campuses	10,515	8,801	12,627	13,008	5,844	4,383	5,900	5,901
39	U. Southern MS	8,110	9,408	9,029	11,840	5,861	7,741	6,991	9,376
40	U. Pittsburgh all campuses	13,025	14,031	12,524	11,793	11,283	11,800	10,037	10,437
41	U. MN all campuses	12,018	14,222	14,204	11,677	8,956	11,026	10,014	7,643
42	IN U. all campuses	15,642	11,734	19,684	11,336	6,920	6,766	6,494	4,622
43	AZ State U.	11,376	14,196	12,840	11,300	6,259	8,430	8,886	8,303
44	OH State U. all campuses	14,423	16,378	12,574	11,168	9,461	9,612	7,916	7,924
45	U. PR Rio Piedras Campus	3,244	5,011	10,843	11,056	3,117	4,951	10,779	10,978
46	U. Southern CA	9,418	8,615	7,432	10,520	4,760	4,902	4,915	5,566
47	U. MD College Park	9,432	9,543	8,510	10,274	7,324	6,634	5,324	6,074

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
48	U. TX M. D. Anderson Cancer Ctr.	8,465	9,041	10,790	10,149	5,586	4,445	5,799	6,410
49	U. of Notre Dame	11,325	8,591	9,731	10,071	10,204	7,730	8,768	8,929
50	U. GA	8,349	8,511	10,437	9,502	3,073	3,509	3,342	3,191
51	Wayne State U.	6,548	6,442	7,346	9,490	4,465	4,859	5,911	5,421
52	U. CA, Davis	8,455	7,692	9,218	9,054	6,628	6,004	6,908	6,360
53	CO State U.	7,422	8,503	8,871	8,671	6,005	6,531	6,624	6,677
54	FL State U.	13,841	9,351	10,825	8,671	4,821	4,645	4,454	3,109
55	Yale U.	8,363	8,658	8,865	8,015	6,348	6,534	6,456	6,193
56	Northeastern U.	3,371	5,356	6,228	8,003	1,644	1,672	2,140	2,606
57	NM State U. main campus	6,012	7,514	5,945	7,931	5,270	6,554	4,786	6,874
58	NC State U.	8,261	8,174	7,500	7,887	3,727	3,822	3,706	3,839
59	Washington U. St. Louis	7,473	7,910	9,323	7,785	5,401	5,625	6,918	5,822
60	Vanderbilt U.	4,312	5,445	6,641	7,695	3,587	4,835	6,014	6,940
61	U. CA, Santa Cruz	7,646	6,934	8,077	7,607	6,108	5,114	6,443	5,811
62	U. IA	4,853	5,882	6,228	7,570	3,711	3,375	3,623	3,231
63	Duke U.	5,434	5,885	6,216	7,435	4,155	4,140	4,432	4,853
64	Columbia U. in the City of NY	7,284	7,910	7,755	7,236	6,655	7,253	7,167	6,298
65	U. DE	9,633	9,098	6,763	7,216	7,890	7,401	5,828	5,906
66	WA State U.	6,731	6,367	7,296	6,832	3,318	3,876	4,452	4,292
67	Clemson U.	6,004	5,743	5,392	6,792	2,497	2,642	2,437	3,039
68	U. OK all campuses	7,745	7,826	7,354	6,661	2,918	2,575	2,684	2,182
69	MT State U. Bozeman	5,075	5,829	6,110	6,563	4,080	4,982	5,629	6,006
70	U. IL Chicago	6,703	7,648	6,662	6,536	4,615	4,896	4,802	4,469
71	Boston C.	6,330 e	5,610	6,132	6,529	5,222 e	4,432	4,302	4,042
72	U. AR main campus	5,908	6,313	5,449	6,298	4,657	3,930	4,057	4,731
73	U. VA all campuses	9,088	8,909	6,870	6,229	8,036	7,748	6,216	5,419
74	U. NE all campuses	5,414	4,444	5,294	6,142	2,577	1,643	2,547	3,170
75	Brown U.	5,834 i	6,659	6,026	6,140	3,079 i	3,673	3,201	2,723
76	NY U.	5,373	5,868	6,512	6,050	4,395	5,197	4,886	4,482
77	Rice U.	10,220	9,370	6,871	5,999	8,447	7,850	4,920	3,087
78	U. Houston	5,425	5,627	5,610	5,955	2,366	2,030	1,963	2,778
79	IA State U.	6,202	6,908	6,154	5,933	3,706	4,124	3,781	3,300
80	U. KS all campuses	4,124	6,391	6,840	5,851	3,013	4,452	4,965	4,311
81	U. KY all campuses	5,851	6,219	5,867	5,720	3,671	3,994	3,485	3,259
82	U. TN all campuses	4,683	6,550	5,441	5,462	3,396	4,474	3,801	3,834
83	U. Cincinnati all campuses	4,184	4,255	4,910	5,403	1,434	1,816	2,990	3,129
84	Rensselaer Polytechnic Institute	3,679	3,693	4,172	5,378	2,550	3,032	3,452	4,472
85	NJ Institute of Technology	1,186	1,668	2,149	5,375	761	1,076	1,564	4,528
86	Rockefeller U.	4,482	4,020	5,037	5,313	3,351	2,890	3,423	3,186
87	U. MO-Columbia	3,309	5,170	4,248	5,264	1,704	2,678	3,082	3,329
88	U. CT all campuses	3,720	4,935	5,440	5,183	2,877	3,901	4,166	3,583
89	U. OR	4,404	3,224	3,733	5,126	3,513	2,757	2,715	3,657
90	MS State U.	6,211	6,182	7,346	5,122	2,094	2,628	3,410	1,292
91	U. CA, Riverside	4,656	5,285	4,998	5,054	3,570	4,197	3,821	3,826
92	U. MA Amherst	18,074	17,088	6,340	4,976	10,315	9,857	4,004	3,100
93	GA State U.	3,430	4,127	4,697	4,927	2,008	1,866	2,490	2,163
94	ND State U. all campuses	5,168	4,592	4,596	4,779	4,433	3,866	3,866	3,632
95	TX Tech U.	4,076	4,877	4,116	4,734	1,532	2,266	1,815	2,078
96	Carnegie Mellon U.	4,829	4,259	4,499	4,515	3,796	3,412	3,529	3,369
97	Case Western Reserve U.	4,622	4,844	3,732	4,515	3,842	3,234	3,025	3,181
98	U. CA, Santa Barbara	6,856	6,960	7,361	4,419	5,609	5,782	6,088	3,223

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
99	CUNY Hunter C.	6,149	5,566	6,166	4,383	4,399	4,289	5,087	3,007
100	Western KY U.	1,798	2,413	3,740	4,235	1,385	1,698	3,199	2,857
101	AR State U. main campus	428	958	3,559	4,184	318	538	3,349	3,904
102	U. NV, Las Vegas	1,598 i	1,472	2,317	4,168	1,316 i	1,236	2,120	3,996
103	Boston U.	5,893	4,635	3,780	4,163	5,587	4,291	3,375	3,843
104	U. Rochester	3,602	3,550	3,536	4,140	2,885	2,874	2,864	3,195
105	Jackson State U.	3,202	2,064	2,677	4,083	2,915	1,753	2,153	3,429
106	U. MD Baltimore County	4,990	1,093	679	4,081	4,679	1,082	12	3,640
107	U. AL Huntsville, The	4,980	4,720	4,859	4,080	3,656	3,174	2,791	2,041
108	Miami U. all campuses	2,606 i	3,045 i	3,254 i	4,024 i	851 i	1,329 i	1,307 i	1,489 i
109	U. MT-Missoula, The	3,554	3,670	4,258	3,946	2,784	3,168	3,378	3,409
110	VA Commonwealth U.	4,560	5,077	5,420	3,774	3,313	3,626	3,845	2,942
111	Brandeis U.	3,390	2,665	4,976	3,620	2,738	2,000	4,047	3,008
112	U. WY	3,836 e	3,076	3,395	3,511	1,842 e	1,212	1,054	773
113	Tufts U.	4,022	2,976	2,890	3,489	3,524	2,751	2,724	3,100
114	OR State U.	3,720	3,800	3,767	3,325	2,579	2,807	2,514	2,082
115	Auburn U. all campuses	3,704	2,746	2,072	3,146	2,885	2,400	1,766	2,993
116	Duquesne U.	2,405	2,227	2,386	3,104	1,138	1,009	928	1,346
117	CUNY The City C.	3,480	3,072	3,292	3,097	2,937	2,522	2,190	1,897
118	U. TX Arlington	1,589	2,381	2,402	3,070	860	1,341	1,480	1,860
119	Clarkson U.	2,236	2,083 i	3,064	3,047	887	951 i	1,555	1,204
120	U. NV, Reno	872	1,449	2,795	3,030	774	1,377	2,549	2,315
121	Bowling Green State U. all campuses	1,637	1,739	2,516	3,013	1,002	1,212	1,221	2,403
122	Howard U.	3,608	2,252	2,464	3,007	3,493	2,197	2,402	1,846
123	U. Louisville	1,971	1,012	1,411	2,996	1,447	874	983	1,648
124	Norfolk State U.	2,121	1,956	1,606	2,986	2,011	1,795	1,500	2,828
125	U. AL, The	2,449	3,543	2,620	2,977	1,830	2,429	1,509	2,178
126	Old Dominion U.	982	1,505	4,028	2,963	394	301	863	1,163
127	Temple U.	2,403	3,225	2,940	2,943	1,744	1,743	1,851	1,896
128	U. PR Mayaguez Campus	1,679	2,475	2,461	2,810	1,423	2,081	1,957	2,341
129	U. Central FL	2,159	3,466	2,017	2,724	1,718	1,442	848	1,744
130	U. PR Humacao	1,151	1,517	2,113	2,709	1,151	1,514	2,030	2,630
131	U. WI Milwaukee	2,014	2,181	2,596	2,683	1,120	1,201	1,263	1,657
132	Southern IL U. Carbondale	1,148	1,435	844	2,668	497	728	404	1,856
133	CUNY C. Staten Island	1,153	847	1,647	2,661	743	540	878	880
134	U. South FL	3,322	3,084	3,808	2,637	1,623	1,792	1,977	1,241
135	U. NM main campus	3,238	4,002	2,683	2,622	2,731	3,087	2,285	2,140
136	Dartmouth C.	2,265	4,223	2,512	2,528	1,494	2,184	1,348	1,339
137	Lehigh U.	1,541	1,375	1,191	2,477	1,291	1,237	948	1,762
138	Polytechnic U.	0	1,250	1,175	2,473	0	1,250	825	1,216
139	WV U.	2,142	2,679	2,265	2,380	1,392	1,816	1,335	1,418
140	CA State U. Los Angeles	2,446	3,021	3,809	2,358	1,888	2,964	3,668	2,320
141	OK State U. all campuses	4,812	2,585	2,000	2,349	3,556	1,256	562	637
142	U. MO-Rolla	3,967	2,840	3,158	2,332	2,845	1,609	2,155	1,820
143	U. ID	2,153	2,792	2,338	2,305	1,441	2,076	1,733	1,713
144	Brigham Young U. all campuses	3,116	3,574	3,502	2,270	2,452	2,820	2,579	1,343
145	SUNY C. of Environmental Science and Forestry	1,545 i	893 i	1,436 i	2,262	454 i	546 i	548 i	957
146	U. North TX	1,737	1,744	1,801	2,257	306	648	568	1,052
147	Kent State U. all campuses	857	1,136	1,443	2,234	708	811	1,033	1,020

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
148	San Francisco State U.	2,854 i	2,241	2,236	2,227	2,854 i	2,189	2,063	1,915
149	SUNY Binghamton	2,896	2,335	2,352	2,225	1,320	882	1,186	1,188
150	KS State U.	2,859	2,488	2,314	2,213	2,225	1,907	1,205	1,242
151	U. NH	2,949	3,691	2,636	2,063	2,475	3,549	2,560	1,840
152	Syracuse U. all campuses	2,318	1,589	2,360	2,016	2,270	1,496	1,678	1,312
153	Clark Atlanta U.	1,859	2,100	2,999	1,974	1,801	2,019	2,844	1,957
154	U. HI Manoa	2,240	1,731	1,476	1,860	1,564	1,414	1,213	1,745
155	SD State U.	391	498	636	1,847	294	418	341	446
156	U. SD	1,731	1,419	1,787	1,840	1,507	991	665	1,096
157	Wichita State U.	1,737	1,233	1,815	1,837	1,053	812	1,248	1,248
158	FL International U.	1,853	2,236	1,495	1,800	1,396	1,495	1,431	1,620
159	SUNY Albany	1,882	1,973	1,339	1,792	1,016	1,192	816	759
160	Western MI U.	1,607	3,126	2,185	1,792	720	2,038	1,303	946
161	San Diego State U.	1,851	1,610	1,730	1,782	486	339	561	945
162	NM Institute of Mining and Technology	716	1,044 i	868	1,744	269	599 i	332	1,710
163	George Washington U.	1,353	2,089	2,308	1,732	1,100	1,457	1,065	1,288
164	U. TX San Antonio	620	766	1,849	1,716	319	454	769	1,002
165	Southern Methodist U.	918	900	706	1,706	384	417	198	1,333
166	U. TX El Paso	1,214	1,065	552	1,700	841	733	204	1,335
167	U. Toledo	2,309	2,301	1,695	1,637	515	843	768	809
168	U. AL Birmingham, The	1,095	1,104	1,043	1,619	937	1,067	1,022	1,537
169	OH U. all campuses	2,433	3,094	1,966	1,602	1,417	1,302	607	578
170	U. MO-St. Louis	1,360	1,703	1,836	1,592	844	801	1,130	873
171	San Jose State U.	1,798	1,170	1,286	1,566	1,456	881	973	1,281
172	U. Memphis, The	1,434	1,280	1,162	1,546	453	394	242	865
173	Baylor U.	1,441	1,486	1,100	1,543	223	431	255	381
174	Georgetown U.	1,210	1,206	1,751	1,535	1,116	1,182	1,659	1,332
175	U. MO-Kansas City	1,028	1,115	1,256	1,506	612	853	643	840
176	U.S. Naval Academy	626	1,208	962	1,493	511	1,130	927	1,425
177	UT State U.	2,841	2,329	2,050	1,490	2,364	1,548	1,609	1,107
178	FL Atlantic U.	3,405	3,812	3,631	1,431	955	841	1,056	1,048
179	U. Denver	2,132	1,801	2,268	1,427	1,771	1,447	1,853	1,121
180	Marquette U.	851	929	1,101	1,376	437	543	712	913
181	Southern IL U. Edwardsville	971	2,774	1,355	1,376	92	298	173	206
182	Wesleyan U.	1,444	1,655	1,442	1,374	1,108	971	799	902
183	Tulane U.	1,884	1,222	1,105	1,347	1,304	689	805	1,039
184	Xavier U. LA	1,511	1,294 i	1,277	1,311	1,496	1,289 i	1,271	1,310
185	U. MA Lowell	880	606	697	1,280	416	282	282	515
186	Wake Forest U.	1,062	1,373	1,820	1,268	828	1,128	1,385	1,152
187	U. ME	4,023	5,004	1,031	1,228	2,847	3,364	496	339
188	U. MA Dartmouth	1,558	1,322	1,039	1,211	1,232	622	380	634
189	U. ND all campuses	759	817	1,419	1,131	581	515	930	585
190	CO School of Mines	1,020	961	1,204	1,130	506	510	963	947
191	IL Insitlute of Technology	649	556	1,684	1,043	315	328	1,241	870
192	U. Tulsa	1,223	1,003	581	1,022	922	672	393	557
193	Drexel U.	1,278	1,228	968	995	971	894	714	858
194	Western WA U.	731	661	1,765	995	304	285	911	444
195	Appalachian State U.	5	160	59	927	0	137	0	562
196	Wright State U. all campuses	419	370	352	902	277	241	244	292
197	Villanova U.	200 i	227 i	254 i	893	118 i	135 i	152 i	872

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
198	Catholic U. America, The	1,790	1,473	1,064	887	1,365	996	618	542
199	CA State U. Northridge	703	569	638	886	678	554	437	776
200	Northern IL U.	750	1,031	820	877	357	521	437	535
201	Mt. Holyoke C.	446	644	693	872	348	575	647	753
202	Oakland U.	796	991	1,190	843	786	936	821	671
203	MI Technological U.	268	641	890	837	3	91	137	210
204	Hamilton C. (Clinton, NY)	426	743	715	825	265	340	438	295
205	LA Tech U.	814	407	430	812	14	3	2	180
206	CA State U. Long Beach	462	698	637	806	313	461	370	702
207	C. of William and Mary all campuses	885	962	1,039	805	271	446	530	325
208	U. Richmond	322	790	562	802	135	592	309	420
209	CUNY Queens C.	717	530	563	797	567	377	437	544
210	St. Louis U. all campuses	72 e	221	593	772	44 e	202	428	435
211	Seton Hall U.	290	317	265	768	288	0	0	14
212	U. NC Greensboro	215	901	563	740	164	645	511	628
213	U. Miami	1,091	819	1,088	735	1,031	746	957	722
214	Hope C.	1,057	301	897	731	658	133	573	390
215	TN Technological U.	75	72	26	731	35	31	11	669
216	Amherst C.	838	681	728	727	273	258	236	171
217	U.S. Air Force Academy	733	715	596	714	585	567	596	714
218	TX Christian U.	759	750	735	704	311	319	402	297
219	IL State U.	763	687	624	698	455	323	419	482
220	Franklin & Marshall C.	530	1,179	737	688	471	921	582	474
221	ID State U.	190	224	72	670	160	175	48	498
222	Marshall U.	224	329	613	668	195	64	175	240
223	CUNY Brooklyn C.	113	197	1,401	654	104	185	1,401	617
224	NM Highlands U.	893	793	1,354	649	835	581	1,038	510
225	U. MS all campuses	577	635	744	647	534	563	698	549
226	U. WI Eau Claire	430	542	679	644	288	336	534	418
227	U. RI	567	513	453	640	560	471	448	517
228	Northern AZ U.	1,071	749	1,302	624	537	345	366	143
229	SC State U.	572	612	612	612	572	612	612	612
230	Furman U.	846	804	664	600	551	425	399	427
231	U. NC Wilmington	417	890	550	600	398	703	516	475
232	Stevens Institute of Technology	608	484	457	595	580	435	393	566
233	U. Northern IA	118	97	55	592	70	33	1	384
234	Eastern MI U.	79	425	389	578	21	204	276	263
235	Portland State U.	548 e	1,080	675	570	341 e	890	393	517
236	Trinity U.	520	505	556	570	174	166	215	177
237	Central MI U.	2,586	2,721	985	560	2,246	2,330	477	245
238	Worcester Polytechnic Institute	283	185	361	555	228	154	339	330
239	George Mason U.	348	311	0	553	341	292	0	311
240	U. VT	1,123	996	921	548	894	847	530	468
241	U. South AL	247	185	188	547	57	92	84	323
242	East Carolina U.	101	479	685	545	48	391	614	525
243	TX Southern U.	0	1,169	2,070	512	0	1,169	2,033	481
244	Bryn Mawr C.	426	358	651	508	112	36	129	81
245	CT C.	500 i	572	499	507	318 i	368	283	365
246	U. Dayton	195	368	397	501	123	89	49	107
247	U. Northern CO	0	0	786	499	0	0	513	401

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
248	Morehouse C.	236 i	444	441	481	236 i	284	252	475
249	FL Institute of Technology	663	883	645	480	600	782	555	395
250	DE State U.	0 i	0	208	479	0 i	0	0	0
251	U. DC	516	465	462	477	516	465	462	464
252	U. CA, Merced	na	393	533	473	na	388	387	335
253	Cleveland State U.	827	481	656	466	36	36	200	50
254	Bridgewater State C.	38	8	344	458 i	5	1	274	367 i
255	MT Tech of the U. MT	242	379	394	448	226	374	388	448
256	SUNY C. Old Westbury	288	746	695	448	272	737	646	423
257	U. Central AR	240 i	264 i	445 i	439 i	166 i	167 i	185 i	151 i
258	U. NC Charlotte	1,064	632	513	430	468	340	275	196
259	U. of the Sciences Philadelphia	0	0	0	423	0	0	0	114
260	Harvey Mudd C.	175 i	174 i	426 i	392 i	45 i	43 i	155 i	182 i
261	Trinity C. (Hartford, CT)	59	54	62	390	46	41	52	334
262	U. AR Little Rock	235	417	378 i	388 i	184	372	156 i	157 i
263	Western IL U.	101	343	433	384	100	285	268	362
264	Clark U.	655 e	831	510	382	629 e	459	337	229
265	C. Wooster	115 i	230 i	379 i	380	115 i	192 i	209 i	149
266	CA State Polytechnic U. San Luis Obispo	149	257	178	367	0	80	38	80
267	Calvin C.	337	205	288	363	0	46	91	42
268	Middle TN State U.	743	292	228	358	531	169	118	233
269	Spelman C.	379	307	336	352	379	307	336	352
270	Pomona C.	350	291	296	341	1	16	45	101
271	Hampton U.	0	0	325	340	0	0	325	340
272	U. WI La Crosse	73	173	144	338	5	58	119	75
273	Loyola U. Chicago	797	356	239	336	638	251	185	286
274	James Madison U.	585	176	411	335	363	98	199	131
275	Rochester Institute of Technology	148	47	216	333	147	42	168	227
276	Morgan State U.	279	687	840	323	279	630	840	323
277	Ball State U.	252	367	408	312	205	300	326	182
278	Fairfield U.	185	155	137	309	0	0	0	0
279	TX A&M U. Commerce	75	101	194	309	44	47	92	196
280	Williams C.	242 i	266 i	312 i	307 i	93 i	129 i	158 i	125 i
281	Haverford C.	367 i	256 i	243 i	301 i	108 i	86 i	51 i	62 i
282	Northern KY U.	122	199	365	297	35	44	260	120
283	MA C. of Pharmacy and Health Sciences	0	0 i	0 i	295	0	0 i	0 i	52
284	Pacific Lutheran U.	362 i	399 i	436 i	293	199 i	215 i	231 i	214
285	CA State U. East Bay	173 i	1,205	772	292	145 i	1,050	758	282
286	IL Wesleyan U.	ne	120	36	292	ne	77	21	252
287	Macalester C.	350	210	247	291	102	32	99	73
288	Southeastern OK State U.	139	315	365	287	88	315	365	271
289	C. of the Holy Cross	338	123	360	286	265	47	232	151
290	U. MA Boston	312	398	634	280	24	114	148	168
291	Smith C.	108	97	203	277	85	53	133	183
292	NC Agricultural and Technical State U.	269	91	140	276	267	87	132	259
293	Wellesley C.	414	226	332	271	256	87	253	229
294	Southern U. and A&M C. all campuses	98	99 i	130	269	91	89 i	60	149
295	CA State U. San Bernardino	69	65	0	265	0	4	0	227

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
296	Eastern OR U.	64	123	603	258	64	123	593	163
297	SUNY C. Brockport	44	32	192	253	20	0	156	225
298	Bates C.	323	372	343	250	202	206	280	218
299	Lafayette C.	98	225	205	249	29	205	123	223
300	U. West GA	249	249	249	249	210	249	249	249
301	Oberlin C.	51	465	175	247	36	399	12	188
302	U. NC Pembroke	ne	ne	230	247	ne	ne	160	247
303	Colgate U.	422	117	166	243	57	0	12	40
304	FL Gulf Coast U.	0	64	91	243	0	0	0	0
305	St. John's U. (Jamaica, NY)	34 i	462	417	242	0 i	346	287	28
306	Reed C.	238	240	269	241	136	108	41	62
307	Carleton C.	284	355	180	237	197	168	137	143
308	CA State U. Bakersfield	449 i	196	250	236	161 i	126	163	0
309	Southwestern OK State U.	ne	ne	ne	230	ne	ne	ne	230
310	U. San Francisco	146	76	99	229	146	68	98	192
311	U. Detroit Mercy	205 e	190 i	222	228 i	110 e	137 i	122	123 i
312	Occidental C.	586 i	170	173	227	251 i	76	111	128
313	C. Charleston	306	338	279	222	161	183	67	36
314	Roger Williams U. Bristol	0	112	116	221	0	112	116	221
315	Southeastern LA U.	31	150	385	221	14	60	62	106
316	SUNY C. Oswego	115	47	140	217	59	31	111	147
317	West Chester U. PA	0	9	51	217	0	0	0	217
318	Washington and Lee U.	221 i	240	221	216	160 i	175	171	153
319	TX A&M U. Corpus Christi	1,227	186	1,223	210	965	161	1,166	177
320	Lamar U.	161	136	89	208	10	25	24	20
321	Eastern KY U.	33	49	327	207	33	42	321	194
322	Allegheny C.	190	206	175	206	133	100	76	141
323	Wabash C.	357	320	116	205	156	145	77	132
324	Prairie View A&M U.	214	359	181	201	193	342	154	153
325	Ursinus C.	ne	ne	202	199	ne	ne	16	7
326	AL A&M U.	34	603	612	198	34	603	612	198
327	U. LA Lafayette	173	149	147	195	0	0	0	0
328	U. HI Hilo	0	149	196	192	0	149	196	192
329	Sam Houston State U.	52 i	47	129	189	0 i	15	0	109
330	SUNY C. Plattsburgh	0	0	0	189	0	0	0	160
331	Middlebury C.	278 i	288 i	298 i	184	214 i	233 i	252 i	162
332	Central WA U.	176	81	281	181	124	18	101	117
333	Bucknell U.	118	223	611	178	5	51	444	112
334	Rhodes C.	1 i	1	66	178	1 i	1	66	176
335	U. Portland	41	11	183	177	0	0	159	148
336	Barnard C.	156 e	262	216	174	103 e	190	192	156
337	Sarah Lawrence C.	ne	ne	244	172	ne	ne	244	172
338	TX Woman's U.	95	70	85	169	0	0	0	53
339	Northeastern IL U.	4	0	0	160	0	0	0	108
340	U. AR Pine Bluff	284	168	441	159	230	140	356	155
341	Bowdoin C.	207	228	169	158	15	114	115	54
342	Dickinson C.	235	275	114	158	43	60	29	0
343	Youngstown State U.	685	371	324	157	502	338	246	144
344	SUNY Fredonia	48	69	116	152	10	20	33	8
345	CA State U. Dominguez Hills	199	219	138	149	151	219	138	140
346	GA Southern U.	24	1	66	148	6	0	66	142

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
347	Loyola U. New Orleans	45 i	43	16	147	0 i	0	0	81
348	IN State U. all campuses	66	17	312	146	19	0	296	105
349	Bradley U.	92	271	223	145	0	0	0	0
350	Skidmore C.	19	9	20	145	0	0	0	0
351	Swarthmore C.	312	268	201	144	223	155	81	20
352	U. San Diego	225	867	156	143	18	673	14	51
353	Miles C.	ne	ne	ne	140	ne	ne	ne	140
354	Tuskegee U.	103	98	112	138	103	98	95	117
355	Juniata C.	119	163	47	135	64	60	3	72
356	Coe C.	ne	ne	ne	129	ne	ne	ne	79
357	Creighton U.	3	152	238	122	3	144	208	106
358	Colby C.	175	313	215	119	110	249	141	72
359	Central State U.	0 i	79	116	116	0 i	79	116	116
360	Union C. (Schenectady, NY)	118	103	161	115	0	0	87	63
361	U. WI Stevens Point	56	46	19	115	49	38	6	54
362	Muhlenberg C.	ne	20	0	114	ne	4	0	0
363	Rose-Hulman Institute of Technology	22	63	221	114	2	52	163	47
364	CA State U. Chico	9 i	104 i	110 i	113 i	9 i	0 i	0 i	0 i
365	Eastern IL U.	0 i	0 i	0 i	113	0 i	0 i	0 i	76
366	Oglala Lakota C.	ne	ne	ne	112	ne	ne	ne	112
367	U. TX-Pan American	139	100	102	108	0	0	0	10
368	U. AK Anchorage all campuses	0 i	0	9	107	0 i	0	9	66
369	U. Houston-Clear Lake	81	113	127	107	0	0	0	0
370	Boise State U.	671	283	187	106	290	205	146	106
371	Loyola Marymount U.	19	4	52	106	0	0	0	0
372	Truman State U.	38	24	46	105	21	21	13	17
373	Grand Valley State U.	48	10	1	103	0	0	0	28
374	C. NJ, The	65 i	51 i	46	100	0 i	0 i	0	0
375	Lewis and Clark C.	87	57	117	100	39	20	29	33
376	DePaul U.	0	111	29	99	0	0	21	96
377	Eastern WA U.	0	55	45	98	0	0	0	0
378	Chapman U.	0	13	9	96	0	13	5	69
379	Denison U.	147	141 i	108	96	34	32 i	10	0
380	Augustana C. (Sioux Falls, SD)	31	0	94	91	16	0	94	91
381	TX A&M U. Kingsville	52	70	267	90	0	11	173	54
382	Willamette U.	73	74	157	86	21	49	57	0
383	Ithaca C.	73	48	292	81	0	0	257	0
384	Lawrence U.	21 i	23 i	165	81	21 i	23 i	165	81
385	Point Loma Nazarene C.	162 i	230	193	80	145 i	230	193	80
386	VA Military Institute	33	133	75	80	0	35	5	18
387	Southwest MO State U.	263	132	106	78	158	46	28	29
388	U. Scranton	136	250	173	76	58	40	45	10
389	U. NC Asheville	144	165	75	71	129	165	74	71
390	Mercer U. all campuses	512	521	119	70	15	190	11	33
391	Monmouth U.	57 i	57	44	66	57 i	57	44	66
392	Rowan U.	1,281	311	90	66	1,271	299	81	50
393	Hampshire C.	240	74	128	65	176	57	85	15
394	Pittsburg State U.	0	26	32	63	0	26	32	63
395	MN State U. Mankato	2 i	7	7	61	0 i	0	0	52
396	U.S. Military Academy	0 i	0 i	0 i	59	0 i	0 i	0 i	53

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
397	Augsburg C.	0	0	0	58	0	0	0	0
398	Claremont McKenna C.	ne	ne	ne	58 i	ne	ne	ne	58 i
399	Kalamazoo C.	187	97	70	58	131	44	45	21
400	Rider U.	41	42	24	58	0	0	0	0
401	St. Cloud State U.	104	160	124	57	88	69	52	15
402	SUNY C. Cortland	32	26	56	57	23	16	7	57
403	Towson U.	10	24	45	57	0	11	29	19
404	Abilene Christian U.	93	44	5	54	0	0	0	0
405	Mills C.	ne	ne	51 i	53 i	ne	ne	51 i	53 i
406	Stephen F. Austin State U.	45	31	107	53	0	0	0	0
407	Long Island U. all campuses	0 i	0 i	50	52 i	0 i	0 i	18	18 i
408	CA State U. Fullerton	30	25	16	51	0	0	0	36
409	Drake U.	146	38	86	51	32	0	2	0
410	FL A&M U.	433	709	338	50	433	708	338	48
411	U. AK Southeast all campuses	74 i	6	113	50	60 i	0	0	0
412	U. WI Parkside	56	48	20	49	48	34	3	21
413	Murray State U.	125	99	50	48	10	0	9	9
414	Santa Clara U.	ne	43 i	45 i	48 i	ne	43 i	44 i	44 i
415	Winona State U.	ne	ne	ne	48	ne	ne	ne	0
416	Coastal Carolina U.	0	3	119	47	0	0	67	32
417	Tarleton State U.	148	61	52	47	106	0	1	0
418	CO State U. Pueblo	281	164	188	46	273	163	187	0
419	Gallaudet U.	0	0	0	46	0	0	0	46
420	Mercyhurst C.	ne	ne	42	46	ne	ne	0	0
421	U. LA Monroe	16	11	0	46	0	0	0	0
422	Hobart and William Smith Colleges	ne	ne	ne	45	ne	ne	ne	3
423	Indiana U. PA all campuses	8	4	59	45	0	1	58	40
424	Grinnell C.	390	62	59	44	225	0	0	0
425	SUNY C. Buffalo	20	18	53	44	0	0	37	41
426	Winston-Salem State U.	42 i	45 i	39 i	43 i	42 i	45 i	39 i	43 i
427	Davidson C.	29 i	24 i	22	40	9 i	9 i	8	0
428	Pacific U.	0 i	0	60	40	0 i	0	0	0
429	Siena C.	ne	ne	41 i	40 i	ne	ne	41 i	39 i
430	U.S. Coast Guard Academy	5	0	0	40	5	0	0	36
431	Andrews U.	139	64	74	39	116	43	61	30
432	WV State U.	0	70	0	39	0	66	0	23
433	CUNY John Jay C. of Criminal Justice	0	0	1	38	0	0	0	0
434	Kettering U.	43	0	0	36	0	0	0	15
435	LeTourneau U.	ne	ne	ne	36	ne	ne	ne	0
436	Roanoke C.	47	51	341	36	34	3	0	0
437	U. IL Springfield	16	110	45	35	2	97	22	5
438	Benedict C.	0	0	42	34	0	0	42	34
439	Ft. Lewis C.	45	277	347	34	16	0	329	2
440	Gustavus Adolphus C.	146	94	75	34	79	66	46	26
441	Lake Forest C.	100	39	16	32	0	0	0	0
442	Providence C.	45	9	12	32	36	0	5	25
443	U. TX of the Permian Basin	ne	ne	ne	32	ne	ne	ne	0
444	Canisius C.	167 i	184 i	46	30	51 i	54 i	46	30
445	SUNY C. Geneseo	57	152	140	29	34	115	94	0
446	U. West FL	7	53	23	29	4	29	17	0

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
447	U. of the South	ne	30	6	29	ne	0	0	0
448	Valparaiso U.	0	3	17	29	0	3	14	6
449	McNeese State U.	68	34	29	28	0	0	0	0
450	Sinte Gleska U.	ne	51	50	28	ne	51	50	28
451	St. Joseph's U.	73	73	68	28	0	0	0	0
452	CUNY York C.	174	40	8	26	133	22	0	0
453	Millersville U. PA	20 i	21 i	22 i	26	0 i	0 i	0 i	0
454	Universidad Metropolitana	ne	290 i	39	26	ne	290 i	39	26
455	Saginaw Valley State U.	27	34	27	25	3	5	9	11
456	Bard C.	ne	19 i	ne	24 i	ne	19 i	ne	24 i
457	Grambling State U.	0	0	143	24	0	0	143	24
458	U. Southern ME	12 i	15 i	23	23	0 i	0 i	0	18
459	Seattle U.	118	24	22 i	22 i	0	0	0 i	0 i
460	Sweet Briar C.	ne	ne	ne	22	ne	ne	ne	0
461	U. of St. Thomas (St. Paul, MN)	83	18	30	22	50	0	7	0
462	TN State U.	0	0	0	21	0	0	0	10
463	U. WI River Falls	12	41	33	21	0	0	0	0
464	Central CT State U.	9	324	11	20	0	307	5	10
465	U. PR Cayey	ne	ne	ne	20	ne	ne	ne	20
466	Wilkes U.	45	ne	0	19	0	ne	0	0
467	Fordham U.	23	8	5	18	0	0	0	0
468	U. WI Platteville	26 i	30	46	18	20 i	27	29	0
469	U. Hartford	57	5	25	17	46	0	5	0
470	Arcadia U.	ne	8 i	8 i	16	ne	8 i	8 i	6
471	East TN State U.	4	20	12	16	0	0	0	0
472	Edward Waters C.	ne	ne	ne	15 i	ne	ne	ne	0 i
473	Montclair State U.	37 i	31 i	13 i	15 i	0 i	0 i	0 i	0 i
474	OH Wesleyan U.	77 i	22	19	15	65 i	0	0	0
475	Seattle Pacific U.	ne	ne	ne	15 i	ne	ne	ne	1 i
476	Berry C.	ne	ne	15	14 i	ne	ne	14	13 i
477	MT State U. Billings	ne	56 i	0	14	ne	56 i	0	14
478	Sonoma State U.	42	28	12	14	42	9	0	0
479	U. New Haven	0 i	0	ne	14	0 i	0	ne	0
480	U. WI Oshkosh	100	109	30	14	99	80	26	0
481	Goucher C.	ne	ne	ne	12	ne	ne	ne	12
482	Millsaps C.	ne	19 i	0	12	ne	0 i	0	12
483	William Paterson U. NJ	ne	ne	ne	12 i	ne	ne	ne	9 i
484	Kennesaw State U.	311	71	29	11	292	37	0	0
485	Lincoln U. (Lincoln University, PA)	122	122	448	11	122	122	448	11
486	U. Puget Sound	4	0	9	10	0	0	0	0
487	DePauw U.	9 i	9 i	9 i	9 i	9 i	9 i	9 i	9 i
488	Manhattan C.	0 i	8	9	9 i	0 i	8	9	9 i
489	Wilberforce U.	0 i	0 i	0 i	9	0 i	0 i	0 i	0
490	Northeastern State U.	23 i	8	8	8	19 i	0	0	0
491	Western Carolina U.	0	0	120	8	0	0	120	8
492	Western CT State U.	ne	ne	ne	6	ne	ne	ne	0
493	Gettysburg C.	ne	27	16	5	ne	0	0	0
494	John Carroll U.	0	11	11	5	0	0	0	0
495	CUNY Herbert H. Lehman C.	4	6	3	4	4	6	3	0

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
496	Fairleigh Dickinson U. all campuses	ne	ne	ne	4 i	ne	ne	ne	0 i
497	Pace U. all campuses	0	4	0	4	0	4	0	0
498	St. Mary's C. MD	0	0	0	4	0	0	0	4
499	St. Olaf C.	7	37	31	4	0	0	0	0
500	U. Redlands	44	45	2	4	20	37	0	0
501	Whitman C.	0	0	0	4	0	0	0	0
502	CA State U. Fresno	8	9	10	3 i	0	0	0	0 i
503	Hofstra U.	5 i	5 i	8	3	5 i	5 i	0	0
504	Nicholls State U.	0	1	0	3	0	1	0	0
505	Southern Polytechnic State U.	ne	ne	ne	3	ne	ne	ne	0
506	Angelo State U.	ne	ne	39 i	2	ne	ne	6 i	0
507	U. WI Superior	28	21	7	2	0	0	0	0
508	Alfred U. all campuses	2	0	1	1	2	0	1	1
509	U. Houston-Downtown	0	47	279	1	0	47	244	0
	All other surveyed institutions	8,957	7,636	2,347	0	5,127	4,980	1,614	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$9,237 in total and \$9,021 in federally financed R&D expenditures in chemistry in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	1,522,118	1,596,700	1,610,253	1,613,462	1,169,353	1,226,969	1,214,806	1,218,828
1	CA Institute of Technology	110,465	107,746	107,217	118,124	109,989	106,956	106,336	112,745
2	Johns Hopkins U., The ^a	55,548	50,519	52,986	62,034	54,547	49,632	51,399	60,904
3	U. CA, Berkeley	61,480	83,049	66,078	53,592	51,321	73,661	51,791	38,342
4	MA Institute of Technology	58,656	59,860	53,380	52,922	58,574	59,622	52,232	51,212
5	U. TX Austin	38,484	41,668	44,276	50,360	34,118	36,085	38,769	42,204
6	FL State U.	36,949	38,443	42,902	49,937	22,881	22,704	24,117	28,714
7	MI State U.	39,043	40,974	42,392	45,850	25,280	26,721	28,069	30,803
8	Cornell U. all campuses	39,675	39,918	44,282	43,964	32,005	33,072	36,377	35,785
9	U. CA, Los Angeles	37,827	34,184	40,109	41,031	27,640	25,385	32,185	32,300
10	U. MD College Park	35,540	39,793	39,231	38,744	25,177	26,222	24,903	25,169
11	PA State U. all campuses	27,247	30,137	32,684	29,161	19,854	20,589	23,273	19,031
12	U. CA, San Diego	19,265	20,851	25,283	26,644	13,150	14,388	16,856	18,781
13	U. Central FL	25,579	23,032	24,433	26,297	13,405	9,428	8,656	10,429
14	U. WI Madison	21,969	24,487	24,880	25,660	17,597	20,444	20,366	19,386
15	U. IL Urbana-Champaign	24,998	26,100	27,894	25,562	18,255	20,067	19,948	16,980
16	U. CO all campuses	21,147	19,971	20,899	20,219	19,183	18,322	19,335	17,865
17	IN U. all campuses	34,893	24,197	24,777	20,114	8,368	8,834	8,190	9,392
18	Princeton U.	14,443	17,659	15,240	18,193	10,752	13,801	12,015	12,623
19	SUNY Stony Brook all campuses	17,181	19,551	33,912	16,695	11,059	12,889	12,732	9,873
20	Rutgers, The State U. NJ all campuses	16,484	16,676	15,791	16,606	7,337	6,783	6,627	7,239
21	U. MS all campuses	16,978	18,085	18,140	16,223	14,824	15,798	14,528	13,105
22	U. CA, Irvine	11,049	12,913	15,651	15,918	6,979	7,513	9,169	8,693
23	Harvard U.	14,567	14,308	15,369	15,888	14,087	13,921	14,841	15,413
24	U. PA	14,925	17,629	16,777	15,281	12,260	13,550	12,818	11,748
25	U. MI all campuses	16,865	16,748	15,432	14,961	13,181	13,885	12,579	12,702
26	U. CA, Santa Barbara	12,500	13,681	13,341	14,612	8,342	8,880	8,491	9,611
27	U. FL	18,142	14,653	16,763	13,329	13,240	10,814	12,486	10,663
28	TX A&M U.	14,793	13,173	13,301	13,233	10,472	9,754	7,363	7,602
29	GA Institute of Technology all campuses	10,655	10,830	12,634	13,193	6,509	6,644	7,986	8,201
30	OH State U. all campuses	12,973	12,544	12,267	13,191	9,732	8,967	8,757	9,279
31	U. WA	12,725	12,703	11,972	12,997	12,034	11,541	11,108	11,712
32	Yale U.	10,806	10,656	11,473	11,672	9,673	8,686	8,938	9,581
33	U. IA	10,105	10,556	10,899	11,603	8,418	8,633	8,754	9,828
34	Duke U.	12,444	12,365	11,378	11,407	11,112	10,373	10,016	10,248
35	U. Chicago	11,308	13,287	10,304	11,080	9,657	11,082	9,012	9,595
36	NC State U.	12,624	18,295	10,938	10,946	5,712	6,509	7,936	8,404
37	U. MN all campuses	11,882	10,620	11,292	10,918	9,697	8,698	9,143	8,863
38	Rice U.	6,873	9,148	8,997	10,670	6,093	8,221	7,731	9,215
39	U. TN all campuses	8,953	11,435	10,520	10,380	6,210	7,472	7,614	7,476
40	U. of Notre Dame	7,946	7,937	9,295	9,907	7,166	7,522	8,006	8,492
41	Stanford U.	11,263	15,827	9,863	9,797	10,461	14,935	9,254	9,285
42	Vanderbilt U.	8,236	9,561	14,078	9,635	7,323	8,455	8,168	8,142
43	WA State U.	7,786	8,454	8,807	9,592	6,669	7,435	7,765	8,142
44	U. NE all campuses	8,134	9,353	10,152	9,190	4,883	4,487	4,865	5,009
45	Purdue U. all campuses	6,596	7,230	8,269	9,109	5,317	5,675	6,051	6,462
46	U. CA, Santa Cruz	8,454	8,326	7,791	8,950	4,986	4,735	4,384	4,471
47	LA State U. all campuses	6,811	7,982	8,314	8,758	4,233	4,831	5,394	5,202
48	NJ Institute of Technology	6,953	7,991	8,125	8,566	4,786	5,434	5,522	5,615

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
49	U. NV, Reno	6,528	8,682	11,036	8,470	6,158	8,228	10,578	8,012
50	MT State U. Bozeman	8,872	8,423	9,007	8,247	8,317	8,018	8,199	7,900
51	U. NM main campus	4,505	6,576	8,101	8,160	4,032	5,107	6,471	6,532
52	Brown U.	7,090 i	6,700	7,520	8,064	4,254 i	3,754	4,134	4,396
53	U. OR	3,876	4,199	6,627	7,963	3,558	3,703	4,985	6,903
54	U. AZ	4,583	5,838	6,776	7,790	3,412	4,718	5,435	4,878
55	Northeastern U.	10,710	10,156	6,961	7,573	8,998	8,496	4,689	5,164
56	U. MA Lowell	5,556	6,762	7,070	7,385	4,791	5,987	6,251	6,574
57	Rensselaer Polytechnic Institute	2,378	3,657	4,922	7,190	1,662	2,346	2,902	5,238
58	U. Rochester	6,481	6,593	7,573	7,175	5,906	6,032	6,766	6,155
59	U. AR main campus	4,199	5,783	4,873	6,916	3,258	4,226	3,122	5,002
60	Washington U. St. Louis	6,432	6,821	7,557	6,755	4,788	5,358	6,202	5,351
61	CUNY The City C.	5,729	6,944	6,912	6,604	3,621	4,969	4,900	4,999
62	Boston U.	6,472	6,113	7,011	6,459	6,416	6,016	6,859	6,411
63	Northwestern U.	6,883	7,027	6,439	6,392	5,156	5,522	5,034	5,125
64	KS State U.	8,189	7,814	5,739	6,282	7,136	6,549	4,682	4,826
65	Catholic U. America, The	4,862	5,620	5,293	6,255	3,942	4,499	4,186	4,950
66	U. GA	4,384	4,933	6,002	6,183	1,544	1,684	2,013	2,531
67	U. VA all campuses	6,122	5,729	5,671	6,128	5,407	5,097	5,038	5,525
68	ID State U.	4,398	6,180	5,595	6,054	2,662	4,516	4,142	3,762
69	Fisk U.	5,000	6,000	6,000	6,000	5,000	6,000	6,000	6,000
70	U. CA, Davis	5,043	5,629	6,515	5,939	3,260	3,980	4,952	4,710
71	Carnegie Mellon U.	6,426	5,622	5,680	5,669	5,850	5,121	5,077	4,665
72	U. UT	5,386	5,779	5,499	5,651	4,188	4,402	4,408	4,274
73	NY U.	2,352	6,782	7,253	5,575	2,128	4,967	5,418	4,524
74	Naval Postgraduate School	3,024 i	4,343	5,047	5,478	2,673 i	3,752	4,781	5,470
75	U. IL Chicago	6,831	5,571	6,038	5,472	5,420	3,929	3,584	3,861
76	Air Force Institute of Technology	3,288	4,099	4,763	5,421	1,886	1,900	1,761	2,144
77	CO School of Mines	5,308	4,325	4,630	5,384	5,171	4,128	2,899	2,946
78	U. Toledo	3,754	4,443	3,727	5,364	2,193	2,230	2,377	2,342
79	U. HI Manoa	5,225	5,609	5,875	5,305	4,961	5,291	5,676	4,962
80	U. NC Chapel Hill	5,338	4,877	4,752	5,305	3,156	3,396	3,589	4,164
81	U. AL Huntsville, The	4,851	4,013	6,032	5,288	4,049	3,387	4,378	3,963
82	Clemson U.	4,831	5,673	4,984	5,183	2,804	2,914	2,601	2,323
83	IA State U.	4,052	4,349	4,856	5,093	2,497	2,818	3,284	3,452
84	U. OK all campuses	5,312	5,591	4,823	5,081	3,068	2,796	2,930	2,903
85	VA Polytechnic Institute and State U.	3,060	3,331	3,267	4,820	1,308	1,326	1,576	1,618
86	Dartmouth C.	3,267	4,818	4,426	4,797	1,805	2,669	2,294	2,837
87	U. WI Milwaukee	2,801	3,418	3,339	4,737	1,692	2,109	2,095	3,269
88	U. NV, Las Vegas	2,694 i	2,754	3,619	4,634	2,537 i	2,688	3,319	4,500
89	U. SC all campuses	3,975	4,242	4,558	4,507	2,276	2,640	3,225	3,227
90	U. Pittsburgh all campuses	5,839	5,914	4,811	4,386	5,085	4,844	3,849	3,374
91	AZ State U.	4,578	4,269	5,656	4,382	3,545	3,431	4,401	3,493
92	Syracuse U. all campuses	3,204	3,314	3,371	4,113	3,193	3,205	2,617	3,309
93	U. TX Arlington	3,248	2,698	4,121	4,100	2,317	2,089	3,315	3,265
94	Northern IL U.	5,111	2,019	4,443	4,072	2,821	1,180	2,636	2,960
95	Case Western Reserve U.	4,161	4,017	5,040	4,040	3,639	3,658	3,530	3,000
96	C. of William and Mary all campuses	4,612	5,115	4,668	3,942	4,225	4,722	4,115	3,423
97	Wayne State U.	8,777	4,243	2,780	3,938	4,307	3,311	2,499	2,556

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
98	U. MA Amherst	5,108	4,948	4,306	3,920	2,426	2,815	2,638	2,326
99	Lehigh U.	4,261	3,492	3,106	3,662	1,360	2,234	2,011	2,232
100	OH U. all campuses	4,477	4,700	4,036	3,616	3,135	2,834	2,593	2,403
101	Rockefeller U.	2,530	2,624	3,856	3,562	1,199	1,296	1,397	1,027
102	Old Dominion U.	1,487	3,109	3,472	3,518	1,376	1,728	1,945	1,595
103	OK State U. all campuses	3,566	3,012	3,872	3,497	2,252	1,764	2,076	1,701
104	U. Cincinnati all campuses	2,886	2,391	2,953	3,376	1,711	1,485	1,618	1,899
105	U. CA, Riverside	2,964	3,314	4,260	3,336	2,366	2,847	4,164	3,041
106	Brandeis U.	2,973	3,338	3,432	3,280	2,583	2,988	3,042	2,921
107	Columbia U. in the City of NY	5,647	16,573	3,485	3,253	2,458	7,817	3,439	3,218
108	U. MO-Columbia	1,541	1,642	2,137	3,188	998	1,139	1,642	2,623
109	U. KS all campuses	3,513	4,605	4,665	3,075	2,549	3,964	4,050	2,894
110	U. Houston	2,976	3,213	3,490	2,953	1,888	1,670	1,827	1,583
111	SUNY Buffalo all campuses	4,815	2,592	2,670	2,919	3,177	1,653	1,361	1,442
112	U. ME	2,528	4,330	3,495	2,903	1,283	2,272	1,439	1,457
113	U. CT all campuses	3,527	2,747	2,909	2,902	2,561	2,043	2,141	2,262
114	U. South FL	1,684	2,143	2,049	2,861	916	964	1,162	1,053
115	CO State U.	2,601	2,848	2,966	2,840	2,392	1,589	2,614	2,268
116	Kent State U. all campuses	1,497	1,994	2,420	2,814	1,390	1,386	1,742	1,601
117	U. AL Birmingham, The	2,005	1,840	2,621	2,780	1,247	1,638	2,257	2,305
118	U. KY all campuses	4,082	3,865	3,763	2,729	2,163	2,444	2,376	1,867
119	Temple U.	1,194	2,055	2,630	2,676	961	1,601	2,106	2,501
120	IL Institute of Technology	8,499	7,499	2,070	2,518	4,243	4,425	2,000	2,366
121	U. CA Office of the President	2,341	2,318	2,317	2,497	0	0	0	0
122	MS State U.	4,336	3,423	3,871	2,478	2,102	2,194	2,503	1,216
123	MI Technological U.	1,891	2,082	2,526	2,475	1,451	1,300	1,291	1,285
124	WV U.	3,152	2,583	2,946	2,420	2,222	1,967	1,950	1,780
125	Boston C.	1,895 e	2,431	2,245	2,414	1,629 e	1,294	1,531	916
126	AL A&M U.	2,064	2,219	1,757	2,402	1,773	1,441	1,060	1,353
127	GA State U.	2,332	1,955	1,898	2,377	1,669	1,306	1,397	1,816
128	Auburn U. all campuses	2,832	2,601	2,070	2,245	2,110	2,270	1,930	2,148
129	U. Southern CA	2,397	2,279	1,760	2,229	1,460	1,592	1,318	1,200
130	U. DE	3,095	3,609	3,697	2,207	2,486	2,543	2,812	1,559
131	U. WY	1,435 e	1,979	2,596	2,196	686 e	1,005	1,258	1,165
132	Drexel U.	1,680	1,985	2,182	2,091	1,356	1,586	1,958	1,840
133	U.S. Air Force Academy	2,193	2,783	2,345	2,046	1,451	2,041	2,345	2,000
134	U. Louisville	321	690	1,422	2,016	239	578	1,025	1,555
135	U. MD Baltimore County	3,347	2,931	2,906	2,008	3,051	2,686	2,167	1,934
136	Hampton U.	2,447	815	4,808	1,980	2,250	815	4,808	1,980
137	George Washington U.	1,688	1,697	1,786	1,958	1,445	1,354	1,245	1,537
138	Miami U. all campuses	1,130 i	1,546 i	1,575 i	1,860 i	754 i	1,179 i	1,158 i	1,318 i
139	NM State U. main campus	2,172	2,433	2,066	1,769	1,752	1,892	1,557	1,543
140	Rochester Institute of Technology	560	869	1,809	1,716	503	760	1,712	1,540
141	Jackson State U.	1,812	2,454	2,093	1,699	1,650	2,084	1,683	1,427
142	San Diego State U.	2,046	1,415	1,836	1,692	1,205	874	909	814
143	Tufts U.	1,352	1,456	1,652	1,687	1,222	1,279	1,465	1,420
144	U. Miami	1,435	1,253	1,316	1,630	1,404	1,238	1,244	1,577
145	Wake Forest U.	794	893	2,125	1,606	640	820	1,987	1,531
146	FL A&M U.	1,547	1,450	3,624	1,596	1,131	946	3,145	1,586
147	Southern Methodist U.	1,029	1,308	1,381	1,580	948	1,251	1,297	1,538
148	FL Institute of Technology	994	1,355	1,759	1,568	900	1,057	1,738	1,511

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
149	U. NH	1,591	1,670	1,628	1,542	1,170	1,547	1,523	1,407
150	Emory U.	1,040	1,762	1,337	1,498	964	1,472	1,199	1,246
151	TX Tech U.	2,474	1,535	1,757	1,493	1,444	826	961	631
152	Western MI U.	1,319	2,401	2,798	1,455	984	2,349	2,590	1,271
153	CUNY Hunter C.	1,524	1,430	1,811	1,452	1,117	1,025	1,365	985
154	NM Institute of Mining and Technology	1,372	2,002 i	1,803	1,434	796	1,774 i	1,198	1,361
155	UT State U.	1,346	1,972	1,114	1,406	934	1,921	1,043	1,217
156	NC Agricultural and Technical State U.	711	677	580	1,337	703	666	571	1,329
157	Oakland U.	502	492	1,245	1,326	431	423	1,075	1,048
158	U. Southern MS	210	560	878	1,313	204	560	321	1,306
159	Norfolk State U.	1,455	1,914	1,865	1,304	1,419	1,813	1,683	1,147
160	U. CA, Merced	na	119	481	1,301	na	0	28	0
161	U. North FL	114	515	1,196	1,281	96	473	1,159	1,228
162	Tulane U.	986	782	882	1,272	815	621	664	884
163	U. MO-St. Louis	308	405	450	1,263	210	122	167	214
164	SC State U.	1,130	1,209	1,209	1,209	0	0	0	0
165	U. PR Humacao	1,914	1,602	1,288	1,169	1,738	1,421	1,259	1,100
166	Clark Atlanta U.	1,478	1,953	1,327	1,152	1,332	1,727	1,186	1,009
167	VA Commonwealth U.	618	877	936	1,102	466	609	698	752
168	George Mason U.	434	560	690	1,086	356	488	542	882
169	Prairie View A&M U.	377	573	733	1,074	361	572	725	1,034
170	U. ID	997	1,240	1,153	1,043	683	771	600	605
171	Portland State U.	1,224 e	1,201	1,074	1,034	873 e	784	504	528
172	Wright State U. all campuses	1,358	1,346	1,319	1,017	1,279	1,124	1,154	856
173	CA State U. Northridge	1,093	846	531	1,010	998	816	381	973
174	Georgetown U.	1,596	1,372	1,527	1,006	1,425	1,307	1,391	916
175	U. North TX	1,439	1,096	850	984	669	675	441	723
176	LA Tech U.	828	1,080	950	970	445	570	528	538
177	SUNY C. Geneseo	321	311	360	873	310	306	319	693
178	Wesleyan U.	253	299	279	865	183	197	176	572
179	Southern IL U. Carbondale	552	450	532	838	246	144	114	348
180	U. NC Charlotte	481	315	396	823	359	166	277	682
181	Clarkson U.	964	956 i	823	806	642	687 i	550	397
182	U. LA Lafayette	882	748	635	787	102	41	24	54
183	U. TX San Antonio	256	204	932	768	86	108	291	466
184	U. PR Mayaguez Campus	773	831	675	750	505	816	451	512
185	U. Denver	707	768	627	716	662	663	595	696
186	U. AL, The	952	821	610	703	612	530	552	662
187	Polytechnic U.	154	150	225	699	154	150	225	100
188	San Jose State U.	800	564	481	677	699	455	478	677
189	Brigham Young U. all campuses	1,100	1,124	1,115	671	875	737	865	565
190	Baylor U.	467	403	510	662	186	48	192	257
191	Southern U. and A&M C. all campuses	654	655 i	830	629	653	646 i	830	579
192	Stevens Institute of Technology	2,479	738	601	625	2,396	372	493	439
193	DE State U.	313 i	598	178	622	235 i	492	175	617
194	SUNY Albany	951	890	778	614	356	344	326	326
195	U. MA Dartmouth	233	201	383	611	204	174	261	150
196	U. TX of the Permian Basin	ne	ne	ne	609	ne	ne	ne	33

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
197	U. Memphis, The	437	566	202	602	50	89	63	425
198	Rose-Hulman Institute of Technology	1,243	646	1,570	591	601	387	1,438	439
199	FL International U.	4,389	5,296	340	589	3,310	3,546	317	439
200	American U.	305	377	721	569	265	293	721	569
201	Bryn Mawr C.	607	455	464	566	249	167	174	416
202	Augsburg C.	0	0	79	519	0	0	79	464
203	Worcester Polytechnic Institute	365	400	573	485	356	397	533	345
204	Morehouse C.	114 i	314	292	472	114 i	313	291	472
205	CA State U. Long Beach	275	286	264	468	264	279	247	441
206	CA State U. Los Angeles	306	513	433	462	306	492	417	456
207	Western KY U.	395	154	19	455	277	69	7	455
208	NC Central U.	384 i	450 i	612	454	384 i	450 i	612	454
209	Christopher Newport U.	1,519	1,380	278	453	1,439	1,197	278	448
210	SUNY Binghamton	658	671	759	452	211	218	192	166
211	U. MO-Kansas City	461	296	215	446	259	173	166	417
212	Boise State U.	448	576	318	438	367	496	293	350
213	James Madison U.	145	174	190	437	83	174	132	280
214	Southern CT State U.	214	814	700 i	436	214	811	700 i	436
215	East Carolina U.	408	295	345	419	408	295	345	419
216	OR State U.	303	427	516	414	270	415	516	357
217	TX Christian U.	308	223	421	412	118	68	311	337
218	U. MO-Rolla	898	970	751	402	645	598	608	372
219	Clark U.	131 e	346	348	381	129 e	258	250	280
220	U. PR Rio Piedras Campus	182	2,327	395	380	91	1,399	349	362
221	CA State U. Bakersfield	282 i	0	48	374	89 i	0	0	204
222	Winston-Salem State U.	368 i	385 i	329 i	368 i	368 i	385 i	329 i	368 i
223	Seattle U.	35	309	344 i	365 i	35	270	307 i	326 i
224	U. TX-Pan American	58	0	0	365	0	0	0	358
225	Creighton U.	155	225	335	360	155	225	323	332
226	U. Tulsa	185	386	366	346	111	320	250	295
227	East TN State U.	128	417	272	344	91	120	105	112
228	Spelman C.	266	278	307	341	266	278	307	341
229	U. Central AR	227 i	241 i	358 i	341 i	182 i	183 i	202 i	167 i
230	Towson U.	48	345	343	336	36	341	293	287
231	San Francisco State U.	2,849 i	122	274	332	2,849 i	113	270	275
232	CUNY Queens C.	534	495	238	323	441	334	215	234
233	Occidental C.	146 i	157	184	322	122 i	157	181	313
234	Central MI U.	300	274	205	320	200	139	169	198
235	Williams C.	244 i	287 i	344 i	318 i	138 i	190 i	235 i	189 i
236	Amherst C.	214	649	547	308	107	382	350	263
237	SD School of Mines and Technology	143	80	41	304	132	68	40	195
238	Colgate U.	255	239	403	303	142	161	292	236
239	U.S. Naval Academy	449	529	397	300	312	521	393	300
240	U. Richmond	140	219	336	297	114	201	322	270
241	Southeastern LA U.	73	89	81	295	73	87	62	194
242	U. Akron all campuses	386	496	342	295	135	283	171	170
243	Valparaiso U.	254	279	308	292	132	175	165	190
244	U. MT-Missoula, The	185	202	300	290	159	197	285	281
245	Calvin C.	237	150	290	289	59	80	184	107
246	Grambling State U.	609	522	187	288	262	199	186	288

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
247	Harvey Mudd C.	126 i	79 i	258 i	288 i	62 i	60 i	218 i	257 i
248	CA State U. San Bernardino	521	560	350	283	99	152	44	267
249	IL State U.	267	225	213	280	206	142	129	116
250	Pomona C.	75	101	75	265	37	38	48	169
251	U. TX El Paso	1,210	556	283	265	1,191	510	273	233
252	U. WI La Crosse	167	278	200	265	101	261	126	225
253	U. ND all campuses	322	339	254	261	211	217	159	174
254	CUNY Graduate Ctr.	0	194	0	259	0	193	0	230
255	Middlebury C.	618 i	641 i	663 i	252	472 i	515 i	556 i	239
256	U. VT	568	509	451	251	481	404	317	225
257	Appalachian State U.	23	145	269	247	8	101	178	152
258	St. Olaf C.	151	182	184	246	151	182	184	246
259	Swarthmore C.	271	352	338	244	207	199	299	176
260	U. MA Boston	302	275	336	244	250	239	235	66
261	U.S. Military Academy	0 i	0 i	0 i	241	0 i	0 i	0 i	225
262	C. Charleston	51	28	55	233	43	0	9	196
263	CA State U. Fresno	137	158	154	227 i	137	142	140	222 i
264	MT State U. Billings	ne	32 i	62	223	ne	32 i	57	216
265	Rowan U.	480	198	176	220	129	129	98	189
266	Youngstown State U.	525	331	662	218	464	284	658	195
267	Wichita State U.	1,037	539	139	216	523	286	127	127
268	U. RI	292	226	170	212	292	226	169	212
269	CUNY Herbert H. Lehman C.	114	165	188	211	95	119	162	143
270	Middle TN State U.	190	233	196	209	177	134	131	175
271	Hendrix C.	125	243	377	207	125	203	268	201
272	Northern KY U.	83	116	271	206	45	56	188	100
273	U. of the Pacific	0	710	505	206	0	475	477	206
274	Abilene Christian U.	124	164	184	194	124	164	184	194
275	CUNY Medgar Evers C.	0	10	237	189	0	5	237	189
276	ND State U. all campuses	228	270	275	188	180	228	195	138
277	Barnard C.	124 e	130	108	186	111 e	129	102	184
278	CA State U. Dominguez Hills	302	97	5	181	295	97	0	133
279	Gettysburg C.	ne	202	160	179	ne	184	154	178
280	Wellesley C.	41	65	81	179	28	56	57	173
281	Dillard U.	578	1,194 i	1,807 i	171	351	887 i	1,423 i	0
282	Drake U.	236	173	190	171	200	149	179	171
283	Fairfield U.	243	167	158	167	99	65	61	2
284	U. NC Wilmington	56	147	58	167	47	52	58	67
285	Macalester C.	190	182	226	166	127	88	154	80
286	Marquette U.	38	132	217	166	28	119	135	141
287	FL Atlantic U.	161	168	141	163	113	123	109	138
288	Carleton C.	120	189	106	161	101	180	85	95
289	Mills C.	ne	ne	149 i	158 i	ne	ne	149 i	158 i
290	Troy U. main campus	ne	ne	148	158	ne	ne	141	145
291	Coe C.	ne	ne	ne	156	ne	ne	ne	99
292	CUNY C. Staten Island	15	87	85	152	0	75	81	139
293	Union C. (Schenectady, NY)	168	161	166	152	45	68	113	116
294	Central CT State U.	29	205	207	150	29	205	202	149
295	Tuskegee U.	113	107	121	149	91	87	84	104
296	Murray State U.	112	215	122	148	18	43	65	82
297	Allegheny C.	124	52	20	145	105	47	19	62

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
298	U. Portland	51	28	27	143	11	3	7	5
299	Hobart and William Smith Colleges	ne	ne	ne	141	ne	ne	ne	141
300	TN Technological U.	184	134	179	140	170	123	171	134
301	Hofstra U.	0 i	0 i	221	139	0 i	0 i	116	105
302	U. Scranton	175	197	370	138	174	192	369	131
303	St. Louis U. all campuses	13 e	87	76	137	13 e	87	76	137
304	Bowling Green State U. all campuses	179	348	220	135	35	273	165	124
305	Bowdoin C.	227	90	149	134	206	90	144	117
306	Bucknell U.	262	239	115	134	262	237	115	134
307	U. WI River Falls	122	161	226	134	80	152	212	115
308	Haverford C.	207 i	163 i	107 i	130 i	181 i	146 i	88 i	107 i
309	Colby C.	116	146	55	128	97	119	34	102
310	Bradley U.	273	348	263	122	155	212	186	119
311	Duquesne U.	148	56	136	116	87	38	29	13
312	U. of St. Thomas (St. Paul, MN)	102	135	106	116	51	68	46	64
313	Ithaca C.	37	56	112	114	0	0	18	81
314	Western CT State U.	ne	ne	ne	113	ne	ne	ne	113
315	GA Southern U.	104	202	126	110	70	135	61	36
316	Tougaloo C.	38 i	31 i	34	110	0 i	12 i	17	0
317	Mt. Holyoke C.	300	186	112	108	240	147	73	81
318	Denison U.	104	100 i	129	107	100	96 i	96	88
319	IL Wesleyan U.	ne	18	46	107	ne	15	16	107
320	Long Island U. all campuses	137 i	85 i	106	107 i	113 i	85 i	102	102 i
321	C. of the Holy Cross	118	55	77	105	100	30	71	63
322	Cleveland State U.	185	233	162	98	119	126	73	36
323	Hamilton C. (Clinton, NY)	24	125	51	92	11	91	27	60
324	TX A&M U. Commerce	2	155	45	89	0	0	0	49
325	Alfred U. all campuses	4	82	165	86	3	0	49	54
326	Vassar C.	66 i	57 i	36	84	40 i	51 i	36	84
327	CA State U. Fullerton	115	13	95	83	105	10	90	70
328	Oberlin C.	105	121	140	83	67	81	103	57
329	U. AR Little Rock	45	16	79 i	82 i	45	0	0 i	0 i
330	U. Northern IA	0	0	37	82	0	0	18	34
331	TX A&M U. Kingsville	113	23	30	81	91	20	25	0
332	SUNY C. Buffalo	0	79	0	78	0	79	0	78
333	Reed C.	289	158	97	77	164	26	0	0
334	Grinnell C.	168	37	42	75	0	0	6	7
335	Lawrence U.	18 i	18 i	242	75	6 i	6 i	92	44
336	Marshall U.	55	17	4	75	50	16	0	72
337	U. San Diego	164	186	49	74	164	148	46	55
338	Simmons C.	259	72	1	72	162	72	1	11
339	Santa Clara U.	ne	66 i	68 i	71 i	ne	66 i	67 i	67 i
340	Kettering U.	0	0	19	69	0	0	0	0
341	Loyola U. New Orleans	91 i	95	123	69	69 i	75	65	41
342	U. WI Oshkosh	33	14	57	69	22	11	57	68
343	OH Wesleyan U.	20 i	33	19	67	0 i	0	0	47
344	Smith C.	83	40	70	67	83	40	70	58
345	CT C.	19 i	20	106	63	12 i	20	101	60
346	CUNY Brooklyn C.	182	130	0	63	47	38	0	2
347	U. South AL	43	31	39	62	43	31	39	31

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
348	Mt. St. Mary's C. (Los Angeles, CA)	0	76	119	61	0	76	119	61
349	Davidson C.	11 i	7 i	3	59	3 i	1 i	0	0
350	Lake Forest C.	6	1	14	58	0	0	0	0
351	U. WI Eau Claire	47	60	67	57	38	60	59	46
352	DePauw U.	48 i	49 i	53 i	56 i	48 i	49 i	53 i	56 i
353	U. West GA	45	55	55	55	45	45	55	55
354	Ft. Lewis C.	19	32	0	53	17	4	0	12
355	Gustavus Adolphus C.	264	73	70	53	240	44	51	39
356	Loyola Marymount U.	92	65	49	52	56	55	40	41
357	C. Wooster	83 i	158 i	243 i	50	83 i	137 i	149 i	0
358	Eastern MI U.	39	92	36	50	0	0	0	0
359	Coastal Carolina U.	92	70	70	49	80	46	68	46
360	Augustana C. (Sioux Falls, SD)	0	0	96	48	0	0	46	46
361	Fordham U.	0	3	8	48	0	0	6	5
362	St. Cloud State U.	21	29	35	48	21	24	29	43
363	U. Dayton	70	45	146	48	30	38	131	40
364	Winona State U.	ne	ne	ne	46	ne	ne	ne	0
365	Western IL U.	0	0	6	43	0	0	6	30
366	Angelo State U.	ne	ne	13 i	41	ne	ne	2 i	12
367	Claremont McKenna C.	ne	ne	ne	41 i	ne	ne	ne	41 i
368	Seton Hall U.	390	403	143	41	338	383	130	0
369	Bates C.	15	1	136	40	8	0	130	35
370	Milwaukee School of Engineering	43	36	39	40	0	0	39	40
371	Lincoln U. (Lincoln University, PA)	0	0	0	39	0	0	0	39
372	Lafayette C.	126	93	29	38	82	84	24	37
373	U. HI Hilo	0	0	0	38	0	0	0	38
374	CA State Polytechnic U. San Luis Obispo	223	203	168	37	26	90	62	15
375	Hope C.	114	145	70	37	105	103	57	17
376	U. TX Tyler	ne	22	36	35	ne	0	0	0
377	Trinity U.	119	43	5	34	72	31	0	19
378	DePaul U.	85	102	40	33	77	86	34	24
379	Wabash C.	1	9	2	33	1	0	2	33
380	Northern AZ U.	100	96	87	31	86	68	49	0
381	Kalamazoo C.	35	19	45	30	4	11	1	0
382	Roanoke C.	281	169	131	30	253	166	125	26
383	U. New Haven	0 i	0	ne	30	0 i	0	ne	30
384	Villanova U.	0 i	0 i	0 i	29	0 i	0 i	0 i	29
385	Lewis and Clark C.	44	52	39	28	30	17	29	12
386	Franklin & Marshall C.	46	59	69	25	16	0	0	0
387	IN State U. all campuses	20	7	14	25	20	7	14	25
388	Washington and Lee U.	31 i	30	45	25	0 i	0	0	5
389	Siena C.	ne	ne	24 i	24 i	ne	ne	24 i	22 i
390	Morgan State U.	395	165	89	23	395	165	89	23
391	Ursinus C.	ne	ne	41	23	ne	ne	41	23
392	Grand Valley State U.	0	7	45	22	0	0	18	2
393	U. WI Whitewater	116	129	46	21	116	128	44	21
394	SUNY C. Brockport	0	0	18	20	0	0	9	20
395	St. Mary's C. MD	14	0	25	19	12	0	15	8

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
396	Western WA U.	75	45	35	19	0	0	0	0
397	CA State U. East Bay	129 i	51	4	18	109 i	0	0	5
398	Loyola C.	90	174	156 i	18	90	73	62 i	17
399	Mercyhurst C.	ne	ne	9	18	ne	ne	0	0
400	Truman State U.	3	11	6	18	0	0	0	0
401	U. Northern CO	10	17	16	18	5	11	11	10
402	U. WI Stevens Point	50	31	13	18	37	13	7	15
403	Bard C.	ne	11 i	ne	17 i	ne	11 i	ne	17 i
404	C. NJ, The	41 i	33 i	27	16	0 i	0 i	0	6
405	CO State U. Pueblo	46	0	0	16	46	0	0	14
406	Andrews U.	33	5	2	15	23	1	0	0
407	Dickinson C.	274	91	51	15	240	60	35	0
408	SUNY C. Oswego	0	0	0	15	0	0	0	15
409	U. San Francisco	0	56	27	14	0	56	19	8
410	Willamette U.	2	5	5	14	0	0	0	0
411	Bridgewater State C.	3	8	10	13 i	0	0	3	4 i
412	Miles C.	ne	ne	ne	13	ne	ne	ne	13
413	Trinity C. (Hartford, CT)	87	2	2	13	83	0	0	0
414	McNeese State U.	0	0	14	12	0	0	0	0
415	Southern OR U.	68	81	25	12	60	69	18	9
416	U. Houston-Clear Lake	0	2	0	12	0	0	0	0
417	Canisius C.	0 i	0 i	9	11	0 i	0 i	9	11
418	Juniata C.	10	42	23	11	0	33	23	11
419	U. AR Pine Bluff	0	0	0	11	0	0	0	11
420	VA Military Institute	0	8	31	11	0	0	5	0
421	Pacific Lutheran U.	0 i	0 i	0 i	10	0 i	0 i	0 i	0
422	Pittsburg State U.	1	5	20	10	0	0	0	0
423	Southwest MO State U.	106	34	27	10	0	16	22	5
424	Edward Waters C.	ne	ne	ne	9 i	ne	ne	ne	0 i
425	Seattle Pacific U.	ne	ne	ne	9 i	ne	ne	ne	1 i
426	U. of the Sciences Philadelphia	0	0	0	9	0	0	0	0
427	CUNY York C.	0	20	12	7	0	20	0	0
428	St. Joseph's U.	4	3	4	7	4	3	4	7
429	Embry-Riddle Aeronautical U.	965	0	0 i	6	697	0	0 i	6
430	Indiana U. PA all campuses	54	4	7	6	33	0	0	0
431	William Paterson U. NJ	ne	ne	ne	6 i	ne	ne	ne	5 i
432	Fairleigh Dickinson U. all campuses	ne	ne	ne	5 i	ne	ne	ne	0 i
433	U. AK Anchorage all campuses	0 i	0	0	5	0 i	0	0	0
434	Whitman C.	30	46	4	5	30	46	4	5
435	Eastern IL U.	0 i	0 i	0 i	4	0 i	0 i	0 i	0
436	Eastern KY U.	22	13	0	4	14	9	0	0
437	Humboldt State U.	0 i	0 i	0	4	0 i	0 i	0	0
438	U. NC Greensboro	11	22	5	4	0	10	0	0
439	U. WI Parkside	3	0	0	4	3	0	0	4
440	Central WA U.	0	0	11	3	0	0	11	3
441	MN State U. Mankato	0 i	0	2	3	0 i	0	2	0
442	Southern Polytechnic State U.	ne	ne	ne	3	ne	ne	ne	0
443	CUNY Baruch C.	0	0	0	2	0	0	0	0
444	Goucher C.	ne	ne	ne	2	ne	ne	ne	1
445	Skidmore C.	0	9	0	2	0	0	0	0

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
446	Sweet Briar C.	ne	ne	ne	2	ne	ne	ne	0
447	TX A&M U. Corpus Christi	0	0	4	2	0	0	0	0
448	U. AK Fairbanks all campuses	71	6	2	1 i	71	1	1	1 i
	All other surveyed institutions	4,769	5,296	1,210	0	3,220	3,766	819	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$54,280 in total and \$53,616 in federally financed R&D expenditures in physics in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	782,530	825,651	875,264	863,358	586,837	610,541	629,037	599,882
1	PA State U. all campuses	18,626	22,721	22,776	22,594	11,985	11,847	14,108	15,596
2	U. TX M. D. Anderson Cancer Ctr.	7,966	7,851	13,636	19,741	4,984	5,226	6,637	7,791
3	NY U.	14,903	14,938	14,589	17,450	12,179	12,256	12,334	14,505
4	FL State U.	8,574	12,923	15,108	16,759	4,880	9,238	9,042	10,492
5	U. Houston	5,618	13,249	9,998	15,948	4,632	6,632	6,318	8,343
6	U. CT all campuses	12,908	15,152	14,625	15,848	10,223	12,123	11,849	11,876
7	U. CO all campuses	9,908	11,799	14,041	15,229	8,629	10,561	12,433	12,462
8	U. GA	14,005	13,020	13,617	14,958	8,130	7,883	6,921	7,817
9	U. Rochester	14,732	13,884	14,556	14,115	10,461	10,609	11,469	10,159
10	U. MN all campuses	12,752	13,090	13,165	13,508	8,830	8,835	8,192	7,925
11	U. FL	8,952	11,890	12,103	13,071	7,871	8,200	7,214	7,161
12	U. IL Urbana-Champaign	14,265	12,594	13,511	12,723	8,754	8,235	9,115	8,102
13	U. NE all campuses	9,650	9,691	11,663	12,718	5,539	5,346	6,688	8,408
14	Rutgers, The State U. NJ all campuses	11,378	10,773	12,717	12,573	5,318	4,643	4,063	3,824
15	IN U. all campuses	12,234	11,152	15,732	11,803	8,089	8,968	9,415	7,704
16	U. CA, Los Angeles	11,982	12,773	11,546	11,718	8,990	9,845	9,035	8,913
17	AZ State U.	8,694	9,565	10,821	11,263	6,872	7,959	8,907	9,289
18	San Diego State U.	9,020	8,776	9,268	11,055	5,347	4,850	4,952	5,473
19	U. SC all campuses	6,162	6,246	12,118	10,922	4,685	4,324	9,411	8,623
20	Vanderbilt U.	9,639	9,694	10,606	10,647	7,655	7,701	8,087	8,225
21	U. MI all campuses	10,823	11,970	12,474	10,301	9,649	10,208	10,451	7,250
22	U. CA, Berkeley	11,531	8,805	9,501	10,268	7,944	5,551	5,758	6,087
23	U. WA	8,863	9,733	10,936	9,933	8,359	8,876	9,929	8,688
24	U. WI Madison	29,329	29,796	30,618	9,769	22,945	24,461	24,208	7,305
25	Princeton U.	9,863	8,871	8,854	9,292	7,519	7,199	6,898	7,320
26	Temple U.	10,338	12,586	10,992	9,223	6,738	8,251	6,543	6,165
27	SUNY Buffalo all campuses	4,749	5,489	6,291	9,216	2,510	2,911	2,946	4,691
28	U. TX Austin	7,560	8,693	9,093	9,108	6,931	7,900	8,141	8,255
29	Boston U.	6,622	7,439	7,687	9,058	6,601	7,298	7,478	8,845
30	U. NM main campus	5,665	10,304	10,470	8,782	4,631	8,818	8,810	7,220
31	SUNY Stony Brook all campuses	3,472	5,302	7,475	8,664	2,682	4,271	4,085	4,107
32	U. Memphis, The	11,065	11,658	11,815	8,491	5,756	6,634	5,850	3,612
33	U. IA	5,477	6,971	8,392	8,102	5,056	6,103	7,097	6,863
34	U. KY all campuses	5,099	6,294	7,870	8,026	3,768	5,253	6,441	7,087
35	Stanford U.	8,602	7,603	6,701	7,983	6,864	6,438	5,713	6,953
36	San Jose State U.	9,056	9,787	8,471	7,910	9,056	9,787	8,471	7,879
37	U. OR	8,135	6,914	7,854	7,896	7,496	5,971	7,104	7,088
38	U. CA, San Diego	7,369	6,993	7,886	7,799	5,889	5,384	5,628	5,828
39	U. Miami	10,194	9,538	8,316	7,751	9,737	8,974	7,936	7,461
40	Carnegie Mellon U.	7,637	5,237	5,454	7,501	6,850	4,648	5,153	6,615
41	Harvard U.	8,245	7,525	7,660	7,329	7,769	7,096	7,318	6,880
42	U. MO-Columbia	7,273	7,647	7,246	6,832	4,941	5,234	4,912	4,578
43	U. Southern CA	4,615	4,028	5,341	6,824	3,379	3,099	4,054	5,344
44	U. NC Chapel Hill	6,065	5,999	5,581	6,813	5,359	4,703	4,704	5,671
45	U. Pittsburgh all campuses	7,488	8,237	7,775	6,538	6,997	7,233	6,831	5,823
46	Uniformed Services U. of the Health Sciences	149	86	4,541	6,319	107	66	2,850	3,156
47	Johns Hopkins U., The ^a	5,846	5,720	7,674	6,196	5,218	5,134	6,391	5,787
48	U. PA	5,122	6,080	6,267	6,173	4,889	5,537	5,535	5,104
49	U. Chicago	6,346	6,623	7,304	6,081	5,926	6,570	7,212	6,033

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
50	CUNY Hunter C.	6,133	6,977	5,556	6,066	4,617	5,055	4,290	4,703
51	U. VA all campuses	7,287	6,802	6,880	5,949	6,430	5,991	6,229	5,475
52	Yale U.	8,249	6,873	7,847	5,935	5,666	4,610	4,640	3,583
53	U. IL Chicago	6,626	6,671	6,562	5,926	4,154	4,481	4,177	2,920
54	OH State U. all campuses	6,752	6,947	5,971	5,835	5,020	4,992	4,492	4,289
55	U. CA, Santa Barbara	3,089	3,266	3,760	5,692	2,560	2,767	3,170	3,965
56	U. AZ	4,136	4,903	7,329	5,645	2,960	3,398	3,470	3,332
57	U. MA Amherst	5,077	5,475	5,977	5,560	3,442	3,304	3,511	3,111
58	GA Institute of Technology all campuses	3,236	5,018	5,382	5,447	1,833	1,979	2,473	2,426
59	Syracuse U. all campuses	3,155	4,023	4,644	5,403	3,135	3,975	4,555	5,071
60	Washington U. St. Louis	4,475	6,356	5,948	5,367	3,030	4,780	4,369	4,118
61	MI State U.	6,472	6,861	6,818	5,114	3,832	3,456	3,773	3,304
62	Cornell U. all campuses	5,388	6,464	5,875	4,994	2,462	2,670	2,939	2,360
63	Wayne State U.	3,533	4,705	4,713	4,880	2,214	3,753	2,922	3,470
64	Tufts U.	4,042	4,677	4,966	4,839	2,104	2,936	2,682	2,106
65	U. South FL	3,164	7,255	7,631	4,816	2,327	4,515	4,496	2,457
66	GA State U.	11,634	11,182	11,747	4,772	8,793	8,570	7,902	2,793
67	U. Louisville	3,163	3,808	4,348	4,729	2,512	3,088	3,690	4,095
68	MS State U.	2,099	4,993	7,805	4,478	1,142	3,288	6,105	2,355
69	CA State U. San Bernardino	1,245	1,892	687	4,454	0	20	392	498
70	SUNY Binghamton	3,890	3,503	4,404	4,401	2,599	2,385	2,680	3,097
71	U. MD College Park	4,798	4,844	4,310	4,399	4,634	4,566	4,019	4,050
72	Teachers C. Columbia U.	3,983	4,072	4,032	4,352	3,149	3,250	3,734	3,816
73	U. CA, Irvine	3,508	3,960	4,380	4,279	2,122	2,145	2,487	2,108
74	Dartmouth C.	6,070	5,594	7,967	4,138	3,907	3,601	5,501	2,639
75	U. MA Boston	1,268	1,374	1,758	4,132	992	916	1,106	1,898
76	Columbia U. in the City of NY	3,865	4,183	3,053	3,973	3,756	4,113	2,870	3,743
77	U. of Notre Dame	3,932	4,029	4,756	3,854	3,615	3,922	4,639	3,790
78	VA Polytechnic Institute and State U.	2,813	2,307	2,276	3,840	2,014	1,454	1,196	2,034
79	Northwestern U.	4,098	3,755	3,733	3,820	3,312	2,896	2,890	2,503
80	CA State U. Northridge	2,113	2,422	911	3,814	817	920	788	651
81	Purdue U. all campuses	5,494	6,198	4,585	3,736	3,748	4,416	3,534	3,034
82	NM State U. main campus	1,026	909	2,622	3,495	912	770	2,126	3,050
83	U. DE	3,328	3,817	3,729	3,366	2,853	3,098	2,876	2,426
84	Brandeis U.	3,208	2,765	2,972	3,345	2,709	2,472	2,610	2,911
85	VA Commonwealth U.	4,875	5,126	4,161	3,209	3,041	3,617	2,983	2,429
86	U. AL Birmingham, The	7,514	8,414	6,173	3,199	6,920	8,374	6,071	3,027
87	UT State U.	3,925	3,384	3,637	3,157	2,379	1,746	2,275	2,153
88	Gallaudet U.	1,355	1,495	1,476	3,003	1,355	1,495	1,476	3,003
89	TX A&M U.	2,621	2,940	2,984	2,931	1,820	2,054	2,058	1,682
90	U. CA, Davis	1,625	2,000	1,745	2,849	797	996	847	1,243
91	Duke U.	1,939	2,527	3,004	2,847	1,209	1,514	1,941	1,795
92	U. TX Dallas	461	545	3,698	2,833	67	402	3,153	2,390
93	George Mason U.	2,751	2,809	3,410	2,825	1,610	2,054	2,069	2,012
94	Kent State U. all campuses	1,584	1,766	1,548	2,822	1,236	1,189	1,255	1,822
95	CO State U.	3,784	4,812	3,330	2,723	3,119	3,856	2,954	2,370
96	U. OK all campuses	1,293	1,746	2,161	2,690	821	1,192	1,166	2,110
97	U. LA Lafayette	344	259	1,632	2,681	40	17	402	1,210
98	Wichita State U.	1,094	290	2,622	2,535	718	135	1,699	1,700
99	U. CA, Riverside	1,950	2,123	1,834	2,517	1,770	1,905	1,581	2,318
100	U. Denver	2,296	2,251	2,124	2,501	2,050	2,032	1,937	2,321

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
101	ND State U. all campuses	1,333	2,714	3,248	2,383	1,084	2,437	3,008	2,149
102	Emory U.	2,461	1,718	2,008	2,377	2,163	1,590	1,891	1,835
103	TX Christian U.	2,289	2,467	2,393	2,352	2,287	2,462	2,297	2,238
104	WA State U.	1,955	2,105	1,101	2,295	1,494	1,455	481	1,119
105	U. MD Baltimore County	1,503	1,758	2,177	2,248	596	897	1,115	1,508
106	U. UT	2,544	2,897	2,709	2,155	2,257	2,534	2,167	1,727
107	George Washington U.	1,125	2,268	1,820	2,153	1,110	1,554	1,667	1,969
108	SUNY Albany	1,797	1,174	1,649	2,137	1,079	862	1,412	1,807
109	Northeastern U.	3,514	3,901	2,373	2,135	1,939	2,013	1,714	1,674
110	Northern IL U.	1,614	1,732	2,289	2,029	644	1,070	1,319	1,753
111	U. VT	848	1,355	1,770	2,010	629	1,181	1,642	1,926
112	CUNY Herbert H. Lehman C.	1,307	1,699	1,928	1,944	1,304	1,699	1,798	1,849
113	FL International U.	2,597	3,134	1,216	1,943	1,958	2,098	1,216	1,737
114	Old Dominion U.	770	1,439	2,029	1,913	462	638	1,012	774
115	Rush U.	2,452	2,661	2,035	1,831	1,683	1,752	1,290	1,350
116	U. Cincinnati all campuses	1,390	1,941	1,900	1,716	190	764	779	627
117	Boston C.	870 e	920	1,136	1,711	637 e	420	471	733
118	Rensselaer Polytechnic Institute	0	1,153	1,572	1,711	0	1,044	1,402	1,500
119	Drexel U.	1,044	1,106	1,314	1,698	918	988	1,062	1,289
120	U. CA, Santa Cruz	1,096	910	1,725	1,690	576	369	591	444
121	U. AL, The	2,825	2,472	2,083	1,685	2,800	2,423	1,814	1,508
122	Brown U.	2,605	2,349	2,560	1,676	1,558	1,151	1,290	839
123	Claremont Graduate U.	839	1,599	1,779	1,660	527	898	835	591
124	San Francisco State U.	0 i	1,781	1,894	1,658	0 i	1,281	1,583	1,121
125	Barnard C.	820 e	1,684	1,452	1,635	757 e	1,574	1,354	1,592
126	Miami U. all campuses	983 i	1,336 i	1,363 i	1,613 i	639 i	997 i	979 i	1,114 i
127	LA State U. all campuses	1,057	1,438	1,807	1,608	209	392	807	653
128	U. ME	1,222	792	1,366	1,521	961	645	432	1,056
129	U. Central FL	2,016	1,706	1,579	1,480	1,969	1,528	1,219	1,192
130	CUNY Brooklyn C.	1,334	1,504	895	1,452	1,133	1,300	500	1,326
131	DePaul U.	2,685	3,034	2,457	1,448	2,570	2,818	1,875	1,198
132	Clemson U.	908	1,232	1,275	1,437	637	915	794	859
133	U. TX Arlington	584	1,450	1,636	1,434	446	1,187	1,344	1,116
134	OH U. all campuses	1,490	1,776	1,830	1,373	1,031	1,220	1,171	890
135	Bowling Green State U. all campuses	1,428	1,522	1,432	1,302	1,137	1,158	745	519
136	Rowan U.	1,172	942	984	1,297	875	604	638	664
137	Case Western Reserve U.	680	882	870	1,249	632	779	784	1,202
138	U. WI Milwaukee	735	879	958	1,221	566	638	698	710
139	CA State U. Long Beach	129	167	579	1,193	105	143	367	1,026
140	Southern IL U. Carbondale	568	952	1,157	1,189	328	536	753	659
141	U. NC Greensboro	379	414	937	1,188	364	397	869	1,105
142	Georgetown U.	777	958	1,386	1,182	743	888	1,151	1,079
143	CUNY John Jay C. of Criminal Justice	146	526	532	1,159	143	511	515	947
144	U. NV, Reno	509	350	633	1,143	466	253	550	1,080
145	U. PR Rio Piedras Campus	1,165	1,515	1,338	1,138	1,112	1,490	1,300	1,076
146	Southern Methodist U.	600	1,277	1,215	1,127	437	1,254	1,088	965
147	U. MO-Kansas City	2,230	3,485	1,977	1,122	1,507	2,668	1,475	659
148	CUNY Queens C.	781	1,058	986	1,110	686	744	909	974
149	Wright State U. all campuses	1,966	1,226	1,244	1,084	1,327	845	757	725
150	U. NC Wilmington	415	709	628	1,055	410	655	628	962
151	U. TN all campuses	319	422	350	1,044	232	265	251	171

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
152	U.S. Military Academy	0 i	0 i	0 i	1,020	0 i	0 i	0 i	870
153	Wesleyan U.	1,217	910	995	1,006	1,111	707	637	584
154	MA Institute of Technology	1,568	970	1,263	968	1,380	857	1,118	665
155	St. John's U. (Jamaica, NY)	133 i	884	798	965	124 i	884	735	907
156	FL Atlantic U.	533	636	646	943	404	591	508	623
157	Portland State U.	371 e	183	459	937	261 e	125	376	715
158	IL Institute of Technology	434	583	1,024	920	396	528	875	626
159	KS State U.	687	1,066	931	907	276	357	282	352
160	Clark U.	582 e	603	658	906	501 e	378	438	606
161	Auburn U. all campuses	665	621	586	899	577	555	549	428
162	U. HI Manoa	4,148	739	858	863	4,079	103	63	56
163	IA State U.	798	1,001	1,008	855	217	367	354	195
164	Pomona C.	565	502	576	824	366	381	517	463
165	U. WY	1,592 e	1,256	1,050	793	1,103 e	607	299	284
166	Fuller Theological Seminary CA	952 i	1,174	729	780	804 i	985	500	553
167	WV U.	277	224	419	756	128	104	123	188
168	U. TX El Paso	574	1,044	1,241	751	557	848	962	534
169	U. RI	3,662	2,472	2,072	746	2,891	1,772	1,449	447
170	Rosalind Franklin U. of Medicine and Science	519	251	18	731	476	251	18	541
171	U. KS all campuses	944	835	1,125	729	784	765	1,056	630
172	U. AR Little Rock	0	206	694 i	722 i	0	71	29 i	30 i
173	Loyola U. Chicago	707	531	508	714	474	345	322	638
174	Brigham Young U. all campuses	623	526	620	691	412	264	314	403
175	Nova Southeastern U.	293	282	701	691	293	282	647	663
176	Alfred U. all campuses	0	599	880	658	0	482	747	559
177	U. AL Huntsville, The	18	67	25	658	10	54	24	488
178	Rice U.	910	831	743	643	908	830	727	598
179	Central MI U.	268	208	359	635	1	38	97	139
180	U. Tulsa	32	145	470	629	20	125	467	553
181	SUNY C. Oswego	1,325	566	640	618	963	542	637	617
182	U. MO-St. Louis	1,103	800	678	614	594	381	83	147
183	Smith C.	255	204	436	610	255	204	412	557
184	Bryn Mawr C.	1,982	365	597	603	157	28	222	341
185	OK State U. all campuses	418	428	626	597	38	15	173	64
186	U. South AL	286	190	416	586	281	190	409	535
187	Fordham U.	709	754	907	579	522	570	403	160
188	TX Tech U.	432	280	564	572	280	211	394	363
189	C. of William and Mary all campuses	464	440	469	564	82	148	217	184
190	Southern CT State U.	0	220	190 i	550	0	121	105 i	424
191	U. NC Charlotte	10	59	187	503	0	52	91	314
192	CUNY Graduate Ctr.	427	345	575	501	161	0	15	190
193	Jackson State U.	1,240	1,058	771	492	1,129	899	620	413
194	IN State U. all campuses	243	189	364	488	234	173	353	476
195	U. MT-Missoula, The	776	718	661	470	681	572	529	352
196	Morehouse C.	326 i	396	483	466	326 i	394	483	466
197	Tulane U.	445	535	265	441	265	339	218	358
198	U. AR main campus	335	291	401	435	38	83	47	115
199	Carlos Albizu U. (San Juan, PR)	ne	ne	497	418	ne	ne	234	202
200	Loyola Marymount U.	0	245	272	401	0	241	230	330
201	OR State U.	69	168	156	391	62	155	117	341

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
202	Morehead State U.	194	285	272	388	191	225	207	255
203	U. MA Lowell	168	167	251	386	78	78	108	35
204	CA State U. Fresno	1,284	155	252	377 i	1,284	155	234	371 i
205	U.S. Air Force Academy	474	225	0	354	249	0	0	354
206	C. of the Holy Cross	97	178	390	344	70	124	384	331
207	U. Toledo	223	273	366	343	162	148	145	192
208	U. North TX	530	574	259	342	76	85	48	0
209	St. Joseph's U.	157	244	272	338	0	0	0	0
210	Catholic U. America, The	1,181	792	492	332	1,094	694	414	269
211	American U.	356	410	309	330	322	404	272	280
212	IL Wesleyan U.	ne	20	23	307	ne	10	4	258
213	U. Southern MS	149	171	244	307	94	109	194	241
214	LA Tech U.	140	286	217	304	0	0	0	44
215	CUNY The City C.	390	437	383	301	388	374	331	155
216	SUNY C. Buffalo	230	210	210	300	143	210	180	134
217	U. Richmond	86	143	181	297	65	122	109	281
218	Swarthmore C.	449	376	385	292	421	336	355	271
219	U. AK Fairbanks all campuses	0	150	274	277 i	0	150	274	277 i
220	Lehigh U.	187	115	355	275	182	115	336	259
221	Western KY U.	487	460	398	274	441	421	356	274
222	U. San Francisco	398	336	172	265	398	333	114	177
223	Western MI U.	214	32	198	262	209	30	31	61
224	Baylor U.	277	166	287	261	223	77	105	103
225	Nicholls State U.	507	196	250	250	0	0	0	0
226	Wake Forest U.	0	0	292	248	0	0	266	224
227	Macalester C.	148	137	223	235	69	6	68	68
228	St. Louis U. all campuses	60 e	0	14	235	22 e	0	0	136
229	Amherst C.	156	184	390	234	78	74	237	52
230	Northern KY U.	93	234	275	220	47	192	228	176
231	U. NH	338	114	81	208	335	114	81	208
232	Fairfield U.	216	215	238	202	35	41	32	10
233	Reed C.	59	344	251	195	10	277	196	195
234	U. Central AR	113 i	122 i	199 i	195 i	80 i	80 i	87 i	71 i
235	TN Technological U.	0	90	175	187	0	81	158	171
236	Western WA U.	420	392	273	185	170	211	112	86
237	Hamilton C. (Clinton, NY)	300	271	233	181	300	266	233	181
238	New School, The	259	165	214	178	232	157	203	174
239	East Carolina U.	95	13	89	173	95	13	86	165
240	CA State U. Los Angeles	275	148	183	171	275	148	183	171
241	James Madison U.	429	288	231	171	66	5	0	55
242	U. NV, Las Vegas	0 i	0	107	171	0 i	0	97	171
243	Calvin C.	112	379	141	168	64	280	96	86
244	Furman U.	214	86	88	165	182	31	66	132
245	Hampshire C.	216	199	178	165	63	0	0	0
246	East TN State U.	113	181	147	164	81	84	82	83
247	Rochester Institute of Technology	0	0	69	154	0	0	68	146
248	Black Hills State U.	0	0	16	146	0	0	0	146
249	Northeastern IL U.	43	38	25	146	0	0	6	85
250	OH Wesleyan U.	36 i	186	206	145	5 i	163	181	138
251	Appalachian State U.	4	38	149	136	0	28	141	134
252	U. HI Hilo	338	0	0	134	338	0	0	134

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
253	U. ND all campuses	70	136	213	127	0	72	103	48
254	CT C.	47 i	56	55	120	47 i	56	55	120
255	Hofstra U.	0 i	0 i	32	118	0 i	0 i	0	81
256	Franklin & Marshall C.	84	92	45	117	26	21	0	0
257	Rhodes C.	13 i	17	171	116	8 i	17	171	116
258	U. SD	97	218	265	116	85	208	244	116
259	U. TX San Antonio	176	298	195	110	160	187	114	45
260	CA State U. Dominguez Hills	115	7	104	107	36	5	93	97
261	Marquette U.	268	268	192	103	235	260	186	87
262	Grinnell C.	69	260	161	100	0	159	0	0
263	C. Wooster	59 i	115 i	182 i	99	59 i	98 i	106 i	0
264	Eastern MI U.	753	177	239	98	667	166	217	78
265	Colgate U.	232	178	68	96	122	115	12	11
266	Skidmore C.	23	134	113	95	6	41	112	71
267	CA State U. East Bay	114 i	19	4	94	102 i	0	0	0
268	Long Island U. all campuses	256	449	85	92 i	256	449	10	10 i
269	U. Akron all campuses	227	133	73	92	157	60	46	45
270	West TX A&M U.	0	4	0	90	0	0	0	0
271	NM Institute of Mining and Technology	2	2 i	2	89	0	0 i	0	86
272	Mt. Holyoke C.	21	102	73	87	13	85	67	81
273	Bowdoin C.	101	190	100	86	69	184	96	85
274	U. North FL	88	86	94	84	38	70	75	72
275	Oakland U.	21	107	66	81	0	0	47	76
276	U. Southern ME	0 i	0 i	0	81	0 i	0 i	0	64
277	Carleton C.	76	48	39	75	76	48	39	75
278	St. Olaf C.	21	3	0	73	21	3	0	73
279	McNeese State U.	45	32	20	72	10	10	0	0
280	Pitzer C.	223	108	84	72	223	108	71	0
281	Dickinson C.	34	22	95	71	12	0	50	42
282	Eastern IL U.	0 i	0 i	0 i	71	0 i	0 i	0 i	67
283	Northern AZ U.	6	33	27	71	0	21	0	0
284	Berry C.	ne	ne	75	70 i	ne	ne	75	70 i
285	FL Institute of Technology	216	196	135	69	51	157	0	0
286	CUNY Baruch C.	148	104	75	68	147	104	75	31
287	Villanova U.	169 i	191 i	214 i	68	160 i	185 i	206 i	68
288	Haverford C.	108 i	84 i	56 i	67 i	94 i	75 i	44 i	53 i
289	U. MO-Rolla	19	25	25	67	0	0	0	0
290	NC State U.	1	0	11	63	0	0	0	58
291	TX A&M U. Commerce	0	31	21	63	0	19	0	0
292	FL A&M U.	67	11	83	62	67	11	11	1
293	Williams C.	50 i	58 i	68 i	62 i	27 i	37 i	45 i	35 i
294	C. Charleston	37	90	88	58	0	34	12	0
295	U. Houston-Clear Lake	4	7	35	55	0	0	18	30
296	U. West FL	37	7	210	55	14	0	89	0
297	U. MA Dartmouth	162	160	123	52	140	148	107	36
298	U. WI Stout	25	19	0	51	0	0	0	0
299	IL State U.	41	148	44	50	0	61	37	43
300	SUNY C. Geneseo	195	72	68	50	90	56	30	18
301	U. AK Anchorage all campuses	0 i	0	148	50	0 i	0	148	26
302	Clark Atlanta U.	263	300	99	49	263	300	99	49
303	MT State U. Bozeman	0	0	0	48	0	0	0	48

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
304	Claremont McKenna C.	ne	ne	ne	47 i	ne	ne	ne	47 i
305	Cleveland State U.	80	86	48	47	37	45	7	24
306	U. MS all campuses	201	121	103	44	59	0	0	0
307	Trinity U.	48	68	71	43	47	68	67	35
308	AR State U. main campus	26	81	25	42	0	0	0	0
309	St. Mary's C. MD	0	133	179	42	0	133	179	42
310	Union C. (Schenectady, NY)	91	36	73	41	0	0	2	26
311	Sweet Briar C.	ne	ne	ne	38	ne	ne	ne	0
312	C. NJ, The	205 i	165 i	83	36	0 i	0 i	0	0
313	Creighton U.	0	0	43	35	0	0	43	35
314	Davidson C.	164 i	176 i	187	35	164 i	176 i	187	0
315	Northern MI U.	53 i	56 i	60 i	34	39 i	40 i	42 i	18
316	Winona State U.	ne	ne	ne	33	ne	ne	ne	0
317	Lake Forest C.	14	18	22	32	0	0	0	0
318	U. TX Tyler	ne	8	18	32	ne	0	0	0
319	U. WI Eau Claire	33	54	41	32	32	54	41	0
320	Ball State U.	93	84	36	31	69	56	24	3
321	Occidental C.	0 i	0	6	31	0 i	0	0	0
322	TX A&M U. System Health Science Ctr.	108	101	72	31	108	101	72	31
323	Lewis and Clark C.	38	50	34	30	0	0	0	0
324	Middlebury C.	0 i	0 i	0 i	28	0 i	0 i	0 i	28
325	Bucknell U.	3	0	14	27	3	0	0	0
326	Christopher Newport U.	58	100	51	26	13	59	30	20
327	Oberlin C.	38	68	49	26	38	43	27	24
328	Pacific U.	0 i	0	0	26	0 i	0	0	0
329	Towson U.	3	0	10	26	0	0	0	0
330	Fayetteville State U.	20	275	0	25	20	275	0	23
331	Santa Clara U.	ne	25 i	25 i	25 i	ne	25 i	25 i	25 i
332	U. Dayton	11	9	16	25	0	0	0	13
333	CA State U. Fullerton	86	63	97	24	81	53	40	2
334	Grand Valley State U.	21	62	13	24	0	48	8	0
335	Hope C.	0	0	3	24	0	0	0	0
336	Montclair State U.	58 i	49 i	20 i	24 i	0 i	0 i	0 i	0 i
337	TX State U. San Marcos	22	12	6	22	0	0	0	0
338	U. TX-Pan American	307	113	251	22	290	112	112	0
339	Mills C.	ne	ne	20 i	21 i	ne	ne	20 i	21 i
340	Middle TN State U.	4	5	40	20	0	0	0	0
341	Bard C.	ne	17 i	ne	19 i	ne	17 i	ne	19 i
342	CUNY C. Staten Island	58	84	73	19	40	46	70	0
343	Hobart and William Smith Colleges	ne	ne	ne	19	ne	ne	ne	19
344	Indiana U. PA all campuses	537	110	45	19	55	47	43	4
345	Southwest MO State U.	0	18	0	19	0	0	0	19
346	Allegheny C.	1	0	0	18	0	0	0	0
347	Central WA U.	0	0	19	18	0	0	0	0
348	MN State U. Mankato	8 i	27	9	18	0 i	0	0	0
349	U. ID	201	133	65	18	101	96	27	13
350	Drake U.	26	34	36	17	15	29	21	0
351	Ithaca C.	211	74	71	17	205	73	71	17
352	Sonoma State U.	0	0	5	17	0	0	0	14
353	TX Woman's U.	2	4	13	17	0	0	0	0
354	DE State U.	0 i	0	14	15	0 i	0	0	0

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
355	Mercy C.	ne	56 i	0	15	ne	56 i	0	15
356	Philadelphia C. of Osteopathic Medicine	0	0	19	15	0	0	0	0
357	Angelo State U.	ne	ne	28 i	14	ne	ne	5 i	0
358	Bridgewater State C.	3	3	11	14 i	0	0	0	0 i
359	Colby C.	4	5	76	12	0	0	68	6
360	Whitman C.	0	0	0	12	0	0	0	12
361	Xavier U. LA	0	0 i	0	12	0	0 i	0	12
362	DePauw U.	9 i	9 i	10 i	11 i	9 i	9 i	10 i	11 i
363	Valparaiso U.	0	0	6	11	0	0	0	0
364	William Paterson U. NJ	ne	ne	ne	11 i	ne	ne	ne	8 i
365	Eastern WA U.	0	25	10	10	0	0	0	0
366	Kalamazoo C.	0	13	8	10	0	0	0	0
367	CA State U. Chico	151 i	9	9 i	9 i	110 i	9	9 i	9 i
368	Edward Waters C.	ne	ne	ne	9 i	ne	ne	ne	0 i
369	Seattle Pacific U.	ne	ne	ne	9 i	ne	ne	ne	1 i
370	Spelman C.	305	348	159	9	305	348	159	9
371	U. TX of the Permian Basin	ne	ne	ne	9	ne	ne	ne	0
372	VA State U.	0	7	9	9	0	0	0	8
373	CA State Polytechnic U. San Luis Obispo	50	44	37	8	35	44	34	6
374	ID State U.	7	24	9	8	0	0	0	0
375	Abilene Christian U.	0	4	0	7	0	0	0	0
376	TN State U.	7	1	0	7	7	1	0	0
377	Boise State U.	249	0	0	6	224	0	0	0
378	Gettysburg C.	ne	112	29	6	ne	93	24	0
379	Lafayette C.	54	22	16	6	34	9	0	0
380	Mercyhurst C.	ne	ne	6	6	ne	ne	0	0
381	Clarkson U.	0	0 i	4	5	0	0 i	0	0
382	Siena C.	ne	ne	6 i	5 i	ne	ne	6 i	5 i
383	Stephen F. Austin State U.	15	12	21	5	0	0	0	0
384	U. Scranton	7	0	0	5	0	0	0	0
385	U. WI La Crosse	2	3	6	5	0	0	0	0
386	U. WI River Falls	0	0	0	5	0	0	0	0
387	Bates C.	11	4	0	3	0	0	0	0
388	Prairie View A&M U.	42	15	2	3	0	0	0	0
389	Wabash C.	1	0	4	3	0	0	0	0
390	Fairleigh Dickinson U. all campuses	ne	ne	ne	2 i	ne	ne	ne	0 i
391	La Salle U.	0	ne	43	2	0	ne	0	0
392	Murray State U.	4	1	1	2	0	0	0	0
393	Pacific Lutheran U.	0 i	0 i	0 i	2	0 i	0 i	0 i	2
394	Saginaw Valley State U.	0	0	0	2	0	0	0	0
395	U. PR Cayey	ne	ne	ne	2	ne	ne	ne	2
396	U. Puget Sound	0	0	1	2	0	0	0	0
397	U. WI Stevens Point	8	3	2	2	0	0	0	0
398	Bradley U.	0	1	0	1	0	0	0	0
399	Coastal Carolina U.	0	1	0	1	0	0	0	0
400	CUNY Medgar Evers C.	0	0	0	1	0	0	0	0
401	Gustavus Adolphus C.	11	1	2	1	0	0	0	0
402	Roanoke C.	0	0	0	1	0	0	0	0
403	U. Northern CO	34	7	12	1	0	0	0	0

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
404	VA Military Institute	3	15	13	1	0	0	0	0
405	Youngstown State U.	1	0	1	1	0	0	0	0
	All other surveyed institutions	15,606	4,200	1,943	0	14,698	3,318	1,675	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in both total and federally financed R&D expenditures in psychology in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
	All institutions	1,675,804	1,684,816	1,702,092	1,781,410	349,468	337,445	393,404	701,093
1	U. MI all campuses	92,602	89,909	89,913	93,719	15,750	16,426	16,779	44,764
2	U. MD College Park	79,872	76,411	82,936	80,537	5,388	13,671	2,757	58,721
3	U. CA, Berkeley	49,840	48,971	49,930	54,474	18,716	6,457	8,366	20,935
4	OH State U. all campuses	32,793	33,921	40,519	46,746	19,479	3,637	7,980	15,650
5	U. WI Madison	41,686	40,905	41,254	41,626	6,941	3,818	11,912	18,955
6	U. GA	39,138	38,593	37,944	39,957	15,009	5,110	3,124	16,714
7	U. NC Chapel Hill	34,016	34,936	26,700	37,092	66	28	14,306	22,692
8	U. CA, Los Angeles	36,461	34,141	35,661	36,093	1,031	242	4,811	30,009
9	U. PA	38,184	36,185	30,809	33,059	2,653	12,443	6,482	11,481
10	MI State U.	27,952	28,063	34,646	31,722	12,256	3,752	3,023	12,691
11	Cornell U. all campuses	22,395	25,750	26,863	29,431	7,608	3,164	3,678	14,981
12	U. MN all campuses	20,640	21,164	25,285	27,786	10,057	4,618	9,843	3,268
13	U. TX Austin	18,156	29,057	27,880	26,486	405	3,239	6,876	15,966
14	PA State U. all campuses	25,994	24,648	24,533	25,606	1,624	6,310	17,672	0
15	Duke U.	26,865	25,728	23,312	25,470	2,621	15,003	5,485	2,361
16	Rutgers, The State U. NJ all campuses	25,450	27,271	26,160	25,226	820	5,343	6,161	12,902
17	IN U. all campuses	32,037	24,596	31,397	23,789	2,487	10,132	4,329	6,841
18	Harvard U.	17,914	18,364	22,645	23,554	4,979	10,542	590	7,443
19	George Mason U.	9,402	10,151	7,122	22,201	1,581	17,144	767	2,709
20	U. CA, Davis	17,683	22,262	21,085	22,074	5,089	2,912	1,608	12,465
21	U. IL Urbana-Champaign	27,373	22,623	21,107	21,043	7,460	1,074	974	11,535
22	AZ State U.	10,878	13,222	19,957	20,536	2,064	2,560	7,255	8,657
23	WA State U.	11,317	17,735	15,948	20,259	9,388	1,305	3,135	6,431
24	U. AZ	18,212	19,038	23,450	19,747	4,569	235	10,637	4,306
25	U. WA	34,519	16,232	17,564	19,216	9	10,722	4,930	3,555
26	Purdue U. all campuses	16,783	17,806	18,354	19,163	9,824	389	3,744	5,206
27	Princeton U.	27,524	29,601	24,469	19,139	1,436	16,055	962	686
28	GA Institute of Technology all campuses	11,010	10,090	13,089	18,880	13,502	3,062	23	2,293
29	Columbia U. in the City of NY	10,196	11,229	14,344	17,554	1,839	1,435	14,280	0
30	Brandeis U.	12,757	14,264	16,249	17,356	183	135	14,385	2,653
31	IA State U.	17,597	16,384	18,430	17,234	3,347	325	13,446	116
32	FL State U.	15,029	14,626	16,481	17,037	608	7,725	3,323	5,381
33	U. FL	10,482	14,457	15,743	16,701	8,983	190	1,384	6,144
34	U. NE all campuses	14,287	14,916	15,450	15,582	5,351	2,962	3,546	3,723
35	U. Southern ME	8,853 i	11,038 i	13,221	13,897	2,556	8,306	0	3,035
36	NY U.	9,118	8,864	10,832	13,881	1,611	6,879	5,391	0
37	Stanford U.	10,895	13,864	12,352	13,407	1,307	30	912	11,158
38	NC State U.	7,265	7,299	10,406	12,644	4,066	66	4,741	3,771
39	U. MO-Columbia	14,648	12,346	10,657	12,635	7,948	4	417	4,266
40	GA State U.	10,447	10,750	10,421	12,571	8,066	812	737	2,956
41	Clemson U.	11,158	11,207	11,957	12,422	3,791	1,258	1,081	6,292
42	ND State U. all campuses	9,436	10,806	11,598	12,324	3,567	83	28	8,646
43	TX A&M U.	7,937	8,759	9,617	11,729	2,742	1,400	1,081	6,506
44	U. CA, San Diego	12,825	12,607	11,690	11,522	1,396	4,373	4,952	801
45	Brown U.	7,156	8,380	12,937	11,366	2,611	1,143	5,110	2,502
46	U. CA, Irvine	9,303	10,979	10,248	10,551	282	4,779	1,143	4,347

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
47	U. KS all campuses	9,314	9,459	10,417	10,504	680	2,605	5,188	2,031
48	U. IL Chicago	15,037	11,748	11,004	10,471	196	71	3,018	7,186
49	Northwestern U.	9,450	9,292	7,936	9,610	1,356	5,683	879	1,692
50	U. SC all campuses	7,715	7,391	9,586	9,574	1,702	2,522	850	4,500
51	U. South FL	3,567	5,158	8,868	9,544	901	1,831	5,490	1,322
52	U. TN all campuses	11,006	10,980	11,440	9,187	5,549	15	2,577	1,046
53	Boston C.	5,610 e	7,145	7,892	9,029	4,731	39	829	3,430
54	U. Memphis, The	9,193	9,820	8,642	8,999	3,997	382	2,585	2,035
55	SUNY Albany	13,158	13,335	10,975	8,755	4	758	4,207	3,786
56	VA Polytechnic Institute and State U.	6,501	8,399	8,278	8,376	2,248	1,283	1,398	3,447
57	U. CA, Santa Barbara	11,807	12,064	7,565	8,266	274	94	130	7,768
58	Cleveland State U.	6,387	5,227	5,623	8,092	3	3	18	8,068
59	Carnegie Mellon U.	11,799	10,569	8,656	8,051	1,707	2,050	528	3,766
60	U. MA Boston	8,630	10,236	10,114	7,956	729	1,020	273	5,934
61	U. IA	5,240	5,511	6,214	7,932	322	4,167	751	2,692
62	VA Commonwealth U.	1,290	1,654	1,705	7,761	122	7,548	0	91
63	U. Southern CA	11,347	10,037	7,715	7,716	2,045	863	2,040	2,768
64	George Washington U.	11,472	9,156	11,842	7,390	362	4,514	1,176	1,338
65	Georgetown U.	10,649	9,978	8,708	7,372	188	6,664	0	520
66	U. KY all campuses	7,889	6,939	7,870	7,244	3,612	1,453	341	1,838
67	U. ME	4,772	2,673	7,731	7,243	22	12	238	6,971
68	Washington U. St. Louis	4,049	4,999	5,985	7,216	89	597	6,427	103
69	U. CO all campuses	9,923	10,031	8,288	7,141	620	573	4,237	1,711
70	MS State U.	6,580	6,098	4,948	7,100	421	890	1,026	4,763
71	U. NM main campus	12,512	4,905	6,108	6,973	804	643	1,257	4,269
72	U. OR	4,192	4,366	5,037	6,941	1,234	2,988	215	2,504
73	U. MD Baltimore County	4,290	7,425	6,226	6,924	551	3,898	2,141	334
74	LA State U. all campuses	10,171	10,677	7,348	6,867	4,451	342	751	1,323
75	TX Tech U.	7,057	7,825	7,176	6,802	2,160	1,186	1,777	1,679
76	U. DE	6,313	6,394	6,567	6,490	1,288	0	3,566	1,636
77	U. OK all campuses	8,549	8,146	7,334	6,490	562	2,000	1,278	2,650
78	U. TX M. D. Anderson Cancer Ctr.	463	2,817	5,666	6,436	0	0	6,436	0
79	MA Institute of Technology	6,195	6,945	7,098	6,405	2,032	3,087	8	1,278
80	U. HI Manoa	7,407	5,698	6,740	6,354	22	4	332	5,996
81	FL International U.	13,846	16,708	4,600	6,313	77	1,843	254	4,139
82	U. of the VI	1,811	4,638	4,950	6,278	0	0	0	6,278
83	Teachers C. Columbia U.	3,641	4,059	4,320	6,223	4,044	0	0	2,179
84	Portland State U.	7,689 e	10,590	6,488	6,201	313	338	897	4,653
85	SUNY Buffalo all campuses	4,566	3,978	3,374	5,945	1,191	331	363	4,060
86	SUNY Binghamton	3,990	5,554	5,129	5,925	329	722	4,211	663
87	Auburn U. all campuses	2,223	2,495	2,090	5,918	145	0	3,071	2,702
88	San Diego State U.	5,004	6,422	7,038	5,913	357	1,651	916	2,989
89	U. NH	4,299	4,367	4,846	5,903	1,081	26	3,741	1,055
90	Case Western Reserve U.	1,432	1,708	1,976	5,778	459	0	1,003	4,316
91	Tufts U.	5,956	8,419	4,472	5,764	104	4,517	6	1,137
92	U. CT all campuses	6,864	7,813	6,352	5,737	1,361	1,271	2,255	850
93	Wayne State U.	6,425	5,923	6,028	5,584	37	25	413	5,109
94	OK State U. all campuses	7,519	6,140	5,260	5,475	3,052	172	542	1,709

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
95	Vanderbilt U.	5,330	3,375	4,137	5,248	183	4,766	50	249
96	SUNY Stony Brook all campuses	4,150	2,854	3,939	5,190	225	437	3,233	1,295
97	U. of Notre Dame	4,531	4,288	6,793	4,999	183	931	2,606	1,279
98	Naval Postgraduate School	11,962 i	2,927	3,061	4,835	130	4,017	114	574
99	U. WI Milwaukee	7,284	6,247	6,071	4,814	565	16	533	3,700
100	Northeastern U.	2,665	3,325	3,496	4,790	1,038	1,331	399	2,022
101	U. CA, Santa Cruz	3,666	3,443	4,266	4,710	705	68	614	3,323
102	KS State U.	3,844	3,943	4,241	4,704	3,037	97	251	1,319
103	U. TX San Antonio	2,066	3,470	4,861	4,698	218	173	1,861	2,446
104	U. Houston	2,403	4,905	4,510	4,693	275	579	1,620	2,219
105	U. Cincinnati all campuses	3,340	3,655	3,534	4,606	0	378	426	3,802
106	U. MA Amherst	3,010	2,781	2,651	4,421	1,551	350	1,383	1,137
107	Old Dominion U.	869	2,180	2,835	4,358	769	2,129	1,192	268
108	U. Chicago	3,328	5,249	5,361	4,219	484	1,306	289	2,140
109	Miami U. all campuses	2,657 i	2,879 i	3,151 i	3,976 i	72 i	0 i	3,902 i	2 i
110	U. AR Little Rock	0	851	3,817 i	3,974 i	0 i	0 i	106 i	3,868 i
111	CO State U.	3,647	3,135	3,420	3,922	1,724	63	1,408	727
112	Johns Hopkins U., The ^a	3,167	4,875	5,051	3,905	826 i	0 i	1,718 i	1,361 i
113	Tulane U.	3,446	3,382	3,251	3,689	30	3	107	3,549
114	U. Pittsburgh all campuses	4,986	4,050	3,999	3,684	549	877	626	1,632
115	U. AR main campus	3,516	3,862	3,822	3,630	63	24	755	2,788
116	U. Akron all campuses	5,342	4,906	4,810	3,558	16	311	3,231	0
117	UT State U.	2,726	2,208	3,070	3,439	1,361	362	672	1,044
118	U. ID	2,381	1,895	2,435	3,438	1,469	6	213	1,750
119	U. MO-St. Louis	3,580	3,835	3,812	3,370	68	2,189	0	1,113
120	Emory U.	1,670	1,590	2,709	3,101	74	1,249	1,778	0
121	OR State U.	2,636	2,460	2,773	3,017	2,013	0	202	802
122	Southern IL U. Carbondale	1,828	1,644	2,940	2,943	5	627	865	1,446
123	WV U.	3,308	3,063	2,714	2,878	1,771	298	92	717
124	Tuskegee U.	2,325	2,214	2,330	2,866	206	0	0	2,660
125	MT State U. Bozeman	3,014	3,261	2,716	2,826	2,283	291	74	178
126	U.S. Military Academy	0 i	0 i	0 i	2,819	0	32	0	2,787
127	NM State U. main campus	2,551	3,724	2,407	2,698	1,178	173	484	863
128	U. PR Rio Piedras Campus	2,169	2,330	2,399	2,666	175	0	1,932	559
129	Syracuse U. all campuses	7,908	8,992	2,673	2,613	0	2,192	104	317
130	CUNY Hunter C.	3,791	3,649	2,851	2,560	199	271	1,770	320
131	U. WY	1,800 e	2,151	3,660	2,413	1,757	4	370	282
132	Temple U.	3,459	3,101	2,797	2,373	0	1,821	245	307
133	U. CA, Riverside	8,661	1,285	2,145	2,332	401	375	748	808
134	U. MA Lowell	2,582	2,226	2,042	2,303	124	37	0	2,142
135	Fordham U.	1,485	1,293	2,552	2,301	457	0	438	1,406
136	Yale U.	5,496	4,900	3,890	2,281	1,144	29	7	1,101
137	Morehouse C.	255 i	1,623	3,687	2,279	0	0	2,279	0
138	CUNY Graduate Ctr.	761	2,302	1,654	2,266	0	1,583	494	189
139	U. LA Monroe	270	250	2,134	2,239	2,058	0	0	181
140	San Francisco State U.	0 i	5,947	2,979	2,236	143	0	223	1,870
141	U. AL, The	2,458	2,883	1,955	2,163	23	839	222	1,079
142	U. MT-Missoula, The	5,108	3,531	2,158	2,017	1,286	82	146	503
143	Brigham Young U. all campuses	1,939	1,313	1,209	2,005	132	631	193	1,049

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
144	U. Central FL	7,759	4,672	1,257	1,948	222	546	443	737
145	New School, The	2,488	2,474	1,710	1,924	468	292	1,164	0
146	U. AK Anchorage all campuses	0 i	0	3,013	1,886	191	0	89	1,606
147	C. of William and Mary all campuses	1,948	2,076	2,459	1,863	341	1,015	211	296
148	U. TX Dallas	637	1,026	3,346	1,841	0	0	0	1,841
149	OH U. all campuses	1,175	1,672	1,486	1,606	0	923	133	550
150	Eastern WA U.	1,103	1,375	1,621	1,584	17	0	21	1,546
151	American U.	634	397	1,182	1,578	288	1,287	3	0
152	U. Miami	2,524	3,253	2,368	1,543	0	0	1,105	438
153	U. Louisville	1,901	1,522	1,298	1,528	390	23	191	924
154	Bowling Green State U. all campuses	1,421	2,536	1,472	1,525	0	409	1,077	39
155	U. AL Huntsville, The	467	1,061	691	1,481	1,293	188	0	0
156	U. TX El Paso	744	734	1,112	1,443	146	449	256	592
157	CA State U. Fullerton	2,873	2,488	1,471	1,430	3	0	0	1,427
158	Dillard U.	0	0 i	0 i	1,393	0	0	1,393	0
159	U. UT	1,880	2,325	1,924	1,392	67	100	419	806
160	Arcadia U.	ne	5 i	5 i	1,387	0	0	144	1,243
161	East Carolina U.	226	253	385	1,326	208	21	184	913
162	Baylor U.	79	121	209	1,323	0	6	1,317	0
163	NJ Institute of Technology	196	192	480	1,308	0	0	0	1,308
164	U. NC Charlotte	611	1,000	1,002	1,260	39	211	374	636
165	U. DC	1,672	1,039	1,012	1,228	0	0	1,228	0
166	Sul Ross State U.	572	340	843	1,210	0	0	0	1,210
167	Ball State U.	1,142	1,168	924	1,206	6	2	41	1,157
168	Boston U.	1,085	1,360	1,337	1,188	301	13	1	873
169	U. Baltimore	ne	7,754	7,856	1,169	219	14	110	826
170	Bryn Mawr C.	1,304	1,484	1,011	1,158	164	219	207	568
171	SD State U.	2,339	2,050	1,683	1,144	677	0	108	359
172	U. IL Springfield	1,181	1,007	1,016	1,142	3	273	113	753
173	Kent State U. all campuses	427	457	583	1,118	22	124	922	50
174	Morgan State U.	199	137	715	1,088	0	0	0	1,088
175	U. LA Lafayette	958	1,061	1,241	1,080	472	91	417	100
176	SC State U.	1,006	1,076	1,076	1,076	908	0	168	0
177	Wichita State U.	479	585	3,827	1,072	0	72	92	908
178	U. North TX	1,516	1,152	1,364	1,070	206	207	446	211
179	St. Cloud State U.	955	1,209	1,024	1,054	542	89	33	390
180	MI Technological U.	538	697	926	1,034	0	0	3	1,031
181	Western WA U.	215	249	785	1,007	0	652	210	145
182	FL Atlantic U.	813	1,228	878	991	1	0	0	990
183	Northern AZ U.	1,017	1,393	972	990	7	131	604	248
184	Humboldt State U.	508 i	522 i	748	964	6	0	58	900
185	CUNY John Jay C. of Criminal Justice	55	333	181	943	4	0	939	0
186	Loyola C.	111	176	158 i	942	16	0	23	903
187	U. SD	1,540	973	1,163	916	722	29	118	47
188	U. WI Superior	23	0	497	915	915	0	0	0
189	U. CA, Merced	na	0	537	912	0	0	0	912

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
190	U. South AL	969	1,369	856	907	0	86	214	607
191	Andrews U.	177	231	524	900	0	0	604	296
192	U. Tulsa	591	1,077	423	894	0	0	0	894
193	U. NV, Las Vegas	5,939 i	9,297	2,199	879	4	17	786	72
194	U. AK Fairbanks all campuses	1,206	868	894	877 i	0 i	0 i	0 i	877 i
195	Dartmouth C.	1,066	1,050	910	773	361	0	0	412
196	U. VA all campuses	1,501	858	618	772	357	26	138	251
197	Claremont Graduate U.	1,070	780	808	764	206	558	0	0
198	Elizabeth City State U.	0	0	0	757	0	757	0	0
199	ID State U.	787	2,208	308	733	12	0	0	721
200	Southern CT State U.	0	378	325 i	732	0	0	0	732
201	SUNY C. Buffalo	817	52	863	727	0	0	290	437
202	Southern U. and A&M C. all campuses	772	775 i	647	724	0	141	0	583
203	U. MS all campuses	1,700	851	886	723	34	487	185	17
204	Macalester C.	475	409	531	700	92	126	124	358
205	U.S. Air Force Academy	849	524	148	700	427	273	0	0
206	CA State U. Dominguez Hills	63	7	360	698	0	0	694	4
207	Fayetteville State U.	0	406	554	652	0	0	650	2
208	Rice U.	869	870	1,205	641	38	502	27	74
209	East TN State U.	898	552	725	638	130	0	211	297
210	U. TX-Pan American	34	93	193	626	217	1	339	69
211	Morehead State U.	501	674	532	606	0	0	4	602
212	U. NV, Reno	1,040	1,350	1,949	601	192	0	184	225
213	Middle TN State U.	60	492	113	594	554	17	23	0
214	Southern Methodist U.	813	634	587	580	43	49	3	485
215	Northern IL U.	0	424	508	559	0	0	240	319
216	Boise State U.	93	572	101	558	62	367	0	129
217	U. Central AR	218 i	252 i	514 i	536 i	61 i	21 i	165 i	289 i
218	Western MI U.	287	254	585	528	16	1	361	150
219	Lincoln U. (Jefferson City, MO)	0	38	518	525	0	0	525	0
220	U. NC Greensboro	209	414	174	510	267	9	74	160
221	U. Southern MS	1,104	1,156	457	506	0	82	154	270
222	U. MO-Kansas City	417	332	384	503	200	11	99	193
223	Fairfield U.	500	551	522	499	197	122	180	0
224	LA Tech U.	761	565	575	482	406	0	0	76
225	U. West FL	1,355	941	697	454	0	0	0	454
226	Mercyhurst C.	ne	ne	548	445	0	2	0	443
227	Loyola U. Chicago	321	171	186	417	0	4	222	191
228	Clark U.	31 e	199	424	415	109	0	95	211
229	Northeastern IL U.	0	0	16	405	0	3	402	0
230	Southern OR U.	80	131	210	405	0	0	405	0
231	U. ND all campuses	40	68	248	382	41	0	244	97
232	Western Carolina U.	1,003	601	17	380	339	17	0	24
233	Colgate U.	114	79	112	377	64	232	28	53
234	U. AL Birmingham, The	983	433	477	377	0	20	162	195
235	U.S. Naval Academy	70	126	275	374	143	231	0	0
236	Union C. (Schenectady, NY)	2,120	799	138	371	46	201	39	85
237	U. Northern IA	376	343	355	367	2	0	365	0

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
238	Amherst C.	302	256	396	355	55	162	100	38
239	St. Louis U. all campuses	102 e	112	22	355	0	0	39	316
240	U. North FL	592	319	615	351	0	151	89	111
241	Desert Research Institute	0	2,234	1,191	346	0	0	0	346
242	Pomona C.	241	433	385	343	123	119	52	49
243	CA State U. East Bay	119 i	350	258	332	100	217	15	0
244	San Jose State U.	115	304	286	332	0	0	0	332
245	Polytechnic U.	312	196	145	329	0	0	0	329
246	U. Hartford	291	274	341	328	0	0	328	0
247	U. MA Dartmouth	299	259	567	301	120	150	31	0
248	IL State U.	301	189	105	300	233	25	15	27
249	Southern IL U. Edwardsville	4,478	3,439	1,093	299	176	0	123	0
250	U. TX Arlington	976	499	764	297	16	0	0	281
251	Occidental C.	909 i	797	434	296	0	0	1	295
252	U. NC Asheville	281	17	139	293	290	0	0	3
253	Wake Forest U.	0	404	228	291	0	0	291	0
254	Williams C.	213 i	233 i	274 i	271 i	27 i	20 i	96 i	128 i
255	U. Toledo	254	197	717	269	45	7	21	196
256	Wesleyan U.	85	86	407	269	69	177	23	0
257	Western IL U.	197	134	247	254	0	0	214	40
258	CUNY Baruch C.	191	182	247	251	91	0	160	0
259	SUNY C. Cortland	91	77	57	250	0	0	250	0
260	IN State U. all campuses	453	360	330	247	0	0	3	244
261	Jackson State U.	343	186	308	244	244	0	0	0
262	Northern KY U.	147	172	221	242	0	13	229	0
263	Catholic U. America, The	500	534	179	234	46	0	188	0
264	Rochester Institute of Technology	127	261	602	234	44	0	0	190
265	St. Joseph's U.	344	174	404	234	0	0	0	234
266	Rensselaer Polytechnic Institute	1,360	672	435	231	66	0	0	165
267	Lehigh U.	47	85	31	223	18	0	205	0
268	Eastern MI U.	69	329	388	218	0	79	139	0
269	U. Rochester	643	566	459	218	130	0	0	88
270	CUNY Queens C.	263	148	331	216	59	7	131	19
271	CA State U. San Bernardino	1,025	514	593	215	0	32	108	75
272	U. PR Mayaguez Campus	201	224	249	210	0	0	210	0
273	Black Hills State U.	0	0	105	208	4	0	148	56
274	Chapman U.	242	244	198	202	199	0	0	3
275	Simmons C.	545	183	228	202	22	0	180	0
276	CA State U. Chico	887 i	185	194 i	198 i	0 i	0 i	6 i	192 i
277	CA State U. Northridge	653	575	184	197	0	0	0	197
278	C. Charleston	343	173	181	196	43	119	34	0
279	Wellesley C.	285	424	319	195	55	5	51	84
280	C. NJ, The	200 i	163 i	98	193	8	54	131	0
281	Mt. Holyoke C.	56	146	97	193	15	0	178	0
282	Appalachian State U.	74	167	220	188	81	0	6	101
283	Central MI U.	242	55	201	186	55	69	45	17
284	U. of the Sciences Philadelphia	0	0	0	180	0	0	138	42
285	U. CA Office of the President	1,833	165	170	175	0	0	0	175
286	Franklin & Marshall C.	51	135	129	174	54	21	36	63

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
287	Marquette U.	563	387	146	174	0	0	99	75
288	James Madison U.	179	220	444	173	123	0	50	0
289	U. VT	232	131	288	165	0	39	0	126
290	Bowdoin C.	50	34	88	161	72	1	88	0
291	Long Island U. all campuses	0	11	156	160 i	3 i	19 i	0 i	138 i
292	Calvin C.	195	122	79	158	53	53	52	0
293	Smith C.	72	76	55	155	20	72	34	29
294	CA State U. Los Angeles	217	418	272	152	0	89	3	60
295	Central CT State U.	248	110	229	152	0	0	104	48
296	U. NC Wilmington	237	78	426	151	35	35	76	5
297	U. Puget Sound	217	118	192	147	0	2	145	0
298	Gettysburg C.	ne	46	105	146	10	11	32	93
299	U. WI La Crosse	605	82	0	145	20	0	125	0
300	Middlebury C.	0 i	0 i	0 i	144	0	0	144	0
301	U. Northern CO	635	397	197	144	6	0	25	113
302	CUNY C. Staten Island	19	18	58	142	0	99	42	1
303	Roanoke C.	30	132	98	142	131	0	1	10
304	Wright State U. all campuses	82	114	55	140	20	0	0	120
305	Northwestern State U.	67 i	69 i	212	139	0	0	0	139
306	TX State U. San Marcos	319	160	140	136	0	0	0	136
307	Loma Linda U.	3	0	217	133	0	0	133	0
308	U. TX of the Permian Basin	ne	ne	ne	132	66	66	0	0
309	Pitzer C.	97	84	109	130	25	25	26	54
310	Hobart and William Smith Colleges	ne	ne	ne	128	128	0	0	0
311	Colby C.	447	130	273	124	50	36	9	29
312	St. Mary's C. MD	0	3	7	120	0	0	0	120
313	Swarthmore C.	354	150	186	117	33	23	17	44
314	U. Denver	311	111	190	117	0	51	15	51
315	Central State U.	34 i	79	116	116	0	116	0	0
316	VA State U.	0	0	0	111	0	0	111	0
317	Towson U.	114	1,223	102	105	24	0	8	73
318	Winona State U.	ne	ne	ne	105	65	14	24	2
319	Indiana U. PA all campuses	242	372	237	102	7	2	77	16
320	U. San Francisco	323	38	90	100	20	0	80	0
321	CA State U. Bakersfield	365 i	758	828	99	0	0	0	99
322	Hamilton C. (Clinton, NY)	237	138	134	99	99	0	0	0
323	NC Agricultural and Technical State U.	709	1,046	268	93	67	0	0	26
324	Lake Forest C.	66	0	49	92	50	32	10	0
325	Grinnell C.	104	27	73	90	21	15	21	33
326	Villanova U.	47 i	54 i	60 i	86	68	1	17	0
327	Central WA U.	312	741	352	85	0	0	85	0
328	Pacific Lutheran U.	0 i	0 i	0 i	85	4	0	17	64
329	Sam Houston State U.	747 i	117	20	84	0	0	47	37
330	Carleton C.	3	0	0	81	0	0	0	81
331	Norfolk State U.	0	0	79	80	80	0	0	0
332	CUNY Brooklyn C.	304	329	71	76	23	0	53	0
333	AL State U.	62	73	73	73	0	0	0	73
334	IL Wesleyan U.	ne	24	11	73	3	50	0	20

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
335	U. Portland	8	14	13	71	0	0	71	0
336	Skidmore C.	81	77	47	70	0	0	70	0
337	Vassar C.	169 i	225 i	107	66	0	0	0	66
338	CA State Polytechnic U. San Luis Obispo	111	129	104	65	39	0	26	0
339	MT State U. Billings	ne	35 i	104	65	0	0	65	0
340	Hofstra U.	0 i	0 i	26	63	7	5	51	0
341	TX A&M U. Corpus Christi	53	65	144	62	20	0	30	12
342	Gallaudet U.	57	64	54	60	0	0	60	0
343	DePaul U.	293	312	254	59	0	3	55	1
344	Sonoma State U.	0	17	31	57	8	5	18	26
345	Southwest MO State U.	29	19	9	55	15	10	5	25
346	CA State U. Long Beach	355	122	39	54	54	0	0	0
347	Loyola Marymount U.	1	48	56	53	24	5	0	24
348	C. Wooster	0 i	0 i	0 i	52	0	12	0	40
349	CUNY The City C.	101	172	269	52	30	13	9	0
350	Duquesne U.	125	114	145	51	0	5	46	0
351	Claremont McKenna C.	ne	ne	ne	50 i	3 i	0 i	40 i	7 i
352	Jacksonville U.	ne	ne	41	50	0	0	50	0
353	Rowan U.	173	177	110	48	0	34	14	0
354	TX Woman's U.	22	15	7	48	0	0	48	0
355	Millsaps C.	ne	12 i	0	47	0	0	47	0
356	U. WI Stevens Point	27	15	50	47	1	8	7	31
357	Allegheny C.	118	54	35	46	5	41	0	0
358	La Salle U.	77	ne	50	45	45	0	0	0
359	SUNY C. Old Westbury	55	0	8	45	1	41	3	0
360	CUNY Herbert H. Lehman C.	63	79	150	43	0	0	43	0
361	CA State U. Fresno	57	38	119	40 i	0 i	0 i	0 i	40 i
362	Siena C.	ne	ne	38 i	38 i	5 i	1 i	1 i	31 i
363	West TX A&M U.	101	60	72	38	0	0	0	38
364	Clark Atlanta U.	544	221	473	37	30	0	7	0
365	CO School of Mines	12	29	25	37	37	0	0	0
366	U. HI Hilo	0	59	0	37	0	0	37	0
367	Bridgewater State C.	168	18	27	35 i	0 i	19 i	16 i	0 i
368	U. of the South	ne	77	33	35	0	35	0	0
369	C. of the Holy Cross	7	28	14	34	0	33	1	0
370	Murray State U.	781	203	580	34	34	0	0	0
371	U. of the Pacific	191	87	0	34	0	0	0	34
372	Lewis and Clark C.	24	0	19	32	13	13	0	6
373	Northern MI U.	63 i	67 i	70 i	32	0	0	32	0
374	U. West GA	30	30	30	30	0	0	30	0
375	U. WI Parkside	0	19	28	30	0	0	28	2
376	Wheeling Jesuit U.	25 i	28 i	29 i	30	0	0	0	30
377	CT C.	333 i	384	125	29	0	29	0	0
378	Oberlin C.	0	0	88	27	0	0	20	7
379	U. Richmond	87	84	179	27	14	8	5	0
380	AR State U. main campus	0	0	23	26	25	0	1	0
381	Stephen F. Austin State U.	93	38	46	26	4	0	19	3
382	Sweet Briar C.	ne	ne	ne	26	0	0	8	18

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
383	U. AK Southeast all campuses	62 i	3	15	26	0	0	0	26
384	Barnard C.	67 e	70	11	25	25	0	0	0
385	Eastern KY U.	27	40	252	25	0	0	0	25
386	Haverford C.	29 i	19 i	21 i	25 i	18 i	2 i	5 i	0 i
387	Santa Clara U.	ne	25 i	25 i	25 i	3 i	7 i	8 i	7 i
388	U. Detroit Mercy	0 e	0 i	25	25 i	0 i	0 i	0 i	25 i
389	Dickinson C.	204	43	18	24	0	12	9	3
390	TX Christian U.	22	22	18	24	3	4	3	14
391	U. GU	516	466 i	24	24	0	0	0	24
392	U. Houston-Clear Lake	3	2	7	23	0	0	23	0
393	NY Institute of Technology all campuses	0	460	87	22	0	0	3	19
394	Rider U.	19	1	0	22	0	0	0	22
395	Trinity U.	0	1	5	22	0	22	0	0
396	Hampshire C.	832	789	0	21	0	0	0	21
397	Mills C.	ne	ne	21 i	21 i	3 i	1 i	3 i	14 i
398	Seton Hall U.	38	99	30	21	0	21	0	0
399	Spelman C.	0	0	8	21	0	0	21	0
400	Bard C.	ne	9 i	ne	20 i	1 i	0 i	16 i	3 i
401	SUNY C. Geneseo	24	21	15	20	0	3	12	5
402	U. WI Eau Claire	16	26	40	20	0	5	3	12
403	U. WI River Falls	7	9	55	20	20	0	0	0
404	U. WI Whitewater	24	6	16	20	20	0	0	0
405	Drake U.	71	17	39	19	7	7	5	0
406	U. Dayton	6	56	10	19	0	8	11	0
407	U. RI	98	22	35	19	0	0	0	19
408	U. MO-Rolla	55	31	23	18	15	3	0	0
409	U. of St. Thomas (St. Paul, MN)	0	0	1	18	18	0	0	0
410	Worcester Polytechnic Institute	202	344	267	18	0	0	0	18
411	Bradley U.	8	1	13	17	0	0	4	13
412	Grand Valley State U.	168	161	113	17	0	0	17	0
413	SUNY C. of Environmental Science and Forestry	192 i	117 i	179 i	17	17	0	0	0
414	Trinity C. (Hartford, CT)	72	84	33	17	2	12	3	0
415	Davidson C.	37 i	40 i	43	16	0	0	16	0
416	Tarleton State U.	0	13	0	16	0	8	1	7
417	TX Southern U.	0	0	0	16	0	0	0	16
418	Embry-Riddle Aeronautical U.	0	75	59 i	15	0	0	0	15
419	TX A&M U. System Health Science Ctr.	0	84	86	15	0	0	15	0
420	Saginaw Valley State U.	0	5	139	14	1	3	0	10
421	Denison U.	52	49 i	10	13	1	3	1	8
422	Eastern IL U.	0 i	0 i	0 i	12	4	4	4	0
423	Edward Waters C.	ne	ne	ne	12 i	2 i	1 i	7 i	2 i
424	Seattle Pacific U.	ne	ne	ne	12 i	2 i	1 i	7 i	2 i
425	U.S. Coast Guard Academy	0	0	2	12	12	0	0	0
426	Ft. Lewis C.	10	7	95	11	0	0	0	11
427	SUNY Fredonia	0	0	0	11	0	11	0	0
428	Lamar U.	0	0	0	10	0	0	2	8

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
429	Muhlenberg C.	ne	0	0	10	0	10	0	0
430	U. MD Eastern Shore	0	0	0	10	0	0	10	0
431	William Paterson U. NJ	ne	ne	ne	10 i	2 i	1 i	3 i	4 i
432	MN State U. Mankato	61 i	22	85	9	0	3	6	0
433	Ithaca C.	4	11	15	8	0	4	4	0
434	Coastal Carolina U.	0	0	0	7	0	0	0	7
435	TN Technological U.	0	4	6	7	0	7	0	0
436	U. TX Tyler	ne	0	45	7	0	0	7	0
437	Eastern OR U.	10	88	0	5	0	0	5	0
438	Kalamazoo C.	0	10	10	5	1	2	2	0
439	DePauw U.	3 i	3 i	4 i	4 i	0 i	2 i	2 i	0 i
440	Fairleigh Dickinson U. all campuses	ne	ne	ne	4 i	1 i	1 i	1 i	1 i
441	Hope C.	0	0	0	4	0	0	4	0
442	Lafayette C.	1	107	0	4	0	0	4	0
443	Loyola U. New Orleans	17 i	19	8	4	0	0	4	0
444	Rockefeller U.	0	0	0	4	0	0	4	0
445	Troy U. main campus	ne	ne	9	4	0	0	0	4
446	U. AR Pine Bluff	275	196	15	4	0	0	4	0
447	U. Scranton	3	26	6	4	4	0	0	0
448	U. WI Oshkosh	10	18	32	4	0	4	0	0
449	CO State U. Pueblo	1	12	0	3	0	0	0	3
450	Northeastern State U.	225 i	3	0	3	0	0	3	0
451	Southeastern LA U.	1	38	12	3	0	0	3	0
452	SUNY C. Oswego	48	66	77	3	0	0	3	0
453	U. WI Green Bay	118	141	77	3	0	0	0	3
454	Bucknell U.	0	41	9	2	0	0	2	0
455	Clarkson U.	0	0 i	28	2	0	0	2	0
456	McNeese State U.	1	2	2	2	0	0	0	2
457	Reed C.	196	59	62	2	2	0	0	0
458	Western CT State U.	ne	ne	ne	2	0	0	0	2
459	AL A&M U.	237	11	0	1	1	0	0	0
460	CUNY York C.	0	6	19	1	0	0	1	0
461	Mercer U. all campuses	8	15	41	1	0	0	1	0
462	Prairie View A&M U.	61	14	0	1	0	0	1	0
463	Wabash C.	9	43	3	1	1	0	0	0
464	Western KY U.	17	60	0	1	0	0	1	0
All other surveyed institutions		6,219	4,101	4,054	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$213,000 in total R&D expenditures in the social sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007							Social sciences, nec
		2004	2005	2006	All social sciences	Economics	Political sciences	Sociology	
	All institutions	696,984	697,574	711,700	755,300	124,802	129,141	206,012	295,345
1	U. MI all campuses	49,887	54,590	53,336	58,308	14,472	9,167	10,782	23,887
2	U. MD College Park	32,131	35,852	48,459	51,032	642	4,486	1,061	44,843
3	OH State U. all campuses	23,454	24,064	26,644	31,357	15,551	2,146	5,168	8,492
4	U. NC Chapel Hill	24,061	23,281	17,340	23,387	0	1	11,166	12,220
5	U. WI Madison	19,753	22,408	21,273	20,968	3,313	278	7,172	10,205
6	U. PA	17,765	16,834	16,011	17,423	1,736	3,973	3,370	8,344
7	Duke U.	19,525	19,034	16,337	17,047	1,112	10,649	4,161	1,125
8	George Mason U.	6,571	7,452	3,669	16,910	5	15,839	213	853
9	U. TX Austin	10,070	13,821	12,565	14,156	357	2,680	4,972	6,147
10	MI State U.	12,096	12,982	13,127	12,567	6,272	591	905	4,799
11	U. MN all campuses	7,956	8,913	9,952	11,346	1,971	715	8,244	416
12	Columbia U. in the City of NY	6,015	6,226	8,638	10,855	563	248	10,044	0
13	PA State U. all campuses	9,852	9,153	9,787	10,636	624	2,995	7,017	0
14	IA State U.	10,522	8,776	12,074	10,620	831	0	9,789	0
15	Harvard U.	8,076	9,755	11,453	9,362	4,799	1,490	218	2,855
16	AZ State U.	3,265	5,066	8,016	9,186	198	955	5,317	2,716
17	Cornell U. all campuses	7,247	7,833	10,026	9,171	1,376	1,856	476	5,463
18	Brandeis U.	6,264	6,499	7,554	9,048	162	0	8,616	270
19	U. Southern ME	5,851 i	7,311 i	8,777	8,533	656	5,693	0	2,184
20	U. CA, Berkeley	6,724	7,351	8,019	8,094	3,269	302	2,020	2,503
21	U. WA	24,775	6,230	6,500	7,705	0	1,448	3,606	2,651
22	U. AZ	9,161	7,169	11,139	7,571	735	0	5,251	1,585
23	ND State U. all campuses	6,627	6,472	6,641	7,158	1,023	47	0	6,088
24	Princeton U.	5,755	6,577	7,479	6,772	554	6,125	91	2
25	Stanford U.	4,217	6,185	5,964	6,545	754	29	516	5,246
26	Carnegie Mellon U.	9,376	8,738	6,847	6,538	1,018	1,590	522	3,408
27	FL State U.	6,833	6,811	6,770	6,492	428	2,137	1,511	2,416
28	Rutgers, The State U. NJ all campuses	3,916	6,143	5,802	6,429	125	216	2,140	3,948
29	U. of the VI	1,811	4,638	4,950	6,278	0	0	0	6,278
30	U. CA, Los Angeles	7,426	6,947	6,507	5,968	11	21	1,130	4,806
31	U. CO all campuses	7,919	8,194	6,497	5,630	384	347	3,512	1,387
32	NY U.	4,567	5,147	4,061	5,622	1,478	1,426	2,718	0
33	U. KS all campuses	4,565	4,881	5,930	5,500	0	1,120	2,755	1,625
34	U. IL Urbana-Champaign	6,155	5,505	5,735	5,338	2,268	143	128	2,799
35	U. OR	2,757	3,018	3,938	4,870	951	1,921	112	1,886
36	GA State U.	3,426	3,517	3,974	4,869	3,151	116	243	1,359
37	Naval Postgraduate School	10,911 i	2,352	3,059	4,819	114	4,017	114	574
38	SUNY Albany	4,886	4,918	4,166	4,652	0	438	2,168	2,046
39	U. IL Chicago	6,697	4,614	4,792	4,605	15	0	2,096	2,494
40	U. SC all campuses	4,068	3,347	4,693	4,546	812	399	411	2,924
41	NC State U.	2,244	2,527	3,680	4,504	984	28	2,273	1,219
42	U. NE all campuses	4,335	4,681	5,026	4,472	347	1,383	2,185	557
43	U. HI Manoa	5,483	3,894	5,071	4,404	22	4	149	4,229
44	U. CA, Davis	2,191	2,742	2,634	4,393	426	386	893	2,688
45	U. MO-Columbia	5,214	4,201	4,642	4,358	3,958	0	20	380
46	FL International U.	10,440	11,184	4,437	4,319	75	1,203	158	2,883
47	Vanderbilt U.	3,834	2,533	3,223	4,294	160	3,964	31	139

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
48	IN U. all campuses	5,966	6,551	7,467	4,108	47	1,796	1,684	581
49	U. ME	2,460	780	4,043	4,103	0	0	139	3,964
50	Boston C.	2,976 e	2,200	2,822	4,034	2,718	0	110	1,206
51	WA State U.	3,018	5,418	4,594	4,032	2,566	410	738	318
52	Portland State U.	5,014 e	6,257	3,924	3,986	15	14	488	3,469
53	Northwestern U.	3,005	3,635	3,426	3,970	606	2,932	204	228
54	U. Chicago	3,256	4,469	5,081	3,953	366	1,290	286	2,011
55	U. Memphis, The	2,921	2,833	3,573	3,933	1,729	14	1,838	352
56	Purdue U. all campuses	5,103	5,679	4,518	3,869	2,010	142	1,599	118
57	Washington U. St. Louis	3,348	3,161	3,721	3,805	89	529	3,124	63
58	U. Southern CA	4,397	3,717	3,920	3,751	1,600	0	1,450	701
59	U. CA, San Diego	4,441	4,622	4,854	3,710	172	1,434	2,043	61
60	Clemson U.	4,975	4,671	4,242	3,708	838	173	88	2,609
61	Case Western Reserve U.	1,374	1,536	1,436	3,693	35	0	995	2,663
62	TX A&M U.	2,100	2,453	2,553	3,676	240	773	864	1,799
63	U. TX M. D. Anderson Cancer Ctr.	157	1,866	3,070	3,654	0	0	3,654	0
64	U. NH	2,802	3,232	3,223	3,613	701	0	2,227	685
65	U. CA, Irvine	3,467	3,824	3,269	3,410	96	1,459	270	1,585
66	U. FL	1,745	2,537	3,096	3,341	1,341	92	1,112	796
67	Tulane U.	2,446	2,835	3,179	3,338	30	2	46	3,260
68	GA Institute of Technology all campuses	2,812	2,142	3,200	3,322	1,425	1,466	20	411
69	U. South FL	1,477	1,541	3,380	3,311	118	0	2,856	337
70	MS State U.	2,614	1,867	1,301	3,114	0	71	244	2,799
71	U. DE	3,675	3,342	3,420	3,101	278	0	2,493	330
72	U. Houston	1,537	3,189	2,916	3,086	214	238	1,192	1,442
73	CO State U.	2,152	1,748	2,685	3,014	1,242	46	1,189	537
74	TX Tech U.	1,279	2,246	2,576	2,932	1,000	105	1,217	610
75	MA Institute of Technology	1,898	2,093	3,026	2,908	621	1,535	8	744
76	U. Pittsburgh all campuses	3,939	3,222	3,254	2,897	429	695	414	1,359
77	U. TN all campuses	1,423	1,898	2,643	2,858	1,467	1	586	804
78	Brown U.	1,426	1,627	3,048	2,745	49	114	2,330	252
79	U.S. Military Academy	0 i	0 i	0 i	2,648	0	10	0	2,638
80	Johns Hopkins U., The ^a	2,151	3,552	3,274	2,610	758 i	0 i	1,439 i	413 i
81	Auburn U. all campuses	807	1,154	1,301	2,586	145	0	261	2,180
82	U. IA	920	1,432	1,156	2,496	28	2,040	65	363
83	SUNY Binghamton	1,909	2,241	1,840	2,495	113	224	2,035	123
84	U. CT all campuses	3,447	3,393	3,121	2,440	643	428	1,222	147
85	U. NM main campus	8,451	2,370	2,538	2,423	602	343	615	863
86	George Washington U.	4,564	5,427	2,959	2,290	276	764	1,023	227
87	U. MA Boston	1,919	1,774	2,073	2,264	39	279	80	1,866
88	U. GA	4,093	3,310	2,098	2,252	1,069	342	131	710
89	U. KY all campuses	2,091	2,060	2,144	2,249	999	420	258	572
90	Morehouse C.	255 i	1,544	3,613	2,236	0	0	2,236	0
91	VA Polytechnic Institute and State U.	1,580	3,141	2,708	2,182	421	121	529	1,111
92	NM State U. main campus	1,969	2,918	1,704	2,170	1,011	22	417	720
93	U. WI Milwaukee	4,390	3,305	2,972	2,164	103	0	272	1,789
94	Wayne State U.	1,490	1,232	1,822	2,118	0	0	24	2,094

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
95	Teachers C. Columbia U.	1,127	689	423	2,053	1,906	0	0	147
96	U. CA, Santa Barbara	5,169	5,210	1,707	2,036	0	0	2	2,034
97	U. MD Baltimore County	1,396	2,461	3,115	1,983	0	536	1,140	307
98	U. ID	867	453	937	1,961	464	0	14	1,483
99	Tuskegee U.	1,536	1,463	1,525	1,876	206	0	0	1,670
100	VA Commonwealth U.	796	595	850	1,844	59	1,782	0	3
101	LA State U. all campuses	1,706	2,166	2,565	1,753	1,043	44	385	281
102	Old Dominion U.	236	295	591	1,576	0	1,234	155	187
103	U. MA Amherst	757	885	755	1,532	132	241	536	623
104	U. TX San Antonio	261	522	1,514	1,506	148	115	172	1,071
105	KS State U.	1,382	1,615	1,308	1,505	1,136	5	107	257
106	U. Cincinnati all campuses	1,076	918	913	1,502	0	25	133	1,344
107	SUNY Buffalo all campuses	1,439	1,165	964	1,478	31	48	108	1,291
108	UT State U.	963	960	1,507	1,470	428	194	178	670
109	U. OK all campuses	2,412	2,401	2,343	1,429	0	5	1,066	358
110	Dillard U.	0	0 i	0 i	1,393	0	0	1,393	0
111	Syracuse U. all campuses	7,012	7,709	960	1,382	0	1,086	60	236
112	MT State U. Bozeman	1,678	1,897	1,390	1,374	1,029	254	49	42
113	U. AL, The	1,626	1,870	690	1,356	0	832	126	398
114	OK State U. all campuses	2,324	1,409	1,435	1,346	358	38	68	882
115	CA State U. Fullerton	2,830	2,400	1,381	1,333	0	0	0	1,333
116	Bowling Green State U. all campuses	808	1,249	915	1,328	0	334	994	0
117	U. Akron all campuses	1,104	1,009	1,064	1,202	0	241	961	0
118	U. Central FL	738	462	822	1,164	195	282	155	532
119	U. Miami	2,337	3,026	2,247	1,123	0	0	1,103	20
120	SC State U.	1,006	1,076	1,076	1,076	908	0	168	0
121	U. DC	1,540	787	879	1,070	0	0	1,070	0
122	OR State U.	1,146	891	1,097	1,060	296	0	59	705
123	U. AK Anchorage all campuses	0 i	0	1,672	1,041	134	0	89	818
124	Morgan State U.	65	97	704	1,035	0	0	0	1,035
125	U. WY	672 e	870	825	1,012	472	0	307	233
126	Georgetown U.	803	1,063	906	991	187	804	0	0
127	U. MO-St. Louis	469	811	1,124	980	0	37	0	943
128	Cleveland State U.	431	416	473	976	0	0	17	959
129	U. CA, Santa Cruz	491	605	858	969	227	0	60	682
130	U. MT-Missoula, The	3,432	2,631	958	957	731	0	0	226
131	San Francisco State U.	0 i	249	1,063	945	0	0	0	945
132	U. CA, Riverside	3,961	801	797	900	132	48	637	83
133	Northeastern U.	444	680	451	892	0	56	132	704
134	U. WI Superior	3	0	496	891	891	0	0	0
135	U. MA Lowell	1,864	1,598	899	888	44	0	0	844
136	Yale U.	979	1,033	1,062	876	747	23	7	99
137	U. IL Springfield	465	747	714	872	0	184	55	633
138	U. LA Monroe	0	0	1,250	865	865	0	0	0
139	Wichita State U.	314	304	2,640	857	0	0	19	838
140	Miami U. all campuses	484 i	756 i	743 i	845 i	0 i	0 i	845 i	0 i
141	San Diego State U.	67	720	812	813	2	714	0	97
142	Temple U.	1,312	899	694	797	0	532	10	255

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
143	U. AL Huntsville, The	374	752	492	791	631	160	0	0
144	CUNY Graduate Ctr.	0	977	1,080	783	0	240	448	95
145	Boston U.	578	852	1,046	778	291	13	0	474
146	U. UT	223	251	587	764	6	0	338	420
147	Elizabeth City State U.	0	0	0	757	0	757	0	0
148	Kent State U. all campuses	228	254	407	751	0	16	722	13
149	American U.	505	347	522	740	61	679	0	0
150	U. TX Dallas	246	121	742	715	0	0	0	715
151	U. AR main campus	990	995	568	704	0	0	588	116
152	U.S. Air Force Academy	445	212	148	700	427	273	0	0
153	SUNY Stony Brook all campuses	1,594	811	1,028	699	171	123	181	224
154	U. VA all campuses	1,158	598	504	690	351	0	116	223
155	WV U.	1,435	1,114	698	684	432	171	5	76
156	U. of Notre Dame	1,319	1,227	2,091	663	40	148	86	389
157	Fayetteville State U.	0	406	554	650	0	0	650	0
158	Baylor U.	69	90	30	644	0	0	644	0
159	Western WA U.	65	69	502	565	0	367	118	80
160	Ball State U.	828	1,005	672	550	0	0	33	517
161	CUNY John Jay C. of Criminal Justice	0	0	1	536	0	0	536	0
162	Lincoln U. (Jefferson City, MO)	0	38	518	525	0	0	525	0
163	ID State U.	513	397	213	517	0	0	0	517
164	U. Louisville	713	522	488	514	95	0	76	343
165	Morehead State U.	497	667	497	508	0	0	0	508
166	C. of William and Mary all campuses	585	584	930	499	14	360	13	112
167	Boise State U.	34	531	81	496	58	309	0	129
168	OH U. all campuses	315	751	709	486	0	465	19	2
169	U. AK Fairbanks all campuses	329	419	476	482 i	0 i	0 i	0 i	482 i
170	SUNY C. Buffalo	562	52	736	471	0	0	235	236
171	U. NV, Reno	239	575	685	456	156	0	178	122
172	Rice U.	329	373	704	451	38	357	3	53
173	Dartmouth C.	605	416	394	448	137	0	0	311
174	Emory U.	444	343	508	432	0	31	401	0
175	Southern IL U. Carbondale	356	158	950	432	0	0	140	292
176	CUNY Hunter C.	516	218	340	428	0	10	234	184
177	Southern U. and A&M C. all campuses	543	536 i	168	403	0	0	0	403
178	East Carolina U.	145	138	300	389	130	0	132	127
179	Southern CT State U.	0	106	92 i	389	0	0	0	389
180	Western Carolina U.	273	499	17	375	334	17	0	24
181	U.S. Naval Academy	60	121	275	374	143	231	0	0
182	Brigham Young U. all campuses	636	565	418	370	0	140	134	96
183	Northern IL U.	0	289	340	360	0	0	83	277
184	U. NC Greensboro	77	139	86	356	214	0	72	70
185	Desert Research Institute	0	2,108	1,179	346	0	0	0	346
186	U. MS all campuses	1,022	89	166	345	0	293	35	17
187	SD State U.	1,494	876	588	342	171	0	44	127
188	Polytechnic U.	0	0	0	329	0	0	0	329

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
189	U. TX-Pan American	0	0	34	323	0	0	296	27
190	U. North TX	382	368	494	311	1	116	167	27
191	Western MI U.	64	170	249	303	1	0	180	122
192	U. West FL	285	471	103	295	0	0	0	295
193	U. Baltimore	ne	2,255	1,757	286	0	14	110	162
194	U. MO-Kansas City	170	109	107	284	99	0	0	185
195	U. NV, Las Vegas	2,930 i	4,566	640	277	4	0	213	60
196	NJ Institute of Technology	32	48	99	274	0	0	0	274
197	MI Technological U.	26	94	161	250	0	0	1	249
198	U. Southern MS	1,095	1,127	384	248	0	0	27	221
199	Clark U.	30 e	143	267	246	81	0	0	165
200	U. Tulsa	6	343	272	239	0	0	0	239
201	St. Cloud State U.	356	252	261	234	204	0	29	1
202	St. Joseph's U.	0	0	361	234	0	0	0	234
203	Colgate U.	18	27	55	229	30	155	0	44
204	Andrews U.	6	0	36	225	0	0	210	15
205	Northern AZ U.	490	857	205	212	0	42	121	49
206	Rensselaer Polytechnic Institute	1,114	504	353	210	65	0	0	145
207	Tufts U.	213	181	283	207	77	129	0	1
208	Jackson State U.	312	158	248	205	205	0	0	0
209	Black Hills State U.	0	0	0	204	0	0	148	56
210	Lehigh U.	0	0	9	204	0	0	204	0
211	U. South AL	607	874	209	199	0	1	198	0
212	CA State U. Northridge	351	401	40	186	0	0	0	186
213	U. Rochester	550	451	337	183	104	0	0	79
214	Loyola U. Chicago	86	106	92	181	0	3	79	99
215	Mercyhurst C.	ne	ne	310	172	0	0	0	172
216	Occidental C.	637 i	522	272	171	0	0	0	171
217	Northern KY U.	110	112	162	169	0	0	169	0
218	Rochester Institute of Technology	107	205	502	166	31	0	0	135
219	U. AL Birmingham, The	904	411	440	166	0	14	150	2
220	Sul Ross State U.	43	66	69	163	0	0	0	163
221	Fordham U.	150	294	393	159	0	0	159	0
222	U. CA, Merced	na	0	154	154	0	0	0	154
223	IL State U.	76	88	5	153	153	0	0	0
224	U. LA Lafayette	189	149	342	151	18	0	133	0
225	Arcadia U.	ne	5 i	5 i	144	0	0	144	0
226	Middlebury C.	0 i	0 i	0 i	144	0	0	144	0
227	U. Puget Sound	209	118	192	143	0	0	143	0
228	Southern Methodist U.	211	225	162	141	42	40	0	59
229	St. Louis U. all campuses	73 e	78	22	137	0	0	39	98
230	Central CT State U.	110	110	153	132	0	0	84	48
231	Amherst C.	114	98	127	130	0	67	63	0
232	Claremont Graduate U.	104	82	143	128	0	128	0	0
233	Hobart and William Smith Colleges	ne	ne	ne	128	128	0	0	0
234	Mt. Holyoke C.	0	0	10	128	15	0	113	0
235	U. NC Asheville	9	16	139	125	122	0	0	3
236	U. SD	726	202	170	124	47	0	77	0
237	U. Toledo	151	68	443	124	0	0	0	124

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
238	Wesleyan U.	0	0	204	121	30	91	0	0
239	Loma Linda U.	0	0	205	120	0	0	120	0
240	Central State U.	34 i	79	116	116	0	116	0	0
241	Long Island U. all campuses	0	0	113	113 i	0 i	0 i	0 i	113 i
242	Marquette U.	39	74	68	112	0	0	61	51
243	CA State U. San Bernardino	256	43	45	110	0	32	78	0
244	U. Northern IA	162	90	152	110	0	0	110	0
245	U. TX El Paso	80	266	699	109	0	102	7	0
246	U. VT	127	50	205	108	0	10	0	98
247	Williams C.	79 i	110 i	136 i	108 i	7 i	11 i	27 i	63 i
248	U. MA Dartmouth	66	13	229	107	107	0	0	0
249	CUNY Queens C.	209	110	144	105	0	0	105	0
250	U. Northern CO	488	318	143	105	0	0	20	85
251	Bowdoin C.	30	1	23	104	38	0	66	0
252	U. NC Charlotte	449	581	274	94	0	0	90	4
253	Gettysburg C.	ne	15	72	93	0	0	0	93
254	Wright State U. all campuses	39	31	10	92	0	0	0	92
255	NC Agricultural and Technical State U.	677	885	208	91	67	0	0	24
256	Appalachian State U.	31	58	159	90	30	0	0	60
257	U. Central AR	102 i	102 i	111 i	90 i	8 i	4 i	34 i	44 i
258	Humboldt State U.	15 i	15 i	38	89	0	0	9	80
259	FL Atlantic U.	50	51	0	87	0	0	0	87
260	U. TX Arlington	425	237	363	87	0	0	0	87
261	Wellesley C.	202	162	247	84	0	0	0	84
262	Wake Forest U.	0	37	78	82	0	0	82	0
263	Carleton C.	3	0	0	81	0	0	0	81
264	Norfolk State U.	0	0	79	80	80	0	0	0
265	U. NC Wilmington	212	18	0	79	0	0	74	5
266	U. Denver	132	44	80	78	0	51	15	12
267	Hamilton C. (Clinton, NY)	23	43	130	74	74	0	0	0
268	AL State U.	57	73	73	73	0	0	0	73
269	Indiana U. PA all campuses	164	321	224	73	0	0	73	0
270	Catholic U. America, The	122	173	40	72	43	0	29	0
271	U. San Francisco	64	29	68	71	11	0	60	0
272	U. PR Rio Piedras Campus	0	0	50	70	0	0	0	70
273	U. Portland	0	0	0	66	0	0	66	0
274	Vassar C.	169 i	225	107	66	0	0	0	66
275	Southern OR U.	80	77	99	65	0	0	65	0
276	CA State U. Dominguez Hills	40	0	222	61	0	0	57	4
277	Eastern WA U.	181	144	211	60	0	0	0	60
278	New School, The	12	17	104	58	0	49	9	0
279	Towson U.	32	930	99	58	24	0	0	34
280	U. North FL	152	55	56	57	0	0	36	21
281	Pitzer C.	0	0	0	54	0	0	0	54
282	Claremont McKenna C.	ne	ne	ne	50 i	3 i	0 i	40 i	7 i
283	Southwest MO State U.	0	0	0	50	15	10	5	20
284	Millsaps C.	ne	0 i	0	47	0	0	47	0
285	San Jose State U.	62	256	197	47	0	0	0	47

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
286	East TN State U.	0	61	32	46	0	0	0	46
287	DePaul U.	279	270	211	43	0	0	43	0
288	U. TX of the Permian Basin	ne	ne	ne	43	0	43	0	0
289	U. of the Sciences Philadelphia	0	0	0	42	0	0	0	42
290	CA State U. Los Angeles	191	356	249	40	0	0	3	37
291	Pomona C.	0	26	18	40	15	0	0	25
292	Macalester C.	0	0	40	39	0	0	0	39
293	C. Charleston	85	78	31	38	0	38	0	0
294	Sam Houston State U.	339 i	0	0	37	0	0	0	37
295	U. HI Hilo	0	0	0	37	0	0	37	0
296	Siena C.	ne	ne	38 i	36 i	5 i	1 i	1 i	29 i
297	U. ND all campuses	14	11	3	36	0	0	0	36
298	U. AR Little Rock	0	84	35 i	35 i	0 i	0 i	4 i	31 i
299	C. of the Holy Cross	0	0	0	33	0	33	0	0
300	Franklin & Marshall C.	0	0	3	33	0	0	0	33
301	Middle TN State U.	0	11	48	32	32	0	0	0
302	TX Woman's U.	9	6	0	32	0	0	32	0
303	CUNY Herbert H. Lehman C.	0	20	75	31	0	0	31	0
304	U. WI La Crosse	443	17	0	31	0	0	31	0
305	Duquesne U.	65	41	22	30	0	0	30	0
306	U. West GA	20	30	30	30	0	0	30	0
307	Wheeling Jesuit U.	25 i	28 i	29 i	30	0	0	0	30
308	CA State U. Chico	150 i	28	29 i	29 i	0 i	0 i	0 i	29 i
309	Eastern MI U.	25	120	144	29	0	0	29	0
310	Smith C.	8	12	23	29	0	0	0	29
311	Oberlin C.	0	0	88	27	0	0	20	7
312	Clark Atlanta U.	478	155	126	26	26	0	0	0
313	SUNY C. Old Westbury	55	0	6	26	0	26	0	0
314	U. AK Southeast all campuses	24 i	3	15	26	0	0	0	26
315	CT C.	6 i	7	38	25	0	25	0	0
316	Santa Clara U.	ne	25 i	25 i	25 i	3 i	7 i	8 i	7 i
317	U. WI Stevens Point	0	0	27	24	0	8	0	16
318	Simmons C.	0	0	0	22	22	0	0	0
319	Trinity U.	0	0	5	22	0	22	0	0
320	U. WI Parkside	0	0	8	22	0	0	22	0
321	West TX A&M U.	13	23	41	22	0	0	0	22
322	Hampshire C.	53	67	0	21	0	0	0	21
323	Mills C.	ne	ne	21 i	21 i	3 i	1 i	3 i	14 i
324	Spelman C.	0	0	8	21	0	0	21	0
325	Bard C.	ne	9 i	ne	20 i	1 i	0 i	16 i	3 i
326	Central WA U.	84	267	138	20	0	0	20	0
327	Bryn Mawr C.	33	1	0	18	0	0	0	18
328	Sweet Briar C.	ne	ne	ne	18	0	0	0	18
329	U. of St. Thomas (St. Paul, MN)	0	0	0	18	18	0	0	0
330	Worcester Polytechnic Institute	192	184	15	18	0	0	0	18
331	Colby C.	83	6	151	17	17	0	0	0
332	Villanova U.	0 i	0 i	0 i	17	0	0	17	0
333	Loyola C.	111	106	89 i	16	16	0	0	0
334	Sonoma State U.	0	0	0	16	0	0	13	3

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2007 social sciences: FY 2004–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
335	TX Southern U.	0	0	0	16	0	0	0	16
336	Loyola Marymount U.	0	0	0	14	0	0	0	14
337	U.S. Coast Guard Academy	0	0	2	12	12	0	0	0
338	Ft. Lewis C.	0	0	94	11	0	0	0	11
339	Union C. (Schenectady, NY)	90	0	0	11	0	0	11	0
340	U. MO-Rolla	0	0	10	11	11	0	0	0
341	U. WI River Falls	0	0	10	11	11	0	0	0
342	MT State U. Billings	ne	35 i	21	10	0	0	10	0
343	NY Institute of Technology all campuses	0	0	0	10	0	0	0	10
344	SUNY C. Cortland	45	46	22	10	0	0	10	0
345	U. RI	59	19	32	10	0	0	0	10
346	CA State U. East Bay	60 i	0	0	9	9	0	0	0
347	IN State U. all campuses	0	3	8	9	0	0	0	9
348	James Madison U.	80	102	119	9	0	0	9	0
349	Swarthmore C.	116	33	3	9	0	0	0	9
350	TX A&M U. System Health Science Ctr.	0	0	21	9	0	0	9	0
351	Fairfield U.	69	100	68	7	0	0	7	0
352	U. TX Tyler	ne	0	40	7	0	0	7	0
353	Rowan U.	160	175	93	6	0	0	6	0
354	U. Detroit Mercy	0 e	0 i	5	5 i	0 i	0 i	0 i	5 i
355	William Paterson U. NJ	ne	ne	ne	5 i	1 i	0 i	2 i	2 i
356	DePauw U.	3 i	3 i	4 i	4 i	0 i	2 i	2 i	0 i
357	Rockefeller U.	0	0	0	4	0	0	4	0
358	Stephen F. Austin State U.	23	23	8	4	4	0	0	0
359	CO State U. Pueblo	0	0	0	3	0	0	0	3
360	IL Wesleyan U.	ne	0	0	3	3	0	0	0
361	Southeastern LA U.	1	38	10	3	0	0	3	0
362	SUNY C. of Environmental Science and Forestry	62 i	75 i	78 i	3	3	0	0	0
363	SUNY C. Oswego	48	66	76	3	0	0	3	0
364	Barnard C.	51 e	31	1	2	2	0	0	0
365	CA State Polytechnic U. San Luis Obispo	86	81	51	2	0	0	2	0
366	Reed C.	95	31	30	2	2	0	0	0
367	U. PR Mayaguez Campus	29	69	43	2	0	0	2	0
368	Winona State U.	ne	ne	ne	2	0	0	0	2
	All other surveyed institutions	7,226	4,641	4,197	0	0	0	0	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$201,000 in federally financed R&D expenditures in the social sciences in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	6,314,921	6,744,620	7,091,999	7,516,890	3,908,367	4,130,905	4,305,069	4,461,928
1	Johns Hopkins U., The ^a	417,139	430,954	467,230	535,222	410,730	418,846	444,407	518,939
2	GA Institute of Technology all campuses	275,551	285,572	294,466	309,986	159,978	167,523	180,755	180,240
3	PA State U. all campuses	209,900	221,800	235,614	235,341	137,769	142,985	149,236	150,402
4	MA Institute of Technology	200,773	206,567	220,043	216,475	144,287	149,267	164,846	159,443
5	TX A&M U.	155,464	147,173	161,735	164,434	45,221	53,371	56,189	52,215
6	U. MI all campuses	163,062	154,398	151,656	161,738	115,461	109,615	106,816	115,360
7	OH State U. all campuses	110,958	131,921	134,920	160,353	48,279	49,554	44,879	46,179
8	U. TX Austin	119,301	140,263	152,094	155,968	77,183	79,927	93,513	95,189
9	Purdue U. all campuses	124,849	121,148	118,109	153,503	43,453	45,171	47,901	57,411
10	U. CA, Berkeley	151,395	152,283	147,875	152,752	70,876	65,576	56,280	53,721
11	VA Polytechnic Institute and State U.	101,767	112,951	127,349	146,402	39,074	47,963	50,769	54,422
12	Stanford U.	147,216	155,844	148,688	142,796	118,487	122,807	115,675	106,318
13	SUNY Albany	56,484	86,371	102,548	125,065	1,133	1,571	2,412	2,668
14	U. IL Urbana-Champaign	120,032	125,457	125,371	124,954	69,698	76,794	71,447	73,746
15	Clemson U.	63,864	78,417	81,309	111,828	32,098	29,959	30,347	29,777
16	U. Rochester	60,464	82,903	99,801	97,183	51,870	71,224	85,329	81,962
17	U. FL	67,195	80,555	92,963	94,295	43,388	40,621	46,049	44,468
18	U. WI Madison	94,860	92,982	92,933	93,286	61,122	59,727	59,398	56,200
19	NC State U.	80,231	81,772	96,066	91,114	34,368	34,210	45,609	40,967
20	U. CA, San Diego	71,132	72,963	83,480	87,877	39,227	38,580	36,983	37,232
21	U. MD College Park	82,766	88,338	88,321	87,869	49,146	56,512	54,277	54,231
22	AZ State U.	55,648	50,515	71,479	85,658	25,921	28,693	32,424	31,214
23	U. CA, Santa Barbara	58,810	73,812	76,923	83,778	36,130	48,922	48,695	48,914
24	NM State U. main campus	50,582	73,977	99,689	81,705	48,757	59,959	73,156	64,294
25	U. WA	70,034	71,696	75,361	81,085	59,124	60,275	59,319	60,997
26	Cornell U. all campuses	69,046	75,275	77,191	77,677	41,448	45,734	47,959	48,755
27	U. Dayton	62,763	65,671	65,789	70,309	56,043	57,837	54,635	57,400
28	Northwestern U.	55,297	62,017	64,791	66,841	39,490	43,150	44,630	43,746
29	U. CA, Davis	50,454	56,758	59,204	65,634	20,784	23,597	22,036	24,857
30	U. MN all campuses	52,923	51,168	55,130	63,524	29,101	25,979	26,797	31,190
31	UT State U.	77,996	54,754	55,850	59,820	73,611	51,039	51,990	52,907
32	U. AZ	53,542	56,001	80,160	58,235	31,230	26,512	26,188	24,279
33	Carnegie Mellon U.	55,992	54,469	56,824	56,929	46,239	44,801	44,793	45,295
34	MS State U.	55,133	41,012	47,812	56,428	26,384	25,040	30,992	38,912
35	SUNY Buffalo all campuses	34,394	39,663	47,833	55,548	21,143	23,985	23,497	26,526
36	NM Institute of Mining and Technology	18,023	26,299 i	45,194	54,510	6,435	14,345 i	30,084	43,690
37	U. CA, Los Angeles	58,147	55,335	52,088	52,600	39,648	32,944	29,380	27,739
38	IA State U.	48,298	48,153	51,726	52,354	24,710	25,002	26,903	25,501
39	Princeton U.	52,126	57,952	55,548	52,077	32,973	35,543	35,084	33,883
40	U. Southern CA	54,854	53,863	49,447	51,100	38,444	37,387	33,722	31,819
41	NJ Institute of Technology	42,288	40,508	39,941	50,986	18,685	21,265	19,505	23,650
42	U. TN all campuses	41,228	49,943	48,400	50,101	17,489	21,385	26,807	27,704
43	Rensselaer Polytechnic Institute	41,931	46,969	48,242	50,061	25,602	27,801	27,750	28,455
44	U. KY all campuses	43,706	44,346	44,236	46,912	17,861	18,548	19,908	21,032
45	CA Institute of Technology	39,480	41,459	36,864	46,334	36,936	38,735	34,531	38,220
46	U. DE	36,213	37,008	39,573	43,038	27,706	27,724	31,145	34,066
47	U. CO all campuses	35,329	35,436	36,721	42,758	28,482	27,713	29,544	31,985

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
48	U. MA Amherst	23,045	25,838	40,106	42,730	8,553	9,992	17,557	17,723
49	LA State U. all campuses	43,376	41,303	40,026	42,437	12,723	9,180	10,630	11,344
50	Columbia U. in the City of NY	25,160	30,452	37,522	41,069	20,732	24,662	30,308	32,606
51	Duke U.	28,131	33,932	35,192	39,903	21,202	21,449	23,808	27,665
52	Auburn U. all campuses	30,387	33,685	32,797	38,587	16,544	17,668	18,192	25,799
53	Case Western Reserve U.	40,268	42,557	40,322	37,685	25,953	22,390	25,617	25,844
54	Vanderbilt U.	30,986	33,207	33,424	37,124	26,132	26,736	26,887	29,865
55	U. IA	32,742	31,707	34,071	36,823	13,595	12,734	13,539	17,505
56	Drexel U.	34,660	39,569	36,733	36,660	23,693	26,609	24,716	25,009
57	SUNY Stony Brook all campuses	24,882	22,114	23,488	36,611	10,431	11,206	10,343	10,663
58	U. CA, Santa Cruz	16,877	28,366	32,173	35,536	13,278	23,424	27,235	27,906
59	U. Cincinnati all campuses	26,815	26,177	26,983	35,473	13,457	13,554	12,023	16,182
60	U. VA all campuses	34,347	34,472	35,682	35,289	24,822	27,108	29,835	29,676
61	Wichita State U.	23,450	28,691	21,884	35,218	7,925	7,137	9,296	9,295
62	U. NE all campuses	28,109	30,675	33,702	34,785	8,217	12,237	15,769	16,105
63	U. AL Huntsville, The	21,335	26,672	28,136	34,710	17,703	21,398	21,756	23,873
64	U. South FL	29,892	32,717	35,778	34,351	15,891	17,026	17,460	17,262
65	U. CA, Irvine	28,764	33,921	35,222	33,953	13,277	14,385	14,037	13,518
66	MI Technological U.	22,512	24,151	25,626	33,149	11,722	11,134	10,697	17,070
67	U. UT	27,831	28,886	33,209	32,890	14,945	16,713	20,441	19,283
68	MI State U.	24,928	26,366	28,519	32,816	8,908	9,945	11,287	12,666
69	FL State U.	28,942	28,956	32,761	32,704	23,049	23,583	26,979	26,896
70	U. PA	25,949	27,645	32,779	31,213	17,408	17,784	20,982	20,842
71	U. ND all campuses	22,444	21,320	27,784	31,074	15,191	13,871	17,074	20,257
72	U. Central FL	20,256	27,224	28,886	29,071	9,809	9,456	10,955	13,370
73	Rutgers, The State U. NJ all campuses	33,838	30,604	25,245	29,011	15,125	11,756	10,479	12,967
74	WV U.	28,632	26,933	25,023	28,128	18,799	18,371	17,309	17,899
75	Rice U.	17,287	17,969	22,197	28,054	13,053	14,593	16,751	22,087
76	CO State U.	21,824	24,975	25,088	27,282	14,821	14,615	17,753	19,049
77	U. CA, Riverside	14,082	25,713	28,721	26,716	3,353	14,951	18,279	16,795
78	Woods Hole Oceanographic Institution	17,539	21,044	21,630	26,511	16,817	20,208	20,572	21,581
79	Boston U.	23,212	25,074	24,972	26,454	21,292	23,350	22,783	23,802
80	U. MO-Columbia	20,880	22,220	15,872	25,937	6,607	6,220	7,690	9,134
81	Lehigh U.	21,109	26,183	24,017	25,934	12,145	12,849	10,806	14,244
82	Northeastern U.	16,137	22,529	26,894	25,833	10,259	13,775	16,776	13,714
83	U. SC all campuses	25,786	26,308	25,085	25,084	16,066	14,545	16,498	16,453
84	Old Dominion U.	22,681	26,428	23,991	24,343	14,270	17,191	16,591	13,636
85	U. MO-Rolla	28,122	28,728	27,932	24,220	13,694	15,685	16,009	13,972
86	OR State U.	19,869	21,768	23,907	22,802	13,788	14,898	16,314	14,373
87	U. NH	20,920	20,983	22,967	22,783	12,768	13,436	14,648	13,836
88	WA State U.	24,556	25,876	24,591	22,757	13,445	14,341	13,476	11,143
89	Harvard U.	16,093	21,191	22,851	21,587	14,949	19,287	19,811	17,812
90	U. AR main campus	14,543	21,418	21,676	21,388	6,562	8,658	8,004	8,418
91	U. Pittsburgh all campuses	17,850	20,254	21,254	20,606	13,209	15,454	14,809	14,365
92	FL International U.	4,374	5,278	17,700	20,496	3,298	3,533	14,167	14,761
93	U. IL Chicago	18,671	18,567	19,609	20,246	9,326	10,149	10,340	10,747
94	U. OK all campuses	15,759	17,259	19,442	20,141	6,550	6,493	7,594	7,584
95	U. TX Arlington	11,118	19,612	17,957	19,629	5,603	11,521	11,153	10,998
96	KS State U.	17,826	17,634	18,837	19,450	8,129	8,370	8,244	8,080

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
97	Dartmouth C.	22,193	20,176	20,807	19,429	16,692	14,494	14,937	12,793
98	U. TX Dallas	8,367	12,243	15,026	19,349	1,544	1,805	3,740	3,829
99	Brown U.	19,384	20,654	21,030	19,277	12,958	13,718	12,545	11,238
100	U. AK Fairbanks all campuses	14,275	13,438	19,193	19,159 i	7,306	9,646	14,979	15,170 i
101	U. KS all campuses	15,822	16,947	16,884	18,401	7,406	7,793	8,607	10,280
102	OH U. all campuses	17,926	18,214	16,579	18,025	10,504	9,148	9,507	8,304
103	U. ME	11,724	12,511	14,906	17,656	4,975	4,670	6,594	8,087
104	OK State U. all campuses	20,197	20,641	19,247	17,409	11,139	10,831	11,764	11,162
105	Washington U. St. Louis	12,427	15,444	15,025	17,119	8,330	8,611	8,279	10,270
106	U. NM main campus	22,980	23,607	16,394	17,018	18,528	18,492	11,413	11,730
107	U. CT all campuses	21,216	18,931	17,686	16,784	12,726	12,417	10,281	8,045
108	TX Tech U.	16,318	15,920	16,202	16,750	6,310	5,839	6,468	7,731
109	U. NV, Las Vegas	6,910 i	12,408	15,902	16,633	3,835 i	8,632	11,825	14,567
110	Wayne State U.	14,438	17,141	15,105	16,620	5,841	9,272	8,414	8,765
111	U. Louisville	9,230	14,680	16,020	16,451	4,306	7,717	7,727	7,488
112	U. Houston	18,974	22,826	23,961	16,296	6,771	6,814	8,162	7,736
113	MT State U. Bozeman	11,976	11,095	12,849	16,286	8,781	8,697	10,380	11,761
114	U. of Notre Dame	16,215	14,885	15,950	16,239	11,800	10,505	10,613	11,422
115	CO School of Mines	18,040	17,897	15,039	16,193	8,778	8,498	9,992	9,670
116	SUNY Binghamton	8,077	9,057	11,256	15,794	2,505	3,304	4,230	4,107
117	Stevens Institute of Technology	6,121	8,270	15,085	15,330	5,053	6,967	14,087	14,354
118	U. AL, The	18,102	14,720	14,598	15,214	13,326	10,940	10,680	11,062
119	U. ID	12,615	15,558	15,636	14,756	8,898	10,637	10,570	10,362
120	Mercer U. all campuses	14,110	15,464	14,949	14,435	8,149	9,439	9,927	9,829
121	CUNY The City C.	8,812	8,966	11,599	14,156	6,185	6,305	7,155	7,912
122	U. MA Lowell	6,110	6,087	8,522	13,556	4,145	3,704	4,547	5,777
123	Yale U.	12,070	13,769	13,343	13,131	8,227	9,106	8,872	8,830
124	U. NV, Reno	8,581	12,363	11,660	12,829	6,029	9,092	9,405	10,303
125	U. Toledo	11,316	13,297	11,975	12,326	5,199	5,941	6,888	7,191
126	SD School of Mines and Technology	6,230	9,404	7,781	12,104	5,501	8,250	6,082	9,299
127	Clarkson U.	10,472	9,824 i	10,983	12,015	4,476	4,793 i	5,302	5,311
128	ND State U. all campuses	10,639	11,726	10,557	11,947	8,552	9,903	8,381	8,720
129	Naval Postgraduate School	8,994 i	15,531	12,519	11,854	8,009 i	11,763	11,721	11,649
130	Emory U.	0	0	0	11,667	0	0	0	10,278
131	San Diego State U.	10,830	13,898	13,859	11,564	6,167	9,013	8,704	5,776
132	Brigham Young U. all campuses	9,818	10,069	10,827	11,261	7,757	7,658	7,849	7,672
133	Southern IL U. Carbondale	12,125	10,908	19,661	10,936	1,072	1,440	929	698
134	U. WY	6,564 e	7,871	7,412	10,318	1,716 e	2,928	1,886	1,775
135	FL Atlantic U.	7,191	7,888	10,978	10,279	6,238	6,593	9,856	7,981
136	TN Technological U.	7,608	7,848	8,334	9,894	1,714	2,344	2,667	4,389
137	U. PR Mayaguez Campus	8,083	9,823	10,766	9,762	2,497	3,993	4,044	3,471
138	George Washington U.	16,830	10,797	9,905	9,749	15,201	7,743	6,053	6,215
139	NC Agricultural and Technical State U.	8,117	9,637	9,972	9,401	6,937	8,624	8,911	8,278
140	U. HI Manoa	8,684	10,819	11,439	9,260	7,509	9,578	10,033	6,447
141	Worcester Polytechnic Institute	11,285	10,885	10,719	8,896	6,159	6,156	7,116	6,054
142	Tufts U.	7,190	8,923	10,949	8,786	5,356	7,049	8,205	6,270
143	Rochester Institute of Technology	9,480	9,411	9,373	8,643	5,560	4,561	5,678	4,594
144	U. MD Baltimore County	2,968	8,804	10,360	8,620	1,982	6,294	6,158	6,737
145	U. NC Charlotte	3,213	3,078	3,864	8,005	1,978	1,765	1,713	4,602
146	Air Force Institute of Technology	6,534	7,504	10,042	7,963	1,484	1,860	2,398	3,102

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
147	Syracuse U. all campuses	12,146	13,262	12,232	7,916	8,527	9,417	8,292	5,468
148	U. GA	6,740	6,525	7,500	7,880	1,135	1,017	1,112	2,392
149	U. Tulsa	8,010	5,133	6,070	7,878	5,449	3,222	2,703	2,546
150	U. TX El Paso	9,250	9,477	9,949	7,830	4,476	3,024	3,049	3,576
151	U.S. Air Force Academy	20,634	21,237	4,703	7,811	10,326	10,879	4,587	7,654
152	Polytechnic U.	8,977	9,775	9,200	7,552	3,307	4,024	4,111	2,396
153	U. RI	5,341	5,578	5,692	7,386	4,180	3,856	3,862	5,454
154	CA State U. Long Beach	4,732	4,119	4,484	7,379	4,288	3,840	4,117	6,905
155	Marshall U.	9,425	8,904	6,398	7,260	7,947	8,415	5,690	6,119
156	Wright State U. all campuses	5,744	6,219	6,034	7,144	3,140	3,765	3,202	3,384
157	LA Tech U.	9,683	8,758	7,905	7,076	2,795	2,850	2,663	1,474
158	U. Akron all campuses	7,498	7,388	8,519	7,070	3,154	3,087	4,090	3,029
159	U. Memphis, The	3,609	3,530	5,320	7,068	646	670	1,911	3,314
160	U. AL Birmingham, The	9,757	8,193	8,023	6,923	8,109	7,574	6,928	5,792
161	IL Institute of Technology	7,308	10,228	8,066	6,716	4,758	5,102	5,885	5,132
162	U. MS all campuses	7,392	7,539	8,313	6,149	6,343	6,535	6,998	4,616
163	SUNY C. of Environmental Science and Forestry	6,605 i	2,598 i	6,285 i	5,951	779 i	936 i	940 i	1,737
164	Wheeling Jesuit U.	4,109 i	4,696 i	5,285 i	5,872	4,109 i	4,696 i	5,285 i	5,872
165	Morgan State U.	3,819	5,010	7,220	5,850	2,981	4,021	6,465	5,761
166	Tulane U.	6,494	7,274	5,285	5,273	5,319	5,561	4,357	4,210
167	U. WI Milwaukee	5,290	4,982	5,131	5,246	2,031	2,062	1,767	1,888
168	Boise State U.	2,718	2,805	3,299	4,982	2,655	2,763	3,167	4,685
169	U.S. Naval Academy	3,348	3,780	4,262	4,922	3,052	3,264	3,995	4,667
170	Western MI U.	3,338	3,566	4,487	4,919	827	1,019	1,053	1,202
171	Villanova U.	5,275 i	5,980 i	6,685 i	4,773	4,479 i	5,115 i	5,754 i	3,666
172	Alfred U. all campuses	6,338	7,558	5,174	4,686	1,460	1,972	1,465	1,351
173	IN U. all campuses	3,182	2,837	4,871	4,664	996	1,048	1,960	2,902
174	Howard U.	4,919	4,814	4,801	4,647	4,532	4,452	4,471	4,449
175	U. MA Dartmouth	5,014	5,270	4,877	4,608	1,884	1,889	1,447	2,162
176	Cleveland State U.	6,531	6,364	4,272	4,547	4,681	4,856	2,644	2,818
177	Portland State U.	2,496 e	2,912	4,620	4,516	960 e	1,112	2,293	1,846
178	George Mason U.	7,960	6,613	5,765	4,510	7,814	5,729	3,974	3,424
179	VA Commonwealth U.	6,904	6,290	5,328	4,327	4,632	4,557	3,772	3,082
180	U. LA Lafayette	4,285	4,660	4,486	4,120	611	988	887	902
181	U. CA, Merced	na	1,570	2,717	3,923	na	736	1,072	1,152
182	U. North TX	2,658	3,420	5,717	3,726	1,957	2,849	4,547	2,403
183	OR Institute of Technology	1,940	2,752	3,562	3,721	988	1,396	1,461	1,551
184	Marquette U.	4,290	4,256	3,624	3,572	2,228	2,381	2,313	2,180
185	Temple U.	3,883	4,473	2,952	3,551	2,093	2,249	1,654	1,779
186	Jackson State U.	671	1,734	2,981	3,399	611	1,473	2,397	2,855
187	SD State U.	2,383	2,724	2,812	3,293	1,442	1,619	1,777	2,122
188	TX A&M U. Kingsville	1,727	2,264	2,149	3,180	1,006	1,453	1,396	2,077
189	Northern IL U.	326	1,256	4,303	3,103	189	953	3,640	2,616
190	U. TX M. D. Anderson Cancer Ctr.	3,578	1,724	3,460	3,074	2,591	976	1,897	514
191	U. Miami	3,153	2,871	3,173	3,000	1,949	2,279	2,489	2,406
192	Oakland U.	1,934	2,152	2,763	2,983	1,607	1,772	1,990	2,085
193	Milwaukee School of Engineering	2,569	2,103	2,310	2,952	221	267	260	448
194	FL A&M U.	4,900	3,999	4,427	2,919	3,577	3,110	2,909	2,667
195	U. TX San Antonio	2,124	1,832	2,915	2,881	1,727	1,545	2,026	1,671
196	San Jose State U.	2,484	3,012	2,208	2,744	1,481	1,662	2,023	2,548

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
197	Lamar U.	1,212	1,117	1,946	2,739	380	443	1,158	1,847
198	Prairie View A&M U.	2,787	3,747	3,636	2,739	2,040	3,211	3,268	2,406
199	U. VT	2,518	1,914	2,265	2,723	1,360	1,054	1,100	1,562
200	Southern IL U. Edwardsville	5,477	3,124	2,496	2,613	201	143	202	262
201	TN State U.	4,671	4,114	3,741	2,536	4,033	3,395	3,056	1,850
202	MT Tech of the U. MT	2,590	2,230	2,685	2,423	2,157	2,109	2,547	2,072
203	U. Denver	3,274	3,413	2,516	2,412	2,812	2,606	2,081	1,715
204	Pittsburg State U.	1,816	2,272	2,549	2,287	551	611	1,103	1,086
205	U. TX Medical Branch	2,626	3,140	2,550	2,243	1,164	1,892	1,395	1,329
206	U.S. Military Academy	0 i	0 i	0 i	2,168	0 i	0 i	0 i	1,627
207	Kettering U.	598	1,717	3,408	2,104	278	683	2,882	1,568
208	CA State Polytechnic U. San Luis Obispo	1,313	1,184	1,285	2,037	267	422	312	758
209	Lawrence Technological U.	647	631	2,137	2,001	219	354	1,939	1,546
210	Southern Methodist U.	1,490	1,847	1,936	1,957	462	803	1,433	1,433
211	Embry-Riddle Aeronautical U.	6,484	8,562	6,831 i	1,936	3,599	3,090	3,141 i	1,425
212	U. TX-Pan American	878	1,392	2,037	1,899	427	1,113	1,494	1,342
213	Rowan U.	2,236	2,158	1,614	1,802	1,352	1,526	1,040	1,097
214	Eastern MI U.	1,203	3,343	1,521	1,695	867	2,948	1,347	1,215
215	Rose-Hulman Institute of Technology	3,247	2,800	1,836	1,660	123	274	34	46
216	FL Institute of Technology	1,289	1,486	1,843	1,635	613	724	1,295	1,301
217	U. South AL	1,925	1,884	2,625	1,625	1,773	1,231	750	1,096
218	Central State U.	632 i	1,105	1,624	1,624	632 i	1,105	1,567	1,567
219	ID State U.	437	456	583	1,560	288	318	338	393
220	Williams C.	1,220 i	1,267 i	1,472 i	1,533 i	308 i	426 i	527 i	420 i
221	CA State U. Los Angeles	2,032	1,892	1,630	1,482	2,003	1,841	1,588	1,482
222	Tuskegee U.	1,175	1,118	1,165	1,433	902	858	987	1,214
223	Catholic U. America, The	1,627	1,616	1,456	1,428	1,216	1,126	1,195	1,066
224	U. Hartford	534	925	1,030	1,347	513	633	761	855
225	Dowling C.	ne	ne	ne	1,343	ne	ne	ne	1,297
226	U. of the Pacific	237	629	1,230	1,329	185	0	9	38
227	Bradley U.	859	810	1,192	1,281	151	20	122	119
228	West TX A&M U.	1,748	855	1,068	1,248	1,645	748	987	1,119
229	Hampton U.	1,404	34,260	1,172	1,243	1,404	34,260	1,172	1,243
230	U. Central AR	647 i	713 i	1,222 i	1,216 i	436 i	437 i	480 i	393 i
231	Southern U. and A&M C. all campuses	215	215 i	280	1,132	150	148 i	275	1,068
232	CA State U. Northridge	1,357	558	671	1,130	912	463	319	616
233	Northern AZ U.	310	709	1,097	1,129	77	329	466	294
234	Polytechnic U. PR	ne	ne	ne	1,127	ne	ne	ne	285
235	Humboldt State U.	898 i	923 i	1,002	1,096	138 i	137 i	130	23
236	U. DC	160	126	944	1,079	0	0	762	867
237	U. OR	526	764	751	960	118	134	136	130
238	U. North FL	759	1,234	957	957	26	181	313	452
239	Albany State U.	451	347	827	952	451	347	706	952
240	U.S. Coast Guard Academy	861	660	537	916	861	660	537	916
241	Grand Valley State U.	2,153	562	592	837	0	136	101	22
242	Bucknell U.	1,211	811	1,107	828	491	326	568	360
243	U. AR Little Rock	2,941	1,679	787 i	799 i	1,974	1,661	699 i	708 i
244	AL A&M U.	564	772	298	782	491	735	209	646
245	CA State U. Chico	639 i	725	765 i	773 i	246 i	474	500 i	500 i

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
246	U. MO-Kansas City	2,934	1,542	974	709	327	328	473	490
247	Norfolk State U.	414	488	512	707	414	399	338	558
248	U. AK Anchorage all campuses	0 i	0	222	699	0 i	0	71	602
249	Miami U. all campuses	460 i	504 i	548 i	688 i	96 i	149 i	146 i	166 i
250	Baylor U.	75	433	573	648	17	275	122	281
251	U. WI La Crosse	0	737	630	629	0	444	172	188
252	Smith C.	526	691	1,040	619	117	246	698	532
253	Savannah State U.	488	500	569	591	488	500	569	591
254	VA State U.	0	0	171	584	0	0	150	558
255	U. Southern MS	2,494	1,942	1,313	552	2,349	1,767	1,065	329
256	VA Military Institute	485	424	645	549	0	0	110	71
257	St. Louis U. all campuses	0 e	129	238	544	0 e	122	200	508
258	U. TX Tyler	ne	124	137	541	ne	108	124	481
259	Harvey Mudd C.	495 i	433 i	464	540	166 i	153 i	178	221
260	Union C. (Schenectady, NY)	457	618	621	522	126	329	139	213
261	Manhattan C.	381 i	497	495	518 i	284 i	304	285	302 i
262	MS Valley State U.	14	109	475	514	14	109	475	514
263	NY Institute of Technology all campuses	1,032	514	1,132	501	835	71	267	253
264	TX A&M U. System Health Science Ctr.	1,929	1,704	763	477	1,585	1,459	696	427
265	Loyola Marymount U.	402	86	692	430	348	55	557	336
266	Hampshire C.	508	476	551	427	0	0	0	0
267	Benedict C.	0	398	136	425	0	398	136	400
268	Saginaw Valley State U.	55	64	122	409	0	0	47	384
269	Bowling Green State U. all campuses	516	0	349	390	414	0	321	326
270	Clark Atlanta U.	1,628	1,972	796	379	1,596	1,949	773	378
271	MN State U. Mankato	35 i	98	211	370	0 i	18	56	54
272	LeTourneau U.	ne	ne	ne	369	ne	ne	ne	189
273	U. West FL	0	89	0	367	0	10	0	367
274	Seattle U.	148	354	347 i	358 i	28	74	83 i	87 i
275	Lafayette C.	869	505	603	350	842	481	573	302
276	U. PR Rio Piedras Campus	322	321	312	337	0	0	0	0
277	CA State U. San Bernardino	84	0	155	335	84	0	155	335
278	East Carolina U.	3	201	137	315	2	79	40	0
279	U. Central OK	22	117	691	300	22	117	691	210
280	Hope C.	148	163	115	287	122	132	53	239
281	U. CA Office of the President	308	378	304	286	0	0	0	0
282	Sinte Gleska U.	ne	0	0	281	ne	0	0	281
283	Ball State U.	111	218	332	275	9	94	153	150
284	San Francisco State U.	8,556 i	295	164	242	8,556 i	212	164	35
285	St. Cloud State U.	44	88	145	242	0	0	0	27
286	James Madison U.	356	258	406	232	257	238	362	181
287	U. Portland	197	128	203	210	0	0	0	0
288	C. NJ, The	92 i	74 i	305	205	0 i	0 i	22	0
289	Morehead State U.	5	217	0	195	0	156	0	185
290	Santa Clara U.	ne	176 i	184 i	195 i	ne	176 i	181 i	182 i
291	CA State U. Sacramento	252 i	228 i	204 i	183	128 i	135 i	142 i	163
292	TX State U. San Marcos	4	35	84	175	0	0	0	0
293	Cooper Union	150	173	ne	171	0	0	ne	0

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
294	Western Carolina U.	45	63	335	167	45	37	0	147
295	Swarthmore C.	219	267	265	161	60	136	159	60
296	Medical U. SC	0	121	141	154	0	0	0	32
297	TX A&M U. Corpus Christi	3,442	330	241	153	831	113	209	88
298	AR State U. main campus	75	80	82	150	0	16	21	77
299	DE State U.	0 i	0	34	143	0 i	0	34	143
300	Central MI U.	24	235	46	142	0	225	21	16
301	U. Detroit Mercy	121 e	111 i	129	135 i	33 e	39 i	62	63 i
302	Nicholls State U.	0	542	302	128	0	542	302	121
303	Hofstra U.	447 i	457 i	81	125	447 i	457 i	72	113
304	U. WI Platteville	86 i	97	138	125	0 i	0	0	44
305	Western KY U.	48	75	91	125	0	0	10	70
306	Calvin C.	90	63	41	123	9	0	0	0
307	Fairfield U.	68	67	52	123	0	0	0	0
308	East TN State U.	130	119	124	121	0	0	0	0
309	U. Southern ME	24 i	30 i	38	114	0 i	0 i	0	92
310	Claremont McKenna C.	ne	ne	ne	112 i	ne	ne	ne	112 i
311	Wilkes U.	0	ne	89	106	0	ne	0	0
312	Jacksonville U.	ne	ne	0	99	ne	ne	0	0
313	U. MA Boston	106	111	124	97	87	93	94	72
314	TX Christian U.	111	44	74	96	25	1	27	30
315	Trinity C. (Hartford, CT)	94	119	54	82	70	77	32	25
316	Southern Polytechnic State U.	ne	ne	ne	79	ne	ne	ne	79
317	Hendrix C.	208	97	79	76	208	97	76	76
318	Murray State U.	53	161	40	76	53	109	30	75
319	CA State U. Fullerton	19	35	159	74	1	0	159	74
320	U. NC Asheville	4	0	10	72	0	0	10	71
321	Siena C.	ne	ne	70 i	71 i	ne	ne	70 i	65 i
322	SC State U.	61	65	65	65	61	65	65	65
323	Oglala Lakota C.	ne	ne	ne	59	ne	ne	ne	59
324	U. WI Stevens Point	4	4	2	59	0	0	0	0
325	Youngstown State U.	300	347	197	59	191	243	115	0
326	Winona State U.	ne	ne	ne	58	ne	ne	ne	0
327	Sweet Briar C.	ne	ne	ne	55	ne	ne	ne	0
328	Middle TN State U.	314	617	120	51	140	555	21	30
329	Bard C.	ne	6 i	ne	46 i	ne	6 i	ne	46 i
330	CA State Polytechnic U. Pomona	358	317	374	45	358	317	374	45
331	Mills C.	ne	ne	42 i	43 i	ne	ne	42 i	43 i
332	Valparaiso U.	166	74	59	43	141	62	59	43
333	U. Houston-Clear Lake	29	52	54	41	0	0	0	0
334	U. MD Eastern Shore	300	150	73	41	300	150	73	0
335	Western WA U.	230	17	153	40	151	9	0	10
336	KY State U.	144	79	43	37	144	79	43	37
337	TX A&M U. Commerce	0	0	22	37	0	0	0	37
338	Southwestern OK State U.	ne	ne	ne	36	ne	ne	ne	0
339	Wilberforce U.	0 i	0 i	0 i	36	0 i	0 i	0 i	0
340	CUNY C. Staten Island	98	196	56	35	79	179	56	35
341	Tarleton State U.	0	0	0	35	0	0	0	0
342	DePauw U.	32 i	32 i	33 i	34 i	32 i	32 i	33 i	34 i
343	St. Mary's U. (San Antonio, TX)	414	405	183	34	414	405	183	34
344	U. New Haven	0 i	0	ne	34	0 i	0	ne	34

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
345	Xavier U. LA	187	160 i	132	31	178	153 i	132	31
346	U. of St. Thomas (St. Paul, MN)	3	22	24	27	0	21	16	10
347	CA State U. Fresno	1,165	2,382	63	21 i	20	834	0	0 i
348	Eastern WA U.	18	20	20	20	0	0	0	0
349	Edward Waters C.	ne	ne	ne	20 i	ne	ne	ne	0 i
350	Seattle Pacific U.	ne	ne	ne	20 i	ne	ne	ne	2 i
351	CA State U. East Bay	307 i	260	215	18	244 i	239	0	0
352	Fairleigh Dickinson U. all campuses	ne	ne	ne	16 i	ne	ne	ne	0 i
353	Trinity U.	3	3	14	15	3	1	2	2
354	AR Tech U.	84 i	15 i	13 i	14 i	48 i	15 i	8 i	9 i
355	William Paterson U. NJ	ne	ne	ne	14 i	ne	ne	ne	9 i
356	McNeese State U.	157	75	10	12	0	0	0	0
357	Sonoma State U.	0	103	89	11	0	99	68	0
358	Vassar C.	297 i	260 i	23	6	26 i	0	23	6
359	Andrews U.	5	0	1	3	0	0	0	0
360	U. San Diego	0	0	3	3	0	0	0	0
361	Eastern IL U.	0 i	0 i	0 i	2	0 i	0 i	0 i	1
362	Elizabeth City State U.	351	102	43	1	351	96	0	1
363	Kent State U. all campuses	1	5	0	1	0	0	0	0
	All other surveyed institutions	5,294	1,606	856	0	3,623	1,454	659	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$488,370 in total and \$477,647 in federally financed R&D expenditures in engineering in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
	All institutions	7,516,890	423,651	537,470	601,926	862,927	1,674,600	1,130,112	638,270	1,647,934
1	Johns Hopkins U., The ^a	535,222	56,072 i	22,937 i	11,540 i	11,417 i	154,832 i	107,222 i	898 i	170,304 i
2	GA Institute of Technology all campuses	309,986	40,584	29,707	16,971	15,935	121,916	46,176	14,378	24,319
3	PA State U. all campuses	235,341	9,018	4,071	17,935	11,430	64,640	51,568	75,380	1,299
4	MA Institute of Technology	216,475	18,749	38,115	19,027	9,412	28,610	22,503	15,325	64,734
5	TX A&M U.	164,434	16,569	6,086	11,777	50,838	7,763	21,321	6,439	43,641
6	U. MI all campuses	161,738	6,353	12,536	8,294	10,086	40,539	29,853	7,360	46,717
7	OH State U. all campuses	160,353	2,662	2,365	25,570	9,208	17,019	56,578	39,088	7,863
8	U. TX Austin	155,968	11,166	5,515	14,820	28,385	39,717	13,421	19,663	23,281
9	Purdue U. all campuses	153,503	11,053	3,727	9,275	15,641	41,083	24,156	3,552	45,016
10	U. CA, Berkeley	152,752	0	309	6,260	43,633	79,219	334	71	22,926
11	VA Polytechnic Institute and State U.	146,402	6,075	3,322	4,230	38,168	27,369	23,101	14,088	30,049
12	Stanford U.	142,796	7,943	14,019	7,516	6,957	29,872	28,127	2,412	45,950
13	SUNY Albany	125,065	0	0	0	0	0	0	0	125,065
14	U. IL Urbana-Champaign	124,954	6,086	6,321	7,231	21,485	38,390	25,466	14,824	5,151
15	Clemson U.	111,828	0	5,766	12,055	9,634	12,024	48,347	14,090	9,912
16	U. Rochester	97,183	0	2,091	603	0	3,360	80,363	0	10,766
17	U. FL	94,295	8,652	12,580	4,897	22,077	11,433	7,371	14,329	12,956
18	U. WI Madison	93,286	0	3,258	7,628	8,617	10,514	5,716	4,947	52,606
19	NC State U.	91,114	5,747	7,901	15,512	10,086	12,307	8,943	6,670	23,948
20	U. CA, San Diego	87,877	0	11,229	0	0	55,299	7,317	0	14,032
21	U. MD College Park	87,869	15,431	817	2,203	11,930	18,083	14,561	7,664	17,180
22	AZ State U.	85,658	32	21,951	11,686	12,175	25,284	4,926	5,917	3,687
23	U. CA, Santa Barbara	83,778	0	10,741	8,296	1,585	35,355	2,287	24,595	919
24	NM State U. main campus	81,705	5,214	0	2,055	4,596	4,817	501	4,224	60,298
25	U. WA	81,085	5,052	18,410	4,209	11,068	20,829	6,683	5,758	9,076
26	Cornell U. all campuses	77,677	7,518	0	5,122	7,084	14,208	1,118	3,897	38,730
27	U. Dayton	70,309	7,495	0	3,884	214	6,598	9,928	39,731	2,459
28	Northwestern U.	66,841	0	9,788	5,889	2,284	8,712	5,635	17,547	16,986
29	U. CA, Davis	65,634	0	14,554	10,193	18,700	7,982	8,523	0	5,682
30	U. MN all campuses	63,524	5,300	3,032	10,507	16,049	8,397	12,961	196	7,082
31	UT State U.	59,820	3,712	0	1,643	1,661	46,010	5,111	0	1,683
32	U. AZ	58,235	4,002	2,531	5,348	10,333	18,392	14,791	626	2,212
33	Carnegie Mellon U.	56,929	612	6,880	4,445	3,542	19,222	4,300	4,776	13,152
34	MS State U.	56,428	10,298	1,281	6,230	2,935	11,489	7,152	5,298	11,745
35	SUNY Buffalo all campuses	55,548	683	2,340	15,742	14,169	3,228	10,897	1,096	7,393
36	NM Institute of Mining and Technology	54,510	0	0	8,599	0	0	2	681	45,228

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
37	U. CA, Los Angeles	52,600	1,197	1,617	4,479	3,618	22,018	13,613	5,516	542
38	IA State U.	52,354	5,860	0	3,802	10,885	6,424	2,494	6,035	16,854
39	Princeton U.	52,077	8,272	0	8,050	5,314	11,481	0	18,790	170
40	U. Southern CA	51,100	2,998	14,790	2,652	3,290	19,334	589	1,906	5,541
41	NJ Institute of Technology	50,986	0	3,856	7,837	6,013	4,759	1,941	138	26,442
42	U. TN all campuses	50,101	10,142	617	1,163	9,623	8,333	0	7,877	12,346
43	Rensselaer Polytechnic Institute	50,061	0	1,912	6,741	7,842	12,999	9,870	8,746	1,951
44	U. KY all campuses	46,912	0	585	2,475	7,325	9,831	2,388	3,297	21,011
45	CA Institute of Technology	46,334	5,305	1,145	3,547	2,888	6,208	7,074	6,349	13,818
46	U. DE	43,038	0	852	7,945	6,453	14,920	6,032	6,072	764
47	U. CO all campuses	42,758	16,215	1,061	7,338	6,745	5,560	5,170	0	669
48	U. MA Amherst	42,730	0	0	15,049	7,835	13,141	6,007	0	698
49	LA State U. all campuses	42,437	0	0	3,245	8,069	2,835	6,045	8,694	13,549
50	Columbia U. in the City of NY	41,069	0	6,683	4,451	1,016	4,135	3,014	673	21,097
51	Duke U.	39,903	0	14,952	0	4,956	12,509	3,320	0	4,166
52	Auburn U. all campuses	38,587	1,175	0	8,333	2,831	5,463	2,448	1,935	16,402
53	Case Western Reserve U.	37,685	0	14,284	3,179	214	5,785	3,912	5,665	4,646
54	Vanderbilt U.	37,124	0	6,341	1,791	4,137	21,994	2,803	0	58
55	U. IA	36,823	0	567	2,020	15,081	2,039	8,688	0	8,428
56	Drexel U.	36,660	0	6,134	2,381	2,102	12,411	8,360	5,272	0
57	SUNY Stony Brook all campuses	36,611	0	10,801	0	0	4,799	1,542	3,999	15,470
58	U. CA, Santa Cruz	35,536	0	0	0	0	4,860	0	0	30,676
59	U. Cincinnati all campuses	35,473	3,781	3,684	7,181	8,755	6,234	5,022	0	816
60	U. VA all campuses	35,289	0	5,852	1,238	1,465	7,773	7,437	8,717	2,807
61	Wichita State U.	35,218	32,433	0	0	0	1,391	405	0	989
62	U. NE all campuses	34,785	1,000	2,808	8,277	7,658	4,881	3,211	1,225	5,725
63	U. AL Huntsville, The	34,710	0	0	126	2,420	6,295	8,735	0	17,134
64	U. South FL	34,351	0	0	2,804	15,444	8,926	5,167	0	2,010
65	U. CA, Irvine	33,953	0	4,150	1,754	5,485	15,487	6,028	0	1,049
66	MI Technological U.	33,149	0	1,324	3,772	5,401	5,731	11,512	2,462	2,947
67	U. UT	32,890	0	5,246	6,072	8,789	3,723	2,722	5,160	1,178
68	MI State U.	32,816	0	0	11,084	5,204	8,374	5,439	0	2,715
69	FL State U.	32,704	0	367	270	2,062	7,072	20,444	2,175	314
70	U. PA	31,213	0	7,173	6,000	0	5,623	3,993	5,559	2,865
71	U. ND all campuses	31,074	0	0	1,340	131	538	128	0	28,937
72	U. Central FL	29,071	3,578	6,511	0	4,343	5,588	3,337	4,364	1,350
73	Rutgers, The State U. NJ all campuses	29,011	0	2,477	4,805	3,534	6,510	2,885	6,688	2,112

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
74	WV U.	28,128	12	0	4,112	3,680	5,978	12,055	136	2,155
75	Rice U.	28,054	0	9,458	1,663	1,435	9,258	1,614	4,599	27
76	CO State U.	27,282	0	0	940	11,156	10,721	3,827	0	638
77	U. CA, Riverside	26,716	0	190	2,170	8,237	2,550	1,349	12,220	0
78	Woods Hole Oceanographic Institution	26,511	0	0	0	0	0	0	0	26,511
79	Boston U.	26,454	1,370	16,102	0	0	4,840	1,370	2,454	318
80	U. MO-Columbia	25,937	0	222	2,780	5,249	7,061	2,624	5,121	2,880
81	Lehigh U.	25,934	0	0	2,462	6,656	6,187	2,454	5,552	2,623
82	Northeastern U.	25,833	0	0	2,081	1,497	12,989	6,640	0	2,626
83	U. SC all campuses	25,084	0	0	9,790	1,455	7,945	4,699	0	1,195
84	Old Dominion U.	24,343	7,697	0	0	597	9,130	698	0	6,221
85	U. MO-Rolla	24,220	0	0	0	0	4,299	2,663	5,741	11,517
86	OR State U.	22,802	121	7,321	271	5,548	1,935	1,482	1,073	5,051
87	U. NH	22,783	0	0	353	7,021	11,581	1,472	2,164	192
88	WA State U.	22,757	0	799	622	3,397	3,087	2,642	3,917	8,293
89	Harvard U.	21,587	0	0	0	0	0	0	0	21,587
90	U. AR main campus	21,388	0	668	1,489	3,403	6,595	2,261	0	6,972
91	U. Pittsburgh all campuses	20,606	0	5,991	4,757	2,082	2,050	2,295	1,486	1,945
92	FL International U.	20,496	0	909	0	9,858	864	2,651	357	5,857
93	U. IL Chicago	20,246	0	5,389	700	1,974	4,880	6,632	0	671
94	U. OK all campuses	20,141	0	0	2,365	2,576	4,236	2,122	0	8,842
95	U. TX Arlington	19,629	0	2,059	0	1,241	2,157	927	850	12,395
96	KS State U.	19,450	0	0	2,608	3,158	758	2,933	0	9,993
97	Dartmouth C.	19,429	0	0	0	786	5,090	2,738	10,815	0
98	U. TX Dallas	19,349	0	0	0	0	19,349	0	0	0
99	Brown U.	19,277	0	386	578	0	12,337	3,855	2,121	0
100	U. AK Fairbanks all campuses	19,159 i	0 i	0 i	844 i	11,235 i	4,513 i	1,163 i	1,404 i	0 i
101	U. KS all campuses	18,401	1,216	465	5,583	4,568	5,826	170	0	573
102	OH U. all campuses	18,025	7,412	2	2,934	2,012	128	4,799	0	738
103	U. ME	17,656	0	0	3,593	4,298	2,852	779	4,647	1,487
104	OK State U. all campuses	17,409	438	0	1,321	1,734	2,254	2,656	0	9,006
105	Washington U. St. Louis	17,119	0	7,610	1,831	3,110	1,760	1,779	450	579
106	U. NM main campus	17,018	576	1,830	1,650	2,335	4,166	1,554	3,495	1,412
107	U. CT all campuses	16,784	0	0	3,370	4,285	4,130	2,700	1,325	974
108	TX Tech U.	16,750	0	0	2,263	4,931	4,630	1,321	2,685	920
109	U. NV, Las Vegas	16,633	0	0	0	2,918	580	13,135	0	0
110	Wayne State U.	16,620	0	4,482	2,141	930	4,218	4,320	0	529

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
111	U. Louisville	16,451	0	3,725	449	1,715	1,833	1,054	3,209	4,466
112	U. Houston	16,296	1,891	0	3,549	2,185	3,422	1,562	2,621	1,066
113	MT State U. Bozeman	16,286	0	3,130	1,047	6,364	2,817	760	0	2,168
114	U. of Notre Dame	16,239	4,108	2,841	1,316	3,625	4,349	0	0	0
115	CO School of Mines	16,193	0	0	4,481	3,143	0	0	4,828	3,741
116	SUNY Binghamton	15,794	0	1,422	0	0	2,202	3,545	0	8,625
117	Stevens Institute of Technology	15,330	0	0	2,090	31	2,199	852	140	10,018
118	U. AL, The	15,214	576	0	1,976	2,716	381	1,826	2,561	5,178
119	U. ID	14,756	721	0	844	2,634	5,095	2,104	494	2,864
120	Mercer U. all campuses	14,435	4,840	0	0	0	1,091	3,673	4,831	0
121	CUNY The City C.	14,156	0	2,138	1,169	5,999	1,652	2,355	0	843
122	U. MA Lowell	13,556	0	0	425	651	1,655	2,779	2,082	5,964
123	Yale U.	13,131	0	1,208	2,518	0	3,022	2,117	0	4,266
124	U. NV, Reno	12,829	29	26	470	2,931	913	2,270	6,051	139
125	U. Toledo	12,326	0	1,301	2,949	751	171	6,488	99	567
126	SD School of Mines and Technology	12,104	0	1,878	896	2,123	272	839	4,550	1,546
127	Clarkson U.	12,015	0	0	3,951	3,750	2,002	2,312	0	0
128	ND State U. all campuses	11,947	0	0	0	584	302	578	0	10,483
129	Naval Postgraduate School	11,854	3,596	0	0	0	2,796	2,479	342	2,641
130	Emory U.	11,667	0	11,667	0	0	0	0	0	0
131	San Diego State U.	11,564	244	0	0	5,099	5,144	1,053	0	24
132	Brigham Young U. all campuses	11,261	0	0	2,177	2,109	3,768	2,697	0	510
133	Southern IL U. Carbondale	10,936	0	0	0	339	921	1,564	1,582	6,530
134	U. WY	10,318	0	0	4,529	2,842	1,413	1,534	0	0
135	FL Atlantic U.	10,279	0	0	0	342	482	173	0	9,282
136	TN Technological U.	9,894	0	0	614	2,280	2,883	4,087	0	30
137	U. PR Mayaguez Campus	9,762	0	0	1,152	2,241	5,028	388	0	953
138	George Washington U.	9,749	1,779	0	0	4,545	1,848	0	0	1,577
139	NC Agricultural and Technical State U.	9,401	0	0	2,376	708	2,411	1,926	0	1,980
140	U. HI Manoa	9,260	0	0	0	1,537	1,264	4,055	24	2,380
141	Worcester Polytechnic Institute	8,896	0	1,695	1,380	1,004	1,980	2,231	606	0
142	Tufts U.	8,786	0	2,666	1,140	1,250	229	2,013	0	1,488
143	Rochester Institute of Technology	8,643	0	0	0	0	2,498	1,090	0	5,055
144	U. MD Baltimore County	8,620	0	0	3,022	77	3,703	1,818	0	0
145	U. NC Charlotte	8,005	0	0	0	1,263	1,873	1,754	0	3,115
146	Air Force Institute of Technology	7,963	1,342	749	0	0	4,687	0	709	476
147	Syracuse U. all campuses	7,916	0	1,465	17	121	1,619	4,339	0	355

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
148	U. GA	7,880	0	0	0	0	0	0	0	7,880
149	U. Tulsa	7,878	0	0	6,614	0	161	1,103	0	0
150	U. TX El Paso	7,830	0	367	0	3,169	1,411	720	321	1,842
151	U.S. Air Force Academy	7,811	4,087	0	0	273	1,301	2,150	0	0
152	Polytechnic U.	7,552	0	929	0	1,508	4,366	749	0	0
153	U. RI	7,386	0	0	1,778	2,549	746	1,638	0	675
154	CA State U. Long Beach	7,379	0	0	0	954	146	688	0	5,591
155	Marshall U.	7,260	0	0	0	1,700	0	0	5,099	461
156	Wright State U. all campuses	7,144	0	1,548	0	0	1,911	1,486	900	1,299
157	LA Tech U.	7,076	0	2,145	288	1,409	1,163	1,186	566	319
158	U. Akron all campuses	7,070	0	185	3,946	1,152	391	1,396	0	0
159	U. Memphis, The	7,068	0	1,717	0	1,326	2,884	952	0	189
160	U. AL Birmingham, The	6,923	0	894	0	817	192	3,014	2,006	0
161	IL Institute of Technology	6,716	0	1,633	1,956	240	1,538	1,349	0	0
162	U. MS all campuses	6,149	0	0	606	719	1,696	391	606	2,131
163	SUNY C. of Environmental Science and Forestry	5,951	0	0	2,132	705	0	0	0	3,114
164	Wheeling Jesuit U.	5,872	5,872	0	0	0	0	0	0	0
165	Morgan State U.	5,850	0	0	0	360	1,244	0	0	4,246
166	Tulane U.	5,273	0	547	2,646	189	431	1,460	0	0
167	U. WI Milwaukee	5,246	0	0	0	930	971	1,098	683	1,564
168	Boise State U.	4,982	0	0	0	9	566	317	3,159	931
169	U.S. Naval Academy	4,922	1,270	0	0	0	896	1,741	0	1,015
170	Western MI U.	4,919	1,021	0	1,916	0	147	894	0	941
171	Villanova U.	4,773	0	0	63	812	2,473	1,425	0	0
172	Alfred U. all campuses	4,686	0	0	0	0	147	28	4,511	0
173	IN U. all campuses	4,664	0	2,457	0	8	873	655	0	671
174	Howard U.	4,647	0	0	57	1,672	977	34	0	1,907
175	U. MA Dartmouth	4,608	10	6	0	503	356	531	1,229	1,973
176	Cleveland State U.	4,547	1,218	61	539	593	741	271	0	1,124
177	Portland State U.	4,516	186	283	0	1,765	994	392	762	134
178	George Mason U.	4,510	0	0	0	552	2,775	0	0	1,183
179	VA Commonwealth U.	4,327	0	405	751	0	2,022	1,149	0	0
180	U. LA Lafayette	4,120	0	0	839	1,393	497	164	0	1,227
181	U. CA, Merced	3,923	0	798	0	1,908	833	296	21	67
182	U. North TX	3,726	0	0	0	0	9	15	2,661	1,041
183	OR Institute of Technology	3,721	11	0	0	115	0	3	0	3,592
184	Marquette U.	3,572	0	2,050	0	293	703	260	0	266

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
185	Temple U.	3,551	0	1,195	0	400	820	1,136	0	0
186	Jackson State U.	3,399	0	81	1,061	2,257	0	0	0	0
187	SD State U.	3,293	0	0	0	69	1,151	266	0	1,807
188	TX A&M U. Kingsville	3,180	0	0	70	123	40	61	0	2,886
189	Northern IL U.	3,103	0	0	0	0	7	170	0	2,926
190	U. TX M. D. Anderson Cancer Ctr.	3,074	0	3,074	0	0	0	0	0	0
191	U. Miami	3,000	0	642	0	570	1,151	277	0	360
192	Oakland U.	2,983	0	0	0	0	679	1,557	0	747
193	Milwaukee School of Engineering	2,952	5	59	0	969	75	1,844	0	0
194	FL A&M U.	2,919	0	0	116	333	346	1,486	0	638
195	U. TX San Antonio	2,881	20	804	0	180	1,104	773	0	0
196	San Jose State U.	2,744	41	0	961	292	255	132	0	1,063
197	Lamar U.	2,739	0	0	2,304	173	13	3	0	246
198	Prairie View A&M U.	2,739	351	0	414	49	1,176	608	0	141
199	U. VT	2,723	0	0	0	752	169	620	0	1,182
200	Southern IL U. Edwardsville	2,613	0	0	0	417	559	1,630	0	7
201	TN State U.	2,536	46	0	0	144	1,127	836	0	383
202	MT Tech of the U. MT	2,423	0	0	86	0	0	0	1,356	981
203	U. Denver	2,412	987	472	0	0	0	61	687	205
204	Pittsburg State U.	2,287	65	0	856	0	0	30	991	345
205	U. TX Medical Branch	2,243	0	2,243	0	0	0	0	0	0
206	U.S. Military Academy	2,168	0	0	0	133	348	351	0	1,336
207	Kettering U.	2,104	0	0	0	0	82	1,904	0	118
208	CA State Polytechnic U. San Luis Obispo	2,037	102	0	0	128	149	311	28	1,319
209	Lawrence Technological U.	2,001	0	0	0	1,845	0	156	0	0
210	Southern Methodist U.	1,957	0	0	0	174	883	885	0	15
211	Embry-Riddle Aeronautical U.	1,936	1,445	37	0	0	165	44	0	245
212	U. TX-Pan American	1,899	0	0	0	0	129	1,265	0	505
213	Rowan U.	1,802	0	0	322	439	432	494	0	115
214	Eastern MI U.	1,695	0	0	0	0	0	49	1,646	0
215	Rose-Hulman Institute of Technology	1,660	0	192	129	0	287	664	0	388
216	FL Institute of Technology	1,635	0	0	253	213	237	932	0	0
217	U. South AL	1,625	0	0	23	441	823	88	0	250
218	Central State U.	1,624	0	0	116	812	0	0	116	580
219	ID State U.	1,560	0	0	0	0	0	0	0	1,560
220	Williams C.	1,533 i	231 i	55 i	86 i	117 i	366 i	433 i	0 i	245 i
221	CA State U. Los Angeles	1,482	770	0	0	180	261	247	0	24

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
222	Tuskegee U.	1,433	401	0	340	0	158	534	0	0
223	Catholic U. America, The	1,428	0	401	0	253	350	424	0	0
224	U. Hartford	1,347	268	0	0	0	0	1,045	0	34
225	Dowling C.	1,343	1,343	0	0	0	0	0	0	0
226	U. of the Pacific	1,329	0	0	0	0	0	38	0	1,291
227	Bradley U.	1,281	0	0	0	86	114	747	0	334
228	West TX A&M U.	1,248	0	0	0	0	0	0	0	1,248
229	Hampton U.	1,243	0	0	433	0	96	0	0	714
230	U. Central AR	1,216 i	97 i	5 i	15 i	257 i	204 i	226 i	19 i	393 i
231	Southern U. and A&M C. all campuses	1,132	0	0	0	0	479	553	0	100
232	CA State U. Northridge	1,130	0	0	0	0	236	699	0	195
233	Northern AZ U.	1,129	0	89	92	156	6	744	0	42
234	Polytechnic U. PR	1,127	0	0	0	0	285	0	0	842
235	Humboldt State U.	1,096	0	0	0	1,096	0	0	0	0
236	U. DC	1,079	0	0	1,079	0	0	0	0	0
237	U. OR	960	0	0	0	960	0	0	0	0
238	U. North FL	957	0	0	0	153	1	290	0	513
239	Albany State U.	952	0	0	0	0	0	0	0	952
240	U.S. Coast Guard Academy	916	0	0	0	73	843	0	0	0
241	Grand Valley State U.	837	0	837	0	0	0	0	0	0
242	Bucknell U.	828	0	5	119	344	45	223	0	92
243	U. AR Little Rock	799 i	529 i	0 i	9 i	0 i	0 i	0 i	215 i	46 i
244	AL A&M U.	782	0	0	0	0	264	158	0	360
245	CA State U. Chico	773 i	0 i	0 i	0 i	366 i	407 i	0 i	0 i	0 i
246	U. MO-Kansas City	709	0	0	0	0	286	0	0	423
247	Norfolk State U.	707	0	0	0	0	341	0	0	366
248	U. AK Anchorage all campuses	699	0	0	0	0	59	178	0	462
249	Miami U. all campuses	688 i	13 i	0 i	0 i	0 i	0 i	0 i	0 i	675 i
250	Baylor U.	648	0	0	0	0	380	268	0	0
251	U. WI La Crosse	629	6	0	0	0	0	0	0	623
252	Smith C.	619	80	316	0	55	0	44	12	112
253	Savannah State U.	591	0	0	0	0	0	0	0	591
254	VA State U.	584	0	5	17	45	0	0	0	517
255	U. Southern MS	552	0	0	0	552	0	0	0	0
256	VA Military Institute	549	0	0	0	514	14	21	0	0
257	St. Louis U. all campuses	544	238	194	0	0	0	0	0	112
258	U. TX Tyler	541	0	0	0	397	66	78	0	0

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
259	Harvey Mudd C.	540	5 i	0 i	34 i	5 i	30 i	430 i	0 i	36 i
260	Union C. (Schenectady, NY)	522	0	0	0	0	133	248	0	141
261	Manhattan C.	518 i	0 i	0 i	0 i	102 i	0 i	0 i	0 i	416 i
262	MS Valley State U.	514	9	0	0	0	0	0	0	505
263	NY Institute of Technology all campuses	501	0	0	0	0	501	0	0	0
264	TX A&M U. System Health Science Ctr.	477	54	149	0	0	0	0	0	274
265	Loyola Marymount U.	430	0	0	0	33	17	380	0	0
266	Hampshire C.	427	0	0	0	0	0	0	0	427
267	Benedict C.	425	0	0	0	0	425	0	0	0
268	Saginaw Valley State U.	409	0	0	0	0	7	402	0	0
269	Bowling Green State U. all campuses	390	0	0	0	0	0	80	0	310
270	Clark Atlanta U.	379	0	0	155	0	72	152	0	0
271	MN State U. Mankato	370	0	0	0	0	6	115	0	249
272	LeTourneau U.	369	0	197	0	0	0	0	172	0
273	U. West FL	367	0	0	0	0	0	0	0	367
274	Seattle U.	358 i	0 i	0 i	0 i	114 i	24 i	60 i	1 i	159 i
275	Lafayette C.	350	0	0	15	279	21	35	0	0
276	U. PR Rio Piedras Campus	337	0	0	0	337	0	0	0	0
277	CA State U. San Bernardino	335	0	0	0	335	0	0	0	0
278	East Carolina U.	315	0	0	0	0	0	0	163	152
279	U. Central OK	300	0	230	0	0	0	0	0	70
280	Hope C.	287	117	0	0	0	0	170	0	0
281	U. CA Office of the President	286	0	0	0	0	0	0	0	286
282	Sinte Gleska U.	281	0	0	0	0	0	0	120	161
283	Ball State U.	275	0	0	0	273	0	0	0	2
284	San Francisco State U.	242	0	0	0	0	159	83	0	0
285	St. Cloud State U.	242	0	10	0	0	51	139	0	42
286	James Madison U.	232	0	41	49	0	104	38	0	0
287	U. Portland	210	0	0	0	210	0	0	0	0
288	C. NJ, The	205	0	0	0	0	10	62	0	133
289	Morehead State U.	195	0	0	5	0	190	0	0	0
290	Santa Clara U.	195 i	15 i	29 i	11 i	10 i	39 i	29 i	21 i	41 i
291	CA State U. Sacramento	183	0	0	0	183	0	0	0	0
292	TX State U. San Marcos	175	0	0	0	0	0	0	0	175
293	Cooper Union	171	0	0	78	0	0	0	0	93
294	Western Carolina U.	167	0	0	6	0	0	14	0	147
295	Swarthmore C.	161	0	20	0	19	24	98	0	0

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
296	Medical U. SC	154	0	154	0	0	0	0	0	0
297	TX A&M U. Corpus Christi	153	14	37	0	4	0	0	0	98
298	AR State U. main campus	150	0	0	0	0	90	55	0	5
299	DE State U.	143	0	0	106	0	0	0	0	37
300	Central MI U.	142	0	0	0	0	45	17	0	80
301	U. Detroit Mercy	135 i	0 i	0 i	0 i	0 i	0 i	135 i	0 i	0 i
302	Nicholls State U.	128	0	0	0	0	0	0	0	128
303	Hofstra U.	125	0	0	0	0	0	0	0	125
304	U. WI Platteville	125	0	0	0	101	20	2	0	2
305	Western KY U.	125	0	0	0	0	0	0	0	125
306	Calvin C.	123	0	0	54	0	0	36	0	33
307	Fairfield U.	123	0	0	0	0	0	0	0	123
308	East TN State U.	121	0	0	0	0	0	0	0	121
309	U. Southern ME	114	114	0	0	0	0	0	0	0
310	Claremont McKenna C.	112 i	78 i	2 i	0 i	3 i	8 i	17 i	2 i	2 i
311	Wilkes U.	106	0	0	0	0	0	100	0	6
312	Jacksonville U.	99	0	0	99	0	0	0	0	0
313	U. MA Boston	97	0	0	0	0	97	0	0	0
314	TX Christian U.	96	0	0	0	0	47	49	0	0
315	Trinity C. (Hartford, CT)	82	25	16	0	0	25	16	0	0
316	Southern Polytechnic State U.	79	72	0	0	0	0	0	7	0
317	Hendrix C.	76	76	0	0	0	0	0	0	0
318	Murray State U.	76	0	0	0	0	0	0	0	76
319	CA State U. Fullerton	74	74	0	0	0	0	0	0	0
320	U. NC Asheville	72	0	0	0	0	0	72	0	0
321	Siena C.	71 i	28 i	0 i	1 i	6 i	9 i	12 i	0 i	15 i
322	SC State U.	65	0	0	0	65	0	0	0	0
323	Oglala Lakota C.	59	0	0	0	0	0	0	0	59
324	U. WI Stevens Point	59	0	0	52	7	0	0	0	0
325	Youngstown State U.	59	0	0	0	14	26	19	0	0
326	Winona State U.	58	0	0	0	58	0	0	0	0
327	Sweet Briar C.	55	0	0	0	0	0	0	0	55
328	Middle TN State U.	51	18	0	0	0	0	0	0	33
329	Bard C.	46 i	32 i	1 i	0 i	1 i	3 i	7 i	1 i	1 i
330	CA State Polytechnic U. Pomona	45	0	0	0	0	0	45	0	0
331	Mills C.	43 i	1 i	9 i	6 i	6 i	3 i	12 i	0 i	6 i
332	Valparaiso U.	43	0	0	0	0	0	43	0	0

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
333	U. Houston-Clear Lake	41	41	0	0	0	0	0	0	0
334	U. MD Eastern Shore	41	41	0	0	0	0	0	0	0
335	Western WA U.	40	0	0	0	14	0	17	9	0
336	KY State U.	37	0	36	0	0	0	1	0	0
337	TX A&M U. Commerce	37	0	0	0	0	0	0	0	37
338	Southwestern OK State U.	36	0	0	0	0	0	36	0	0
339	Wilberforce U.	36	36	0	0	0	0	0	0	0
340	CUNY C. Staten Island	35	0	0	0	0	0	0	0	35
341	Tarleton State U.	35	0	0	0	0	0	0	0	35
342	DePauw U.	34 i	21 i	4 i	1 i	1 i	2 i	4 i	0 i	1 i
343	St. Mary's U. (San Antonio, TX)	34	0	34	0	0	0	0	0	0
344	U. New Haven	34	0	0	5	0	0	0	0	29
345	Xavier U. LA	31	31	0	0	0	0	0	0	0
346	U. of St. Thomas (St. Paul, MN)	27	0	0	0	0	0	0	0	27
347	CA State U. Fresno	21 i	0 i	0 i	0 i	20 i	0 i	1 i	0 i	0 i
348	Eastern WA U.	20	0	0	0	0	20	0	0	0
349	Edward Waters C.	20 i	12 i	0 i	0 i	0 i	1 i	3 i	0 i	4 i
350	Seattle Pacific U.	20 i	12 i	0 i	0 i	0 i	1 i	3 i	0 i	4 i
351	CA State U. East Bay	18	0	5	0	0	0	0	0	13
352	Fairleigh Dickinson U. all campuses	16 i	1 i	2 i	1 i	1 i	3 i	3 i	2 i	3 i
353	Trinity U.	15	2	0	13	0	0	0	0	0
354	AR Tech U.	14 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	14 i
355	William Paterson U. NJ	14 i	0 i	0 i	2 i	2 i	1 i	2 i	1 i	6 i
356	McNeese State U.	12	0	0	0	0	0	0	0	12
357	Sonoma State U.	11	0	0	0	0	0	4	0	7
358	Vassar C.	6	6	0	0	0	0	0	0	0
359	Andrews U.	3	0	0	0	0	2	0	1	0
360	U. San Diego	3	0	0	0	0	0	0	0	3

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
361	Eastern IL U.	2	0	0	0	1	0	0	1	0
362	Elizabeth City State U.	1	1	0	0	0	0	0	0	0
363	Kent State U. all campuses	1	0	0	0	0	0	0	0	1

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$488,370 in total R&D expenditures in engineering in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
	All institutions	4,461,928	293,693	320,317	323,587	360,742	1,103,339	699,866	381,909	978,475
1	Johns Hopkins U., The ^a	518,939	49,733 i	19,931 i	11,007 i	10,073 i	154,055 i	103,800 i	736 i	169,604 i
2	GA Institute of Technology all campuses	180,240	25,271	12,579	6,713	6,230	79,592	33,084	8,365	8,406
3	MA Institute of Technology	159,443	16,257	28,422	13,643	6,970	22,729	11,384	12,255	47,783
4	PA State U. all campuses	150,402	5,820	3,246	10,470	2,798	49,645	36,375	41,753	295
5	U. MI all campuses	115,360	4,658	8,356	6,187	7,061	27,864	18,448	5,410	37,376
6	Stanford U.	106,318	6,848	11,589	4,137	5,354	23,492	18,425	1,153	35,320
7	U. TX Austin	95,189	9,324	3,942	5,228	2,730	31,369	9,162	13,730	19,704
8	U. Rochester	81,962	0	879	474	0	2,108	70,975	0	7,526
9	U. IL Urbana-Champaign	73,746	4,496	1,912	4,866	10,489	23,001	15,971	10,414	2,597
10	NM State U. main campus	64,294	4,195	0	1,726	3,708	3,864	330	254	50,217
11	U. WA	60,997	4,435	11,186	3,312	6,901	17,589	5,021	4,490	8,063
12	Purdue U. all campuses	57,411	4,794	1,758	3,410	2,729	21,686	9,897	2,384	10,753
13	U. Dayton	57,400	6,907	0	3,593	27	4,566	7,874	32,331	2,102
14	U. WI Madison	56,200	0	1,553	4,977	4,992	7,325	2,185	3,201	31,967
15	VA Polytechnic Institute and State U.	54,422	3,211	883	1,745	10,759	10,417	12,019	7,164	8,224
16	U. MD College Park	54,231	10,659	565	1,397	5,724	15,326	8,590	5,564	6,406
17	U. CA, Berkeley	53,721	0	0	2,141	6,088	33,894	0	0	11,598
18	UT State U.	52,907	3,708	0	639	1,361	42,205	4,373	0	621
19	TX A&M U.	52,215	9,451	2,002	3,148	6,723	2,666	9,452	487	18,286
20	U. CA, Santa Barbara	48,914	0	8,207	4,069	0	24,219	1,463	10,919	37
21	Cornell U. all campuses	48,755	5,508	0	2,857	2,098	7,734	780	1,774	28,004
22	OH State U. all campuses	46,179	1,888	874	3,296	2,771	7,085	14,244	12,699	3,322
23	Carnegie Mellon U.	45,295	612	6,173	3,457	3,288	15,415	2,820	4,374	9,156
24	U. FL	44,468	6,431	3,981	2,693	7,163	6,574	3,942	7,320	6,364
25	Northwestern U.	43,746	0	4,944	4,022	1,429	6,947	4,053	13,907	8,444
26	NM Institute of Mining and Technology	43,690	0	0	3,990	0	0	0	538	39,162
27	NC State U.	40,967	4,796	1,895	7,491	3,837	8,217	1,834	3,264	9,633
28	MS State U.	38,912	6,811	582	5,092	1,001	8,514	4,221	4,292	8,399
29	CA Institute of Technology	38,220	4,558	895	2,685	2,588	5,820	5,398	5,932	10,344
30	U. CA, San Diego	37,232	0	7,744	0	0	18,300	3,314	0	7,874
31	U. DE	34,066	0	757	5,984	4,991	12,734	4,668	4,814	118
32	Princeton U.	33,883	6,292	0	4,915	3,049	7,595	0	12,032	0
33	Columbia U. in the City of NY	32,606	0	5,833	4,051	839	3,276	2,811	673	15,123
34	U. CO all campuses	31,985	12,460	903	5,171	5,424	3,654	3,777	0	596
35	U. Southern CA	31,819	1,675	8,038	1,393	1,956	13,031	321	1,223	4,182
36	AZ State U.	31,214	12	4,067	6,603	2,232	12,098	3,009	2,018	1,175

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
37	U. MN all campuses	31,190	4,287	2,673	4,009	7,127	3,380	6,599	0	3,115
38	Vanderbilt U.	29,865	0	4,572	1,601	3,211	18,056	2,368	0	57
39	Clemson U.	29,777	0	2,142	6,036	2,578	4,372	4,330	6,251	4,068
40	U. VA all campuses	29,676	0	4,438	1,009	1,012	6,999	5,786	7,942	2,490
41	Rensselaer Polytechnic Institute	28,455	0	1,301	4,634	4,419	6,932	7,503	3,256	410
42	U. CA, Santa Cruz	27,906	0	0	0	0	2,775	0	0	25,131
43	U. CA, Los Angeles	27,739	652	616	1,965	888	11,755	9,792	2,057	14
44	U. TN all campuses	27,704	4,080	216	706	5,467	5,927	0	5,123	6,185
45	Duke U.	27,665	0	11,574	0	2,577	7,798	1,672	0	4,044
46	FL State U.	26,896	0	122	116	1,011	6,609	16,938	2,081	19
47	SUNY Buffalo all campuses	26,526	0	1,652	9,007	4,164	891	7,309	352	3,151
48	Case Western Reserve U.	25,844	0	6,920	2,154	171	4,366	3,578	5,264	3,391
49	Auburn U. all campuses	25,799	1,048	0	3,652	1,719	3,122	1,390	1,897	12,971
50	IA State U.	25,501	4,509	0	1,539	4,728	1,994	1,272	3,078	8,381
51	Drexel U.	25,009	0	3,835	1,868	1,093	9,054	5,761	3,398	0
52	U. CA, Davis	24,857	0	7,728	6,152	1,579	3,239	1,955	0	4,204
53	U. AZ	24,279	2,074	511	1,119	6,318	8,008	5,021	155	1,073
54	U. AL Huntsville, The	23,873	0	0	0	1,163	3,276	6,133	0	13,301
55	Boston U.	23,802	1,265	14,241	0	0	4,775	1,265	1,938	318
56	NJ Institute of Technology	23,650	0	1,778	4,246	640	2,005	815	0	14,166
57	Rice U.	22,087	0	6,973	910	1,077	7,571	1,300	4,256	0
58	Woods Hole Oceanographic Institution	21,581	0	0	0	0	0	0	0	21,581
59	U. KY all campuses	21,032	0	423	959	6,333	6,582	475	1,068	5,192
60	U. PA	20,842	0	3,901	5,120	0	4,046	2,103	4,143	1,529
61	U. ND all campuses	20,257	0	0	674	92	301	83	0	19,107
62	U. UT	19,283	0	4,543	4,078	2,352	2,937	1,588	3,165	620
63	CO State U.	19,049	0	0	779	7,912	9,028	980	0	350
64	WV U.	17,899	0	0	2,965	2,939	4,263	6,365	126	1,241
65	Harvard U.	17,812	0	0	0	0	0	0	0	17,812
66	U. MA Amherst	17,723	0	0	7,495	938	7,176	2,018	0	96
67	U. IA	17,505	0	267	1,034	7,415	1,472	3,783	0	3,534
68	U. South FL	17,262	0	0	1,630	5,946	5,502	3,431	0	753
69	MI Technological U.	17,070	0	420	2,275	2,455	4,640	6,048	672	560
70	U. CA, Riverside	16,795	0	143	1,490	881	1,412	795	12,074	0
71	U. SC all campuses	16,453	0	0	5,659	940	6,650	2,732	0	472
72	U. Cincinnati all campuses	16,182	1,660	2,370	3,577	4,776	2,138	1,661	0	0
73	U. NE all campuses	16,105	482	493	5,524	3,088	2,641	1,135	0	2,742

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
74	U. AK Fairbanks all campuses	15,170 i	0 i	0 i	589 i	8,600 i	3,983 i	1,036 i	962 i	0 i
75	FL International U.	14,761	0	215	0	7,492	448	2,499	307	3,800
76	U. NV, Las Vegas	14,567	0	0	0	1,917	478	12,172	0	0
77	OR State U.	14,373	117	4,536	183	3,422	1,033	501	346	4,235
78	U. Pittsburgh all campuses	14,365	0	4,813	3,759	479	1,300	1,895	1,320	799
79	Stevens Institute of Technology	14,354	0	0	1,824	0	2,114	742	140	9,534
80	Lehigh U.	14,244	0	0	1,679	2,504	3,273	1,619	4,096	1,073
81	U. MO-Rolla	13,972	0	0	0	0	2,235	1,953	3,634	6,150
82	U. NH	13,836	0	0	158	5,391	5,254	1,278	1,755	0
83	Northeastern U.	13,714	0	0	579	516	8,139	3,864	0	616
84	Old Dominion U.	13,636	3,964	0	0	79	5,674	433	0	3,486
85	U. CA, Irvine	13,518	0	2,626	877	1,309	5,529	3,175	0	2
86	U. Central FL	13,370	1,423	3,412	0	1,525	3,430	1,702	708	1,170
87	Rutgers, The State U. NJ all campuses	12,967	0	294	3,448	451	3,491	1,365	3,596	322
88	Dartmouth C.	12,793	0	0	0	501	4,079	1,900	6,313	0
89	MI State U.	12,666	0	0	3,465	2,025	3,732	2,710	0	734
90	MT State U. Bozeman	11,761	0	2,842	930	3,967	2,327	629	0	1,066
91	U. NM main campus	11,730	507	1,744	809	1,259	3,649	665	1,889	1,208
92	Naval Postgraduate School	11,649	3,596	0	0	0	2,685	2,448	320	2,600
93	U. of Notre Dame	11,422	2,094	1,709	1,315	2,629	3,675	0	0	0
94	LA State U. all campuses	11,344	0	0	830	1,368	1,391	1,758	719	5,278
95	Brown U.	11,238	0	225	337	0	7,192	2,248	1,236	0
96	OK State U. all campuses	11,162	134	0	714	1,099	1,236	671	0	7,308
97	WA State U.	11,143	0	721	395	1,979	1,046	1,454	2,657	2,891
98	U. AL, The	11,062	560	0	1,585	2,083	371	1,495	1,564	3,404
99	U. TX Arlington	10,998	0	1,494	0	110	1,144	195	426	7,629
100	U. IL Chicago	10,747	0	1,851	440	691	3,322	4,174	0	269
101	SUNY Stony Brook all campuses	10,663	0	4,648	0	0	2,258	765	2,336	656
102	U. ID	10,362	371	0	670	1,490	4,379	1,761	308	1,383
103	U. NV, Reno	10,303	25	5	290	1,623	806	1,742	5,756	56
104	U. KS all campuses	10,280	719	158	3,116	2,643	3,531	113	0	0
105	Emory U.	10,278	0	10,278	0	0	0	0	0	0
106	Washington U. St. Louis	10,270	0	5,753	258	1,601	752	977	450	479
107	Mercer U. all campuses	9,829	3,617	0	0	0	995	2,046	3,171	0
108	CO School of Mines	9,670	0	0	1,668	2,647	0	0	2,213	3,142
109	SD School of Mines and Technology	9,299	0	1,565	873	1,264	202	832	3,923	640
110	Wichita State U.	9,295	8,304	0	0	0	154	139	0	698

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
111	U. MO-Columbia	9,134	0	89	464	3,549	3,824	643	368	197
112	Yale U.	8,830	0	799	1,733	0	1,315	1,312	0	3,671
113	Wayne State U.	8,765	0	1,271	1,250	413	3,177	2,556	0	98
114	ND State U. all campuses	8,720	0	0	0	337	219	276	0	7,888
115	U. AR main campus	8,418	0	66	548	1,723	2,392	937	0	2,752
116	OH U. all campuses	8,304	5,167	0	580	1,203	29	1,321	0	4
117	NC Agricultural and Technical State U.	8,278	0	0	2,358	511	2,347	1,756	0	1,306
118	U. ME	8,087	0	0	872	2,984	1,263	415	2,553	0
119	KS State U.	8,080	0	0	1,783	1,224	432	2,096	0	2,545
120	U. CT all campuses	8,045	0	0	2,109	1,569	2,367	1,280	406	314
121	FL Atlantic U.	7,981	0	0	0	64	99	138	0	7,680
122	CUNY The City C.	7,912	0	1,469	479	4,088	129	1,747	0	0
123	U. Houston	7,736	646	0	1,500	1,005	1,766	735	1,559	525
124	TX Tech U.	7,731	0	0	1,470	2,213	2,954	668	143	283
125	Brigham Young U. all campuses	7,672	0	0	1,081	1,527	3,496	1,449	0	119
126	U.S. Air Force Academy	7,654	3,933	0	0	273	1,301	2,147	0	0
127	U. OK all campuses	7,584	0	0	372	953	2,353	592	0	3,314
128	U. Louisville	7,488	0	1,938	77	545	77	610	2,655	1,586
129	U. Toledo	7,191	0	22	1,231	376	24	5,463	75	0
130	CA State U. Long Beach	6,905	0	0	0	948	127	322	0	5,508
131	U. MD Baltimore County	6,737	0	0	2,702	0	2,999	1,036	0	0
132	U. HI Manoa	6,447	0	0	0	590	677	3,873	24	1,283
133	Tufts U.	6,270	0	2,412	983	1,119	217	810	0	729
134	George Washington U.	6,215	1,561	0	0	2,416	1,582	0	0	656
135	Marshall U.	6,119	0	0	0	858	0	0	4,804	457
136	Worcester Polytechnic Institute	6,054	0	1,399	616	656	1,498	1,885	0	0
137	Wheeling Jesuit U.	5,872	5,872	0	0	0	0	0	0	0
138	U. AL Birmingham, The	5,792	0	797	0	652	102	2,734	1,507	0
139	U. MA Lowell	5,777	0	0	36	164	504	748	931	3,394
140	San Diego State U.	5,776	0	0	0	1,036	4,281	459	0	0
141	Morgan State U.	5,761	0	0	0	273	1,242	0	0	4,246
142	Syracuse U. all campuses	5,468	0	941	17	3	1,008	3,499	0	0
143	U. RI	5,454	0	0	1,200	1,617	637	1,478	0	522
144	Clarkson U.	5,311	0	0	1,433	1,955	922	1,001	0	0
145	IL Institute of Technology	5,132	0	1,249	1,272	155	1,372	1,084	0	0
146	Boise State U.	4,685	0	0	0	9	433	312	3,047	884
147	U.S. Naval Academy	4,667	1,262	0	0	0	895	1,657	0	853

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
148	U. MS all campuses	4,616	0	0	548	570	1,587	274	0	1,637
149	U. NC Charlotte	4,602	0	0	0	343	438	1,098	0	2,723
150	Rochester Institute of Technology	4,594	0	0	0	0	694	679	0	3,221
151	Howard U.	4,449	0	0	11	1,604	931	34	0	1,869
152	TN Technological U.	4,389	0	0	557	440	1,602	1,761	0	29
153	Tulane U.	4,210	0	437	2,101	43	327	1,302	0	0
154	SUNY Binghamton	4,107	0	0	0	0	1,437	1,653	0	1,017
155	U. TX Dallas	3,829	0	0	0	0	3,829	0	0	0
156	Villanova U.	3,666	0	0	0	660	1,657	1,349	0	0
157	U. TX El Paso	3,576	0	35	0	466	1,060	661	246	1,108
158	U. PR Mayaguez Campus	3,471	0	0	668	722	1,144	303	0	634
159	George Mason U.	3,424	0	0	0	98	2,472	0	0	854
160	Wright State U. all campuses	3,384	0	832	0	0	1,487	815	250	0
161	U. Memphis, The	3,314	0	509	0	429	2,220	156	0	0
162	Air Force Institute of Technology	3,102	497	334	0	0	1,826	0	263	182
163	VA Commonwealth U.	3,082	0	216	468	0	1,772	626	0	0
164	U. Akron all campuses	3,029	0	4	1,366	758	144	757	0	0
165	IN U. all campuses	2,902	0	2,070	0	0	128	193	0	511
166	Jackson State U.	2,855	0	68	891	1,896	0	0	0	0
167	Cleveland State U.	2,818	1,164	41	282	507	512	156	0	156
168	SUNY Albany	2,668	0	0	0	0	0	0	0	2,668
169	FL A&M U.	2,667	0	0	116	315	261	1,337	0	638
170	Northern IL U.	2,616	0	0	0	0	2	103	0	2,511
171	San Jose State U.	2,548	41	0	955	155	220	132	0	1,045
172	U. Tulsa	2,546	0	0	2,392	0	2	152	0	0
173	Prairie View A&M U.	2,406	342	0	356	0	1,034	533	0	141
174	U. Miami	2,406	0	608	0	283	1,065	249	0	201
175	U. North TX	2,403	0	0	0	0	0	0	2,157	246
176	Polytechnic U.	2,396	0	100	0	297	1,312	687	0	0
177	U. GA	2,392	0	0	0	0	0	0	0	2,392
178	Marquette U.	2,180	0	1,397	0	145	592	46	0	0
179	U. MA Dartmouth	2,162	0	0	0	373	205	392	932	260
180	SD State U.	2,122	0	0	0	69	980	243	0	830
181	Oakland U.	2,085	0	0	0	0	413	1,101	0	571
182	TX A&M U. Kingsville	2,077	0	0	0	0	0	52	0	2,025
183	MT Tech of the U. MT	2,072	0	0	0	0	0	0	1,127	945
184	U. WI Milwaukee	1,888	0	0	0	233	311	326	139	879

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
185	TN State U.	1,850	46	0	0	79	591	784	0	350
186	Lamar U.	1,847	0	0	1,737	76	0	0	0	34
187	Portland State U.	1,846	184	106	0	804	561	138	53	0
188	Temple U.	1,779	0	346	0	163	744	526	0	0
189	U. WY	1,775	0	0	358	219	602	596	0	0
190	SUNY C. of Environmental Science and Forestry	1,737	0	0	718	246	0	0	0	773
191	U. Denver	1,715	911	135	0	0	0	61	466	142
192	U. TX San Antonio	1,671	20	240	0	39	784	588	0	0
193	U.S. Military Academy	1,627	0	0	0	110	185	318	0	1,014
194	Kettering U.	1,568	0	0	0	0	0	1,452	0	116
195	Central State U.	1,567	0	0	116	812	0	0	116	523
196	U. VT	1,562	0	0	0	509	135	473	0	445
197	OR Institute of Technology	1,551	11	0	0	113	0	0	0	1,427
198	Lawrence Technological U.	1,546	0	0	0	1,422	0	124	0	0
199	CA State U. Los Angeles	1,482	770	0	0	180	261	247	0	24
200	LA Tech U.	1,474	0	411	44	355	176	266	165	57
201	Southern Methodist U.	1,433	0	0	0	121	667	645	0	0
202	Embry-Riddle Aeronautical U.	1,425	1,044	0	0	0	165	44	0	172
203	Alfred U. all campuses	1,351	0	0	0	0	16	14	1,321	0
204	U. TX-Pan American	1,342	0	0	0	0	120	782	0	440
205	U. TX Medical Branch	1,329	0	1,329	0	0	0	0	0	0
206	FL Institute of Technology	1,301	0	0	175	113	172	841	0	0
207	Dowling C.	1,297	1,297	0	0	0	0	0	0	0
208	Hampton U.	1,243	0	0	433	0	96	0	0	714
209	Eastern MI U.	1,215	0	0	0	0	0	0	1,215	0
210	Tuskegee U.	1,214	401	0	134	0	145	534	0	0
211	Western MI U.	1,202	0	0	37	0	24	634	0	507
212	U. CA, Merced	1,152	0	156	0	955	0	41	0	0
213	West TX A&M U.	1,119	0	0	0	0	0	0	0	1,119
214	Rowan U.	1,097	0	0	104	258	284	336	0	115
215	U. South AL	1,096	0	0	15	339	479	46	0	217
216	Pittsburg State U.	1,086	65	0	0	0	0	0	991	30
217	Southern U. and A&M C. all campuses	1,068	0	0	0	0	479	519	0	70
218	Catholic U. America, The	1,066	0	238	0	220	275	333	0	0
219	Albany State U.	952	0	0	0	0	0	0	0	952
220	U.S. Coast Guard Academy	916	0	0	0	73	843	0	0	0
221	U. LA Lafayette	902	0	0	60	448	198	0	0	196

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
222	U. DC	867	0	0	867	0	0	0	0	0
223	U. Hartford	855	166	0	0	0	0	684	0	5
224	CA State Polytechnic U. San Luis Obispo	758	85	0	0	22	0	57	26	568
225	U. AR Little Rock	708 i	527 i	0 i	0 i	0 i	0 i	0 i	135 i	46 i
226	Southern IL U. Carbondale	698	0	0	0	35	428	80	98	57
227	AL A&M U.	646	0	0	0	0	218	154	0	274
228	CA State U. Northridge	616	0	0	0	0	207	319	0	90
229	U. AK Anchorage all campuses	602	0	0	0	0	0	172	0	430
230	Savannah State U.	591	0	0	0	0	0	0	0	591
231	Norfolk State U.	558	0	0	0	0	219	0	0	339
232	VA State U.	558	0	5	0	45	0	0	0	508
233	Smith C.	532	80	312	0	50	0	11	12	67
234	MS Valley State U.	514	9	0	0	0	0	0	0	505
235	U. TX M. D. Anderson Cancer Ctr.	514	0	514	0	0	0	0	0	0
236	St. Louis U. all campuses	508	234	194	0	0	0	0	0	80
237	CA State U. Chico	500 i	0 i	0 i	0 i	93 i	407 i	0 i	0 i	0 i
238	U. MO-Kansas City	490	0	0	0	0	189	0	0	301
239	U. TX Tyler	481	0	0	0	344	59	78	0	0
240	U. North FL	452	0	0	0	6	0	149	0	297
241	Milwaukee School of Engineering	448	4	53	0	121	4	266	0	0
242	TX A&M U. System Health Science Ctr.	427	54	128	0	0	0	0	0	245
243	Williams C.	420 i	208 i	1 i	8 i	7 i	112 i	47 i	0 i	37 i
244	Benedict C.	400	0	0	0	0	400	0	0	0
245	ID State U.	393	0	0	0	0	0	0	0	393
246	U. Central AR	393 i	97 i	0 i	13 i	29 i	91 i	74 i	14 i	75 i
247	Saginaw Valley State U.	384	0	0	0	0	0	384	0	0
248	Clark Atlanta U.	378	0	0	155	0	72	151	0	0
249	U. West FL	367	0	0	0	0	0	0	0	367
250	Bucknell U.	360	0	0	119	34	23	184	0	0
251	Loyola Marymount U.	336	0	0	0	14	17	305	0	0
252	CA State U. San Bernardino	335	0	0	0	335	0	0	0	0
253	U. Southern MS	329	0	0	0	329	0	0	0	0
254	Bowling Green State U. all campuses	326	0	0	0	0	0	76	0	250
255	Lafayette C.	302	0	0	4	268	2	28	0	0
256	Manhattan C.	302 i	0 i	0 i	0 i	102 i	0 i	0 i	0 i	200 i
257	Northern AZ U.	294	0	80	62	5	0	123	0	24
258	Polytechnic U. PR	285	0	0	0	0	285	0	0	0

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
259	Baylor U.	281	0	0	0	0	281	0	0	0
260	Sinte Gleska U.	281	0	0	0	0	0	0	120	161
261	Southern IL U. Edwardsville	262	0	0	0	20	53	189	0	0
262	NY Institute of Technology all campuses	253	0	0	0	0	253	0	0	0
263	Hope C.	239	114	0	0	0	0	125	0	0
264	Harvey Mudd C.	221	1 i	0 i	21 i	0 i	7 i	180 i	0 i	12 i
265	Union C. (Schenectady, NY)	213	0	0	0	0	122	23	0	68
266	U. Central OK	210	0	140	0	0	0	0	0	70
267	LeTourneau U.	189	0	140	0	0	0	0	49	0
268	U. WI La Crosse	188	6	0	0	0	0	0	0	182
269	Morehead State U.	185	0	0	0	0	185	0	0	0
270	Santa Clara U.	182 i	15 i	21 i	11 i	10 i	35 i	29 i	20 i	41 i
271	James Madison U.	181	0	22	44	0	91	24	0	0
272	Miami U. all campuses	166 i	13 i	0 i	0 i	0 i	0 i	0 i	0 i	153 i
273	CA State U. Sacramento	163	0	0	0	163	0	0	0	0
274	Ball State U.	150	0	0	0	150	0	0	0	0
275	Western Carolina U.	147	0	0	0	0	0	0	0	147
276	DE State U.	143	0	0	106	0	0	0	0	37
277	U. OR	130	0	0	0	130	0	0	0	0
278	Nicholls State U.	121	0	0	0	0	0	0	0	121
279	Bradley U.	119	0	0	0	54	0	20	0	45
280	Hofstra U.	113	0	0	0	0	0	0	0	113
281	Claremont McKenna C.	112 i	78 i	2 i	0 i	3 i	8 i	17 i	2 i	2 i
282	U. Southern ME	92	92	0	0	0	0	0	0	0
283	TX A&M U. Corpus Christi	88	10	0	0	4	0	0	0	74
284	Seattle U.	87 i	0 i	0 i	0 i	10 i	0 i	0 i	0 i	77 i
285	Southern Polytechnic State U.	79	72	0	0	0	0	0	7	0
286	AR State U. main campus	77	0	0	0	0	60	17	0	0
287	Hendrix C.	76	76	0	0	0	0	0	0	0
288	Murray State U.	75	0	0	0	0	0	0	0	75
289	CA State U. Fullerton	74	74	0	0	0	0	0	0	0
290	U. MA Boston	72	0	0	0	0	72	0	0	0
291	U. NC Asheville	71	0	0	0	0	0	71	0	0
292	VA Military Institute	71	0	0	0	71	0	0	0	0
293	Western KY U.	70	0	0	0	0	0	0	0	70
294	Siena C.	65 i	26 i	0 i	1 i	6 i	8 i	11 i	0 i	13 i
295	SC State U.	65	0	0	0	65	0	0	0	0

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
296	U. Detroit Mercy	63 i	0 i	0 i	0 i	0 i	0 i	63 i	0 i	0 i
297	Swarthmore C.	60	0	20	0	16	24	0	0	0
298	Oglala Lakota C.	59	0	0	0	0	0	0	0	59
299	MN State U. Mankato	54	0	0	0	0	0	54	0	0
300	Bard C.	46 i	32 i	1 i	0 i	1 i	3 i	7 i	1 i	1 i
301	Rose-Hulman Institute of Technology	46	0	46	0	0	0	0	0	0
302	CA State Polytechnic U. Pomona	45	0	0	0	0	0	45	0	0
303	U. WI Platteville	44	0	0	0	44	0	0	0	0
304	Mills C.	43 i	1 i	9 i	6 i	6 i	3 i	12 i	0 i	6 i
305	Valparaiso U.	43	0	0	0	0	0	43	0	0
306	U. of the Pacific	38	0	0	0	0	0	38	0	0
307	KY State U.	37	0	36	0	0	0	1	0	0
308	TX A&M U. Commerce	37	0	0	0	0	0	0	0	37
309	CUNY C. Staten Island	35	0	0	0	0	0	0	0	35
310	San Francisco State U.	35	0	0	0	0	35	0	0	0
311	DePauw U.	34 i	21 i	4 i	1 i	1 i	2 i	4 i	0 i	1 i
312	St. Mary's U. (San Antonio, TX)	34	0	34	0	0	0	0	0	0
313	U. New Haven	34	0	0	5	0	0	0	0	29
314	Medical U. SC	32	0	32	0	0	0	0	0	0
315	Xavier U. LA	31	31	0	0	0	0	0	0	0
316	Middle TN State U.	30	0	0	0	0	0	0	0	30
317	TX Christian U.	30	0	0	0	0	5	25	0	0
318	St. Cloud State U.	27	0	0	0	0	27	0	0	0
319	Trinity C. (Hartford, CT)	25	25	0	0	0	0	0	0	0
320	Humboldt State U.	23	0	0	0	23	0	0	0	0
321	Grand Valley State U.	22	0	22	0	0	0	0	0	0
322	Central MI U.	16	0	0	0	0	0	4	0	12
323	U. of St. Thomas (St. Paul, MN)	10	0	0	0	0	0	0	0	10
324	Western WA U.	10	0	0	0	0	0	10	0	0
325	AR Tech U.	9 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	9 i
326	William Paterson U. NJ	9 i	0 i	0 i	1 i	1 i	1 i	1 i	1 i	4 i
327	Vassar C.	6	6	0	0	0	0	0	0	0
328	Seattle Pacific U.	2 i	1 i	0 i	0 i	0 i	0 i	0 i	0 i	1 i

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields: FY 2007

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/ astronautical engineering	Bioengineering/ biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/ materials engineering	Engineering, nec
329	Trinity U.	2	2	0	0	0	0	0	0	0
330	Eastern IL U.	1	0	0	0	1	0	0	0	0
331	Elizabeth City State U.	1	1	0	0	0	0	0	0	0

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$477,647 in federally financed R&D expenditures in engineering in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 66. Non-science and engineering R&D expenditures at universities and colleges reporting non-S&E R&D, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

Type of institution	Item 2A respondents (number) ^a	All R&D expenditures			Federally financed R&D expenditures		
		S&E and non-S&E	Non-S&E	Percent ^b	S&E and non-S&E	Non-S&E	Percent ^b
All institutions	635	50,161,165	2,036,966	4.1	30,421,179	810,186	2.7
Doctorate	348	49,178,265	1,792,686	3.6	29,811,181	696,426	2.3
Nondoctorate	287	982,900	244,280	24.9	609,998	113,760	18.6
Public	380	33,790,170	1,536,273	4.5	18,573,462	609,352	3.3
Private	255	16,370,995	500,693	3.1	11,847,717	200,834	1.7

S&E = science and engineering.

^a Survey item 2A collects data on R&D expenditures for non-S&E fields.

^b Percentage non-S&E R&D of total R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 67. Total and federally financed non-science and engineering R&D expenditures at universities and colleges reporting non-S&E R&D, by field: FY 2004–07

(Dollars in thousands)

Field	Total				Federally financed			
	2004	2005	2006	2007	2004	2005	2006	2007
All non-S&E fields	1,587,263	1,748,738	1,882,541	2,036,966	669,845	762,919	774,506	810,186
Business and management	216,260	219,717	247,533	265,429	49,846	51,777	52,657	52,376
Communication, journalism, and library science	73,424	75,326	84,681	86,684	25,385	26,308	29,897	31,784
Education	704,664	760,971	816,388	900,845	411,551	426,012	435,232	473,305
Humanities	168,281	193,416	217,094	241,625	39,595	57,826	56,063	60,822
Law	51,091	61,841	68,474	72,362	18,694	26,879	28,302	28,702
Social work	74,048	86,932	89,525	93,194	27,188	25,525	40,442	40,581
Visual and performing arts	37,734	42,107	45,967	44,369	4,357	3,999	3,592	4,402
Other non-S&E fields	238,353	308,287	312,878	332,348	87,611	144,593	128,321	118,214

S&E = science and engineering.

NOTE: Detail may not add to total because some respondents reporting non-S&E R&D expenditures did not break out total and federal funds by non-S&E fields.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	All institutions	1,748,738	1,882,541	2,036,966	265,429	86,684	900,845	241,625	72,362	93,194	44,369	332,348
1	U. WI Madison	77,623	72,892	71,547	19,609	2,997	26,431	18,251	1,341	400	194	2,324
2	U. South FL	17,391	18,863	64,508	8,319	6,332	38,290	1,555	0	7,797	1,865	350
3	Purdue U. all campuses	42,852	47,468	57,493	17,355	982	7,325	2,021	0	0	244	29,566
4	U. TX Austin	42,132	45,560	56,021	5,020	4,867	27,700	841	238	4,944	353	12,058
5	U. FL	33,487	34,258	43,121	2,058	1,830	3,852	1,250	212	31	447	33,441
6	Harvard U.	51,023	53,831	42,644	0	395	8,832	913	2,739	0	200	29,565
7	OR State U.	37,689	38,087	42,527	0	232	819	86	0	0	0	41,390
8	U. MI all campuses	34,817	37,041	39,723	9,005	555	19,522	2,159	1,999	5,644	698	141
9	MI State U.	28,072	30,748	34,759	3,596	2,265	20,690	1,589	0	345	161	6,113
10	U. CA, Los Angeles	NA	29,859	31,414	5,887	356	19,153	4,592	822	0	604	0
11	Northwestern U.	26,284	29,797	29,715	19,367	1,874	4,552	1,219	1,974	0	729	0
12	U. WA	NA	30,701	29,628	462	63	10,872	3,328	288	14,267	348	0
13	U. Central FL	18,997	14,883	29,545	9,875	0	16,761	815	29	0	93	1,972
14	George Washington U.	22,690	21,949	23,303	101	0	19,416	1,199	2,587	0	0	0
15	MA Institute of Technology	16,265	22,595	23,269	13,764	222	5,086	1,845	0	0	263	2,089
16	Brown U.	24,657	37,784	23,004	0	647	6,435	12,194	0	0	2,640	1,088
17	U. CA, Santa Cruz	NA	20,332	22,540	0	77	20,338	1,329	0	0	796	0
18	NY U.	33,816	19,858	21,861	2,236	2,180	8,741	673	1,400	630	322	5,679
19	FL State U.	35,110	24,224	21,745	1,832	834	15,500	776	1,135	864	804	0
20	TX A&M U.	14,527	15,832	21,743	4,392	148	15,947	1,125	130	0	1	0
21	Old Dominion U.	9,950	15,391	21,415	3,990	148	13,348	2,163	0	0	1,460	306
22	U. Southern CA	25,068	25,523	20,328	1,031	3,424	4,690	6,003	1,663	2,430	1,087	0
23	U. PA	22,404	20,391	19,858	2,070	3,145	11,778	604	322	1,939	0	0
24	U. GA	20,661	18,920	19,323	118	642	10,079	2,701	1,869	0	3,914	0
25	U. IL Urbana-Champaign	24,969	18,550	18,457	1,591	2,878	5,908	2,132	516	4,401	757	274
26	U. CA, Berkeley	NA	17,802	17,887	690	62	10,349	2,754	3,674	0	358	0
27	Southern IL U. Edwardsville	19,031	18,720	17,746	638	165	14,704	92	0	191	499	1,457
28	U. KS all campuses	18,180	18,821	17,406	265	141	14,841	1,185	30	568	228	148
29	U. KY all campuses	13,247	13,688	17,229	1,219	598	5,821	526	57	522	423	8,063
30	OH State U. all campuses	34,360	10,683	17,118	147	134	9,750	1,903	101	0	340	4,743
31	FL International U.	11,042	21,130	17,112	831	3,573	6,287	3,184	560	0	711	1,966
32	VA Commonwealth U.	15,696	18,492	16,744	140	119	13,793	482	0	461	134	1,615
33	Vanderbilt U.	6,708	12,133	16,601	81	2,284	13,214	580	432	0	9	1
34	U. MO-Columbia	13,616	15,930	15,775	342	2,223	4,300	391	30	380	21	8,088
35	U. MN all campuses	12,822	15,041	15,297	180	467	7,653	2,074	1,036	934	536	2,417

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
36	Stanford U.	13,147	13,067	14,986	1,670	1,106	11,516	388	97	0	0	209
37	GA State U.	11,389	11,934	14,513	3,086	159	5,488	768	929	1,963	201	1,919
38	U. NE all campuses	14,291	13,680	14,372	2,954	373	2,392	5,781	2,501	4	132	235
39	Emory U.	3,489	3,878	14,120	2,432	206	511	2,884	599	144	68	7,276
40	AZ State U.	10,503	9,441	13,702	1,082	313	5,249	2,799	71	1,424	85	2,679
41	San Jose State U.	15,738	14,580	13,015	1,785	5	2,369	259	0	1,403	182	7,012
42	PA State U. all campuses	12,147	12,452	12,987	6,454	1,126	3,172	1,219	265	0	751	0
43	U. Memphis, The	18,544	12,971	12,905	1,372	343	8,848	1,141	0	0	937	264
44	U. AR main campus	9,836	10,338	12,664	1,089	96	5,503	2,663	815	289	79	2,130
45	U. CO all campuses	6,174	6,812	12,556	1,659	286	5,953	91	80	1,565	19	2,903
46	U. WI Milwaukee	10,226	11,186	12,500	3,254	414	6,096	1,157	0	441	14	1,124
47	Johns Hopkins U., The ^a	14,634	12,089	12,289	0	0	0	12,289	0	0	0	0
48	U. Louisville	11,595	12,373	12,208	595	135	2,487	248	203	977	58	7,505
49	Rutgers, The State U. NJ all campuses	14,072	12,825	12,030	437	1,540	7,091	596	6	598	66	1,696
50	U. MD College Park	23,813	14,745	11,936	1,192	1,103	7,231	2,254	0	0	156	0
51	IN U. all campuses	9,341	23,208	11,909	744	3,449	5,241	149	32	185	1,074	1,035
52	U. CA, Riverside	NA	10,783	11,903	37	0	6,121	3,541	0	0	63	2,141
53	U. IA	8,899	9,812	11,662	1,495	610	2,801	2,961	2,618	0	455	722
54	U. MA Boston	1,270	1,291	11,489	299	50	7,646	428	46	0	80	2,940
55	LA State U. all campuses	4,908	9,770	10,652	599	266	784	3,071	1,000	989	186	3,757
56	U. OK all campuses	8,773	7,630	10,629	103	545	5,170	947	0	0	0	3,864
57	Princeton U.	10,343	6,983	10,213	0	148	519	8,778	0	0	385	383
58	U. West FL	9,317	8,947	10,063	6,098	0	3,921	0	0	0	0	44
59	C. of William and Mary all campuses	7,721	8,788	10,040	542	0	8,524	103	803	0	15	53
60	U. OR	8,401	9,449	9,668	0	0	9,513	155	0	0	0	0
61	Polytechnic U.	9,550	9,850	9,550	0	0	9,025	525	0	0	0	0
62	CA State U. Northridge	12,499	9,650	9,454	856	28	7,158	170	0	685	0	557
63	U. CA, Santa Barbara	NA	5,428	9,300	3,933	123	3,431	1,145	9	0	659	0
64	U. MS all campuses	9,437	11,558	9,278	34	26	724	1,449	2,080	14	16	4,935
65	U. CT all campuses	3,210	10,090	9,095	1,328	1,312	2,153	966	11	3,051	274	0
66	San Diego State U.	9,712	9,621	8,876	2,881	527	1,624	2,465	0	478	597	304
67	U. HI Hilo	7,057	10,721	8,748	4	0	8,215	31	0	0	0	498
68	Stevens Institute of Technology	8,062	7,752	8,699	613	0	8,086	0	0	0	0	0
69	Western MI U.	7,283	7,465	8,597	17	181	7,527	428	0	3	4	437
70	SUNY Buffalo all campuses	8,063	6,848	8,580	536	136	4,442	302	69	504	6	2,585
71	FL Gulf Coast U.	8,982	9,200	8,326	664	1,949	5,187	0	0	7	0	519

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
72	U. LA Lafayette	7,519	8,119	8,128	2,730	560	2,482	1,932	0	15	396	13
73	U. Cincinnati all campuses	10,077	10,665	8,098	91	145	4,727	3,009	0	0	126	0
74	MT State U. Bozeman	8,723	9,106	7,834	82	142	1,743	25	0	863	9	4,970
75	Eastern IL U.	NA	NA	7,821	601	752	1,208	44	0	4,921	295	0
76	CA State U. Dominguez Hills	6,233	66	7,815	494	0	5,581	129	0	424	15	1,172
77	CO State U.	8,092	13,461	7,523	1,454	453	1,203	48	0	0	11	4,354
78	U. TX El Paso	11,160	10,721	7,445	22	2	5,972	452	0	0	3	994
79	U. NC Greensboro	11,173	7,665	7,444	0	29	7,121	119	0	0	89	86
80	Central WA U.	8,490	4,830	7,372	5	0	737	82	0	0	0	6,548
81	Fordham U.	1,785	6,492	7,360	1,218	0	1,895	1,782	2,335	130	0	0
82	San Francisco State U.	353	974	7,175	0	0	6,197	12	0	0	0	966
83	Case Western Reserve U.	884	5,450	6,973	0	0	0	6,973	0	0	0	0
84	U. NC Chapel Hill	6,951	4,719	6,929	1,467	1,892	2,578	821	0	0	171	0
85	U. TN all campuses	2,672	1,643	6,769	4,076	383	174	808	0	697	38	593
86	Syracuse U. all campuses	0	3,808	6,765	2,178	1,037	2,335	0	887	128	0	200
87	Northeastern U.	6,487	5,834	6,718	46	217	3,418	1,087	695	1,228	27	0
88	U. CA, Irvine	NA	6,028	6,624	1,090	0	1,028	4,309	0	0	197	0
89	U. Pittsburgh all campuses	4,010	5,024	6,428	309	0	5,838	211	66	0	4	0
90	Fayetteville State U.	7,688	0	6,381	0	63	5,806	0	44	149	243	76
91	U. AK Anchorage all campuses	0	7,676	6,373	1,802	0	993	0	367	0	0	3,211
92	U. NH	7,598	6,835	6,235	1,316	0	4,357	423	0	123	0	16
93	Wichita State U.	20,456	6,061	5,994	794	1,136	3,984	30	0	20	30	0
94	Eastern KY U.	828	3,413	5,966	65	80	122	6	5,689	0	4	0
95	U. VA all campuses	5,098	4,624	5,713	19	76	3,316	1,027	1,031	0	0	244
96	Western IL U.	7,500	6,400	5,600	400	0	5,200	0	0	0	0	0
97	Fairfield U.	5,714	5,173	5,573	1,520	125	109	2,077	0	0	519	1,223
98	CUNY Graduate Ctr.	3,975	5,307	5,399	0	0	2,743	1,545	0	0	0	1,111
99	Temple U.	3,584	4,378	5,379	297	0	1,917	186	2,236	359	364	20
100	Seton Hall U.	6,713	4,151	5,350	148	0	4,250	21	915	0	11	5
101	WV U.	1,876	1,912	5,210	439	126	921	1,633	1	4	13	2,073
102	Clemson U.	5,135	5,100	5,199	170	0	3,326	282	0	0	5	1,416
103	MS State U.	4,787	6,202	5,064	726	233	2,106	708	0	0	152	1,139
104	Tufts U.	5,574	4,663	5,042	0	543	1,324	2,964	197	0	14	0
105	U. MA Amherst	6,610	4,912	4,972	332	0	4,057	516	37	0	30	0
106	Gallaudet U.	4,577	4,697	4,867	0	0	4,867	0	0	0	0	0
107	U. Houston	7,205	5,322	4,839	36	0	3,537	546	7	0	0	713

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
108	Ball State U.	2,880	4,553	4,830	790	1	3,177	307	0	0	0	555
109	GA Southern U.	3,223	4,520	4,811	254	2	4,321	30	0	204	0	0
110	U. NC Charlotte	4,265	4,193	4,809	30	15	3,494	765	0	0	0	505
111	U. of Notre Dame	4,300	3,584	4,805	509	222	0	1,371	49	0	5	2,649
112	Northern IL U.	3,548	4,421	4,773	2,454	24	180	64	97	13	14	1,927
113	Northeastern IL U.	5,036	5,270	4,772	0	5	3,552	0	0	1,175	40	0
114	UT State U.	2,599	4,265	4,719	3	1	3,748	967	0	0	0	0
115	Boston U.	4,678	6,017	4,620	969	0	353	862	0	1,865	0	571
116	U. SC all campuses	7,987	3,887	4,591	1,896	493	1,499	180	0	201	322	0
117	U. North FL	2,188	2,303	4,537	105	0	4,430	2	0	0	0	0
118	U. Denver	4,810	4,004	4,345	0	26	215	1	3,625	478	0	0
119	U. NM main campus	4,168	4,824	4,304	0	1,882	1,332	364	496	7	223	0
120	U. MD Baltimore County	638	2,487	4,233	7	0	494	2,153	0	0	1,436	143
121	Portland State U.	431	3,545	4,178	7	119	3,012	102	0	917	21	0
122	Wellesley C.	5,173	4,376	4,169	1,248	15	0	5	0	0	69	2,832
123	U. MO-Kansas City	3,502	1,556	4,074	993	22	43	139	0	250	144	2,483
124	U. CA, Davis	NA	3,094	4,004	152	4	1,270	237	46	0	2,294	1
125	NM State U. main campus	1,023	3,508	3,984	296	0	1,957	1,680	0	0	19	32
126	CUNY Hunter C.	4,051	4,731	3,977	0	45	1,856	656	0	1,190	230	0
127	U. ME	749	714	3,937	182	285	2,121	125	0	1,224	0	0
128	St. Joseph's U.	3,199	4,342	3,871	3,366	0	400	100	0	5	0	0
129	Cornell U. all campuses	2,007	1,790	3,855	535	2	1,495	833	245	0	3	742
130	VA Polytechnic Institute and State U.	2,525	3,596	3,845	657	80	391	66	0	0	1,272	1,379
131	IA State U.	6,303	5,587	3,844	1,076	0	2,543	219	0	0	2	4
132	St. Cloud State U.	3,610	3,648	3,805	111	416	2,462	390	0	399	3	24
133	IL Institute of Technology	2,583	2,008	3,785	136	19	206	264	1,431	0	0	1,729
134	John Carroll U.	3,474	3,568	3,769	0	0	3,769	0	0	0	0	0
135	U. Rochester	2,941	2,829	3,769	90	508	2,192	45	0	495	439	0
136	U. AL Huntsville, The	2,729	2,600	3,733	3,329	53	36	187	0	0	0	128
137	U. NV, Las Vegas	1,221	1,587	3,687	187	0	594	117	0	281	0	2,508
138	Southern Methodist U.	2,600	3,348	3,604	92	0	2,398	150	899	0	0	65
139	Naval Postgraduate School	2,890	5,934	3,580	3,518	62	0	0	0	0	0	0
140	Wayne State U.	4,669	4,303	3,552	423	64	1,038	433	46	537	137	874
141	GA Institute of Technology all campuses	1,681	4,061	3,547	0	183	0	333	0	0	0	3,031
142	Claremont Graduate U.	3,391	3,613	3,540	468	0	1,613	471	0	0	0	988
143	Wabash C.	3,263	3,423	3,518	14	0	0	3,504	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
144	U. NV, Reno	1,727	1,726	3,477	1,237	0	665	1,203	322	50	0	0
145	Georgetown U.	3,350	3,577	3,274	269	0	21	2,911	73	0	0	0
146	WA State U.	2,605	7,151	3,252	95	1,779	1,134	244	0	0	0	0
147	Tulane U.	4,940	4,431	3,214	2,574	0	43	230	254	0	0	113
148	Kent State U. all campuses	4,112	5,430	3,200	0	541	539	571	30	0	0	1,519
149	Rochester Institute of Technology	3,241	2,596	3,145	25	6	3,030	84	0	0	0	0
150	Washington U. St. Louis	3,796	3,659	3,071	426	0	2,478	167	0	0	0	0
151	LA Tech U.	2,780	2,819	3,024	2,155	17	81	313	0	0	458	0
152	Brigham Young U. all campuses	3,029	4,040	2,982	315	208	712	1,722	0	0	25	0
153	KS State U.	3,428	3,214	2,964	30	184	1,551	135	0	9	24	1,031
154	U. CA, San Diego	NA	2,391	2,927	85	80	729	380	0	0	938	715
155	Southern OR U.	2,286	2,323	2,917	144	1,408	1,343	5	0	0	7	10
156	George Mason U.	14,743	9,787	2,816	333	0	1,456	713	279	5	0	30
157	CA State U. Fullerton	3,348	3,371	2,804	1,625	20	797	71	0	240	30	21
158	Rowan U.	2,937	2,779	2,797	64	63	2,473	70	7	0	19	101
159	IL State U.	1,876	1,424	2,697	25	0	2,044	0	0	227	0	401
160	U. Chicago	2,847	3,256	2,673	696	0	0	114	0	1,589	0	274
161	St. Louis U. all campuses	0	115	2,656	97	637	1,072	355	258	147	7	83
162	Yale U.	1,188	2,005	2,647	0	0	0	1,009	1,638	0	0	0
163	Eastern MI U.	1,110	3,328	2,520	150	0	1,266	586	0	518	0	0
164	Boston C.	2,144	2,650	2,449	222	0	1,719	36	240	0	168	64
165	TX State U. San Marcos	1,635	2,462	2,430	21	0	448	102	699	0	0	1,160
166	CA State U. San Bernardino	10,307	2,394	2,411	813	52	0	0	417	159	851	119
167	C. Charleston	1,458	1,735	2,399	421	107	1,026	767	0	0	72	6
168	U. IL Chicago	4,189	5,004	2,394	431	96	1,436	383	0	0	48	0
169	Duquesne U.	2,076	2,170	2,325	1,262	1	420	66	335	0	241	0
170	VA State U.	177	2,031	2,325	0	0	947	0	0	0	0	1,378
171	U. MO-St. Louis	1,966	1,874	2,307	317	2	843	98	0	248	5	794
172	Hofstra U.	NA	2,281	2,263	0	0	2,223	38	0	0	0	2
173	U. DE	2,252	1,997	2,186	402	0	1,764	20	0	0	0	0
174	U. Dayton	2,733	2,990	2,161	140	4	1,906	36	0	0	75	0
175	Southwestern OK State U.	ne	ne	2,126	10	0	2,116	0	0	0	0	0
176	Brandeis U.	2,299	2,233	2,094	0	0	1,611	0	372	0	111	0
177	CA State U. Los Angeles	653	704	2,050	0	0	1,893	51	0	22	0	84
178	Rice U.	667	481	2,012	141	33	1,505	254	0	0	79	0
179	U. Miami	1,629	1,975	1,998	0	0	1,902	62	0	0	34	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
180	U. TX-Pan American	1,778	1,785	1,992	17	0	1,856	118	1	0	0	0
181	Teachers C. Columbia U.	2,627	1,702	1,976	0	0	1,976	0	0	0	0	0
182	Duke U.	1,606	1,703	1,941	2	0	106	1,185	492	130	26	0
183	U. of the Pacific	1,146	2,048	1,937	240	290	487	58	672	53	137	0
184	U. PR Mayaguez Campus	1,300	1,257	1,925	79	0	1,827	19	0	0	0	0
185	SUNY Binghamton	150	331	1,920	207	0	1,625	88	0	0	0	0
186	NM Highlands U.	4,111	3,725	1,909	0	0	1,817	0	0	92	0	0
187	U. Toledo	651	2,252	1,894	398	18	1,323	8	0	54	93	0
188	West Chester U. PA	3,244	1,224	1,887	900	5	170	220	0	0	6	586
189	Cleveland State U.	6,531	1,580	1,871	174	38	1,050	503	42	45	19	0
190	CA Institute of Technology	0	85	1,855	0	0	0	1,855	0	0	0	0
191	Dickinson C.	1,452	841	1,844	0	2	0	1,802	0	0	28	12
192	Baylor U.	2,051	1,972	1,843	27	92	69	839	4	680	23	109
193	U.S. Air Force Academy	677	0	1,841	263	0	0	1,315	263	0	0	0
194	Dillard U.	NA	ne	1,838	0	4	5	0	0	0	0	1,829
195	Shaw U.	1,895	1,920	1,806	0	101	1,615	65	0	0	25	0
196	Daemen C.	ne	ne	1,788	0	7	1,761	0	0	0	0	20
197	U. TX San Antonio	1,177	2,058	1,779	368	0	1,294	91	0	0	26	0
198	U. North TX	4,182	3,466	1,774	271	497	751	170	0	0	85	0
199	Lehigh U.	2,177	1,577	1,770	1	0	1,614	0	14	0	0	141
200	Clark U.	1,930	2,045	1,741	0	0	1,741	0	0	0	0	0
201	American U.	129	1,433	1,735	0	41	26	0	1,668	0	0	0
202	U. AZ	1,665	2,239	1,697	0	29	697	760	2	0	209	0
203	Loyola C.	318	NA	1,696	0	0	564	0	0	0	0	1,132
204	SUNY C. Plattsburgh	3,931	3,681	1,687	83	21	1,424	0	0	64	0	95
205	Western WA U.	2,328	2,073	1,687	294	0	640	158	0	576	0	19
206	Middlebury C.	NA	ne	1,671	0	140	1,320	45	0	166	0	0
207	Rose-Hulman Institute of Technology	1,742	2,126	1,620	0	0	1,620	0	0	0	0	0
208	TX Christian U.	1,633	1,474	1,612	4	34	1,209	76	0	264	20	5
209	MT Tech of the U. MT	1,053	1,471	1,605	0	0	1,219	0	0	0	0	386
210	Pace U. all campuses	1,669	1,886	1,577	264	0	3	300	434	0	0	576
211	Tuskegee U.	1,202	1,331	1,576	0	0	1,576	0	0	0	0	0
212	TX Tech U.	1,375	1,338	1,561	0	0	1,445	5	66	0	45	0
213	U. Hartford	0	0	1,534	158	0	388	9	0	700	279	0
214	U. Tulsa	900	851	1,483	88	11	236	627	520	0	1	0
215	U. Southern MS	885	1,682	1,460	140	26	1,186	0	0	108	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
216	Amherst C.	885	1,321	1,458	0	16	0	568	0	610	245	19
217	CUNY Baruch C.	1,795	1,735	1,454	0	0	19	149	0	0	2	1,284
218	Drexel U.	5,274	988	1,435	72	346	406	45	0	0	53	513
219	NC State U.	NA	0	1,365	485	0	726	154	0	0	0	0
220	Chapman U.	0	1,235	1,358	3	0	1,260	0	95	0	0	0
221	Drake U.	1,244	1,146	1,347	33	0	767	149	392	0	6	0
222	MI Technological U.	1,149	1,119	1,346	216	13	171	807	0	0	115	24
223	U. AL Birmingham, The	1,304	1,405	1,320	776	0	544	0	0	0	0	0
224	U. MA Lowell	1,893	1,748	1,293	113	0	237	0	222	0	5	716
225	Lewis and Clark C.	510	884	1,267	0	6	236	66	947	0	12	0
226	TX A&M U. Corpus Christi	2,080	173	1,245	12	0	955	34	20	0	0	224
227	U. Baltimore	4,689	650	1,228	1,001	59	87	0	81	0	0	0
228	Southern CT State U.	1,857	NA	1,200	0	0	1,200	0	0	0	0	0
229	FL A&M U.	2,106	2,531	1,154	0	0	913	86	0	155	0	0
230	Loyola Marymount U.	290	513	1,129	332	0	352	158	240	4	43	0
231	ND State U. all campuses	237	727	1,129	5	268	758	96	0	0	0	2
232	U. LA Monroe	0	1,260	1,121	0	0	1,041	77	3	0	0	0
233	U. UT	1,441	1,551	1,070	239	0	419	361	3	0	48	0
234	U. IL Springfield	920	840	1,007	166	0	221	553	0	67	0	0
235	Adelphi U.	ne	ne	1,002	0	0	82	0	0	920	0	0
236	Carnegie Mellon U.	1,947	832	996	0	0	0	996	0	0	0	0
237	U. VT	586	973	977	254	0	611	112	0	0	0	0
238	U. PR Rio Piedras Campus	886	1,014	966	0	0	368	354	192	0	0	52
239	Hamilton C. (Clinton, NY)	935	1,345	953	0	10	289	378	0	276	0	0
240	Tougaloo C.	NA	0	941	0	0	0	0	0	941	0	0
241	U. Southern ME	NA	926	926	0	0	926	0	0	0	0	0
242	Auburn U. all campuses	1,440	854	925	612	0	84	229	0	0	0	0
243	CUNY Brooklyn C.	435	594	908	0	113	138	640	2	0	15	0
244	Smith C.	1,391	1,262	903	0	0	5	423	0	362	96	17
245	Worcester Polytechnic Institute	57	862	899	322	23	554	0	0	0	0	0
246	TX Southern U.	448	995	876	0	0	272	0	0	0	0	604
247	CUNY The City C.	834	755	872	0	0	587	285	0	0	0	0
248	Carleton C.	465	753	866	0	0	0	866	0	0	0	0
249	West TX A&M U.	1,110	1,293	864	725	0	34	81	0	0	0	24
250	Calvin C.	1,030	1,212	854	28	189	120	410	0	0	107	0
251	CA State U. Long Beach	978	558	830	0	0	782	31	0	0	0	17

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
252	Macalester C.	776	794	829	0	0	23	570	0	0	236	0
253	Mercyhurst C.	ne	880	792	0	1	22	2	0	245	80	442
254	Roanoke C.	651	713	787	0	191	52	317	0	0	107	120
255	Western U. of Health Sciences	0	0	787	0	0	787	0	0	0	0	0
256	Wesleyan U.	500	449	779	0	24	92	619	0	0	44	0
257	U. MO-Rolla	2,495	1,890	773	81	1	0	1	0	0	0	690
258	Bryn Mawr C.	1,317	635	759	0	0	6	412	0	263	78	0
259	FL Institute of Technology	381	1,306	747	509	0	13	98	0	0	0	127
260	DePaul U.	496	624	706	179	9	55	389	66	0	8	0
261	Pomona C.	277	597	698	0	0	0	602	0	0	96	0
262	U. Northern IA	1,509	344	695	0	0	695	0	0	0	0	0
263	Swarthmore C.	684	666	688	0	0	0	688	0	0	0	0
264	ID State U.	437	365	682	572	0	87	18	0	0	5	0
265	U. San Diego	239	534	681	0	5	76	8	143	449	0	0
266	SUNY C. Cortland	428	450	665	0	0	665	0	0	0	0	0
267	Bucknell U.	49	414	660	0	0	0	102	0	0	0	558
268	U. CA, Merced	NA	404	655	0	0	0	38	0	0	102	515
269	CUNY Queens C.	752	30	654	0	0	438	216	0	0	0	0
270	U. TX of the Permian Basin	ne	ne	651	364	0	252	35	0	0	0	0
271	CUNY John Jay C. of Criminal Justice	385	705	625	0	2	17	23	344	0	0	239
272	U. San Francisco	163	519	618	250	17	6	19	106	0	13	207
273	U. Richmond	619	546	602	15	69	210	155	64	0	89	0
274	Fisk U.	600	600	600	0	0	500	0	0	0	100	0
275	Roger Williams U. Bristol	630	872	599	0	0	175	0	424	0	0	0
276	U. TX Arlington	184	141	590	0	0	166	29	0	395	0	0
277	TX A&M U. Kingsville	499	442	587	12	0	151	0	0	0	0	424
278	U. MA Dartmouth	1,681	1,218	582	108	0	237	185	0	0	2	50
279	Boise State U.	6	1,149	573	0	0	354	2	0	0	0	217
280	Western Carolina U.	27	1,348	571	102	221	189	0	59	0	0	0
281	Central MI U.	325	631	570	47	17	232	274	0	0	0	0
282	Wake Forest U.	516	714	566	180	223	72	49	0	0	42	0
283	Catholic U. America, The	1,265	750	565	0	5	61	159	174	83	0	83
284	Howard U.	304	352	563	20	0	344	10	0	189	0	0
285	Winona State U.	ne	ne	557	144	85	115	196	0	16	0	1
286	FL Atlantic U.	409	1,497	549	61	0	255	19	0	1	14	199
287	Lamar U.	0	0	548	6	0	302	0	0	0	0	240

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
288	Bowling Green State U. all campuses	796	2,078	547	0	167	321	16	0	0	0	43
289	U. NC Wilmington	814	603	539	54	0	250	10	0	225	0	0
290	Augsburg C.	247	524	532	0	49	320	0	0	0	0	163
291	SD State U.	347	221	531	0	184	347	0	0	0	0	0
292	Grand Valley State U.	422	417	524	0	0	524	0	0	0	0	0
293	OK State U. all campuses	38	0	517	0	0	503	14	0	0	0	0
294	U. Portland	383	498	509	34	0	421	0	0	54	0	0
295	TN State U.	594	597	507	0	0	507	0	0	0	0	0
296	Villanova U.	NA	NA	489	31	2	92	164	200	0	0	0
297	Loyola U. Chicago	1,325	942	480	46	0	285	0	36	113	0	0
298	Northern AZ U.	177	260	464	0	0	336	70	0	0	10	48
299	CA State Polytechnic U. San Luis Obispo	280	427	453	66	118	267	0	0	0	2	0
300	La Salle U.	ne	600	450	176	0	50	151	0	15	24	34
301	U. PR Cayey	ne	ne	450	0	0	450	0	0	0	0	0
302	U. West GA	490	450	450	50	0	400	0	0	0	0	0
303	Appalachian State U.	386	264	447	111	0	198	101	0	0	37	0
304	Mt. Holyoke C.	384	221	443	0	8	375	0	0	0	60	0
305	Rensselaer Polytechnic Institute	350	806	441	174	176	91	0	0	0	0	0
306	Eastern WA U.	497	779	434	21	0	47	75	0	291	0	0
307	U. AL, The	239	513	425	35	151	40	42	14	117	7	19
308	CA State U. Fresno	22	500	420	175	0	101	0	0	0	0	144
309	Simmons C.	797	828	407	0	192	0	0	0	215	0	0
310	Kennesaw State U.	236	329	406	0	0	9	144	0	253	0	0
311	CUNY Herbert H. Lehman C.	90	334	404	0	38	237	87	0	2	40	0
312	East Carolina U.	323	478	402	0	106	240	0	0	0	0	56
313	Sinte Gleska U.	310	759	401	0	0	0	0	0	401	0	0
314	U. Houston-Clear Lake	640	445	398	8	0	19	15	0	0	0	356
315	Grinnell C.	52	213	394	0	0	3	319	0	0	72	0
316	Air Force Institute of Technology	425	611	372	372	0	0	0	0	0	0	0
317	Southern IL U. Carbondale	326	1,044	371	0	0	0	315	0	41	15	0
318	U. MT-Missoula, The	1,110	430	364	8	236	0	117	0	0	3	0
319	James Madison U.	22	3	363	31	0	299	33	0	0	0	0
320	Stephen F. Austin State U.	686	54	359	4	3	199	129	0	1	23	0
321	U.S. Military Academy	ne	ne	359	0	0	79	190	90	0	0	0
322	U. Northern CO	1,030	666	359	4	0	295	60	0	0	0	0
323	OR Institute of Technology	403	343	353	78	3	271	1	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
324	Middle TN State U.	467	392	351	14	50	0	230	0	10	18	29
325	MN State U. Mankato	18	294	345	7	0	0	43	0	3	0	292
326	U. WY	293	293	341	0	2	127	31	0	0	0	181
327	Andrews U.	474	460	340	0	0	53	283	0	0	4	0
328	OH U. all campuses	1,364	1,167	337	0	5	35	146	0	0	151	0
329	U. WI Oshkosh	527	298	337	231	0	87	16	0	0	0	3
330	Lawrence Technological U.	116	256	336	6	0	206	0	0	0	0	124
331	U. WI Whitewater	331	384	329	323	1	3	0	0	0	0	2
332	Wheeling Jesuit U.	NA	NA	323	0	0	276	25	0	0	22	0
333	Truman State U.	0	359	321	0	0	321	0	0	0	0	0
334	Willamette U.	419	272	320	45	47	50	14	164	0	0	0
335	Sam Houston State U.	107	1,183	312	0	0	235	77	0	0	0	0
336	DE State U.	497	626	311	165	0	1	20	0	125	0	0
337	Nicholls State U.	643	637	311	0	0	311	0	0	0	0	0
338	U. ID	2,118	1,421	300	0	5	246	45	0	4	0	0
339	U. South AL	0	421	298	0	0	32	256	0	10	0	0
340	MT State U. Billings	NA	295	290	280	0	0	4	0	0	6	0
341	Clarkson U.	NA	33	281	237	34	0	10	0	0	0	0
342	TN Technological U.	440	411	273	0	0	238	9	0	0	0	26
343	Morehouse C.	553	293	264	40	177	0	47	0	0	0	0
344	TX A&M U. Commerce	448	260	263	0	6	150	4	0	0	0	103
345	U. ND all campuses	226	227	262	183	28	16	9	0	26	0	0
346	U. Akron all campuses	1,009	235	261	0	2	97	107	0	0	55	0
347	Northern KY U.	151	207	259	48	3	108	25	6	7	18	44
348	SUNY Stony Brook all campuses	409	1,460	259	8	0	51	151	0	31	18	0
349	U. NC Asheville	591	141	254	0	0	44	0	0	0	0	210
350	U. of St. Thomas (St. Paul, MN)	192	84	253	0	0	216	20	0	0	0	17
351	Western CT State U.	ne	ne	253	0	0	225	0	0	0	14	14
352	East TN State U.	252	245	249	205	10	18	7	0	0	9	0
353	Providence C.	436	301	237	0	0	237	0	0	0	0	0
354	Marshall U.	1,285	1,572	236	0	38	18	180	0	0	0	0
355	U. WI La Crosse	263	224	236	179	4	5	45	0	0	0	3
356	U. WI Parkside	172	223	233	202	0	31	0	0	0	0	0
357	U.S. Naval Academy	224	252	231	0	0	0	231	0	0	0	0
358	Saginaw Valley State U.	227	263	224	1	2	2	6	0	213	0	0
359	KY State U.	56	543	222	0	0	222	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
360	National U. of Health Sciences	0	0	217	0	0	217	0	0	0	0	0
361	SUNY Albany	4,873	3,487	217	0	25	57	47	0	0	0	88
362	Indiana U. PA all campuses	517	117	216	4	34	41	35	0	0	4	98
363	Bates C.	205	148	212	0	0	0	212	0	0	0	0
364	U. CA Office of the President	NA	222	199	0	0	0	199	0	0	0	0
365	Black Hills State U.	2,590	447	197	0	0	197	0	0	0	0	0
366	U. WI Green Bay	199	276	196	196	0	0	0	0	0	0	0
367	Colgate U.	NA	223	189	0	0	20	152	0	0	17	0
368	IL Wesleyan U.	54	183	187	0	10	110	56	0	4	7	0
369	Jacksonville State U.	21	6	182	0	0	0	0	182	0	0	0
370	Franklin & Marshall C.	198	198	175	0	0	0	121	0	0	54	0
371	Northeastern State U.	1,143	830	175	0	0	61	0	2	0	0	112
372	Benedict C.	0	184	174	0	0	174	0	0	0	0	0
373	Marquette U.	278	606	173	1	0	63	11	0	0	0	98
374	Oakland U.	149	385	166	76	14	9	11	1	0	1	54
375	Colby C.	215	153	163	0	5	0	137	0	0	21	0
376	Lake Forest C.	153	160	163	0	0	0	163	0	0	0	0
377	Loyola U. New Orleans	64	105	160	62	8	5	30	0	0	55	0
378	U. AK Southeast all campuses	0	88	155	0	0	0	0	0	0	0	155
379	Ursinus C.	ne	195	154	1	0	2	138	0	0	13	0
380	CA State U. East Bay	33	75	152	12	0	13	41	0	49	37	0
381	McNeese State U.	67	49	146	132	0	6	8	0	0	0	0
382	C. NJ, The	NA	1,316	144	0	0	121	0	2	0	21	0
383	Central CT State U.	109	114	140	128	0	12	0	0	0	0	0
384	IN State U. all campuses	121	131	140	0	70	0	70	0	0	0	0
385	St. John's U. (Jamaica, NY)	6,671	7,001	139	0	102	15	0	22	0	0	0
386	Xavier U. LA	NA	157	138	0	4	13	119	0	0	2	0
387	U. Puget Sound	122	82	137	13	0	0	121	0	0	3	0
388	Coastal Carolina U.	162	207	136	45	0	0	91	0	0	0	0
389	U. Redlands	1,178	6	135	135	0	0	0	0	0	0	0
390	Millersville U. PA	ne	ne	131	0	0	19	84	0	28	0	0
391	U. WI Stout	179	115	127	9	0	15	5	0	0	0	98
392	CUNY C. Staten Island	105	109	124	0	0	11	100	1	0	12	0
393	Youngstown State U.	4	6	123	0	0	2	5	0	0	1	115
394	Canisius C.	NA	63	121	5	0	116	0	0	0	0	0
395	Bowdoin C.	72	165	118	0	0	44	55	0	0	19	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
396	U. MD Eastern Shore	NA	155	114	0	0	0	114	0	0	0	0
397	Davidson C.	NA	264	113	0	0	0	109	0	0	4	0
398	Coe C.	ne	ne	108	NA	NA	NA	NA	NA	NA	NA	NA
399	Hobart and William Smith Colleges	ne	ne	107	0	0	107	0	0	0	0	0
400	Spelman C.	103	107	106	0	0	0	106	0	0	0	0
401	Fuller Theological Seminary CA	0	NA	105	105	0	0	0	0	0	0	0
402	U. WI Stevens Point	68	40	105	8	1	0	91	0	0	1	4
403	Southwest MO State U.	171	197	104	0	10	74	20	0	0	0	0
404	C. Wooster	NA	NA	103	0	6	0	73	0	0	24	0
405	Kalamazoo C.	62	240	102	0	0	0	73	0	0	29	0
406	NC Agricultural and Technical State U.	57	250	94	70	0	24	0	0	0	0	0
407	CUNY York C.	39	100	90	0	0	0	15	0	0	0	75
408	SUNY C. Geneseo	242	145	90	16	4	12	49	0	0	9	0
409	Gettysburg C.	88	70	89	2	3	1	60	0	0	23	0
410	Rhodes C.	59	78	85	0	0	0	78	0	0	7	0
411	TX Woman's U.	56	104	85	1	0	20	1	0	13	4	46
412	Wright State U. all campuses	81	38	85	0	0	43	28	0	0	14	0
413	Southeastern LA U.	29	92	82	1	1	20	50	6	0	4	0
414	U. WI Eau Claire	99	150	82	69	0	2	11	0	0	0	0
415	Tarleton State U.	1,723	2,059	81	0	0	69	12	0	0	0	0
416	Lafayette C.	108	187	79	41	3	0	16	6	0	13	0
417	Abilene Christian U.	40	40	78	31	0	14	19	0	0	14	0
418	CT C.	103	19	77	0	0	0	0	0	0	0	77
419	CA State U. Bakersfield	8,922	9,364	75	0	7	25	22	0	6	15	0
420	Lawrence U.	ne	43	74	0	0	58	0	0	0	16	0
421	Ithaca C.	33	32	69	27	32	0	10	0	0	0	0
422	Mercer U. all campuses	0	93	67	67	0	0	0	0	0	0	0
423	Angelo State U.	ne	NA	66	10	20	21	12	0	0	3	0
424	C. of the Holy Cross	6	27	59	36	0	0	23	0	0	0	0
425	AR State U. main campus	35	27	58	0	0	0	53	0	0	5	0
426	Norfolk State U.	28	161	51	0	0	0	21	0	30	0	0
427	Sweet Briar C.	ne	ne	49	4	0	0	43	0	0	2	0
428	U. TX Tyler	62	119	49	4	0	45	0	0	0	0	0
429	Gustavus Adolphus C.	36	33	48	3	9	0	23	0	0	13	0
430	Denison U.	NA	30	45	0	0	0	10	0	0	1	34
431	Pittsburg State U.	25	13	44	0	0	44	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
432	CUNY Medgar Evers C.	135	89	43	0	0	0	3	12	0	0	28
433	VA Military Institute	76	77	42	1	0	0	41	0	0	0	0
434	Governors State U.	238	115	41	0	0	11	0	0	0	0	30
435	U. New Haven	5	ne	41	0	0	0	0	41	0	0	0
436	U. Scranton	57	33	40	0	0	0	40	0	0	0	0
437	U. of the South	0	66	39	0	0	0	35	0	0	4	0
438	Alfred U. all campuses	312	36	36	0	0	0	0	0	0	36	0
439	Allegheny C.	26	17	35	0	1	0	27	0	0	7	0
440	Kansas City U. of Medicine and Biosciences	43	35	35	0	0	35	0	0	0	0	0
441	Heritage U. (Toppenish, WA)	19	29	34	0	0	34	0	0	0	0	0
442	Trinity U.	32	26	29	9	0	0	20	0	0	0	0
443	Harvey Mudd C.	114	0	28	0	0	0	28	0	0	0	0
444	SUNY C. Buffalo	0	0	26	0	0	26	0	0	0	0	0
445	Vassar C.	NA	56	25	0	0	0	0	25	0	0	0
446	Southern Polytechnic State U.	ne	ne	21	0	0	21	0	0	0	0	0
447	Trinity C. (Hartford, CT)	29	20	21	0	0	1	12	0	0	8	0
448	Bradley U.	7	8	20	1	0	6	0	0	1	12	0
449	Jacksonville U.	ne	0	20	20	0	0	0	0	0	0	0
450	Pacific Lutheran U.	ne	ne	20	0	0	0	20	0	0	0	0
451	SUNY C. Old Westbury	47	73	18	5	0	1	12	0	0	0	0
452	Prairie View A&M U.	279	77	17	0	0	13	4	0	0	0	0
453	Muhlenberg C.	0	111	15	0	0	0	15	0	0	0	0
454	Sonoma State U.	16	82	15	0	0	0	10	0	0	5	0
455	Juniata C.	0	0	14	0	0	14	0	0	0	0	0
456	Elizabeth City State U.	18	14	12	0	0	0	0	12	0	0	0
457	Whitman C.	0	5	12	0	0	0	12	0	0	0	0
458	Morehead State U.	12	37	10	0	0	5	5	0	0	0	0
459	Murray State U.	23	15	10	1	0	0	2	0	0	4	3
460	U. WI River Falls	8	4	10	0	1	0	6	0	0	0	3
461	Barnard C.	91	0	8	0	0	4	4	0	0	0	0
462	U. New England	ne	0	8	0	0	0	0	0	8	0	0
463	U.S. Coast Guard Academy	0	11	7	0	0	0	5	2	0	0	0
464	LeTourneau U.	ne	ne	5	0	0	5	0	0	0	0	0
465	MA C. of Pharmacy and Health Sciences	NA	NA	5	0	4	1	0	0	0	0	0
466	U. PR Humacao	11	20	5	0	0	0	0	0	2	0	3
467	St. Mary's C. MD	0	0	4	0	0	0	4	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
468	Pitzer C.	8	7	3	0	0	0	3	0	0	0	0
469	SUNY Fredonia	59	45	2	0	0	2	0	0	0	0	0
470	Western KY U.	226	389	2	0	0	2	0	0	0	0	0
471	Columbia U. in the City of NY	NA	1	1	NA	NA	NA	NA	NA	NA	NA	NA
472	Hampshire C.	0	0	1	NA	NA	NA	NA	NA	NA	NA	NA
473	U. WI Superior	14	3	1	0	0	1	0	0	0	0	0
474	Washington and Lee U.	64	45	1	0	0	0	1	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0	0
	AL A&M U.	0	0	0	0	0	0	0	0	0	0	0
	AL State U.	0	0	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0	0
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0	0
	Albany State U.	NA	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0
	Arcadia U.	NA	NA	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0	0	0	0	0	0
	Baylor C. of Medicine	0	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0	0
	Bowie State U.	141	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. Pomona	0	0	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	0	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	ne	NA	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	ne	0	0	0	0	0	0	0	0	0	0
	Central State U.	NA	NA	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	ne	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0	0	0	0	0	0
	Clark Atlanta U.	33	0	0	0	0	0	0	0	0	0	0
	CO School of Mines	0	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	737	0	0	0	0	0	0	0	0	0
	Cooper Union	0	ne	0	0	0	0	0	0	0	0	0
	Creighton U.	NA	NA	0	0	0	0	0	0	0	0	0
	Dartmouth C.	13	52	0	0	0	0	0	0	0	0	0
	Des Moines U.	NA	0	0	0	0	0	0	0	0	0	0
	Desert Research Institute	0	0	0	0	0	0	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007									
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other	
	Dowling C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	NA	21	0	0	0	0	0	0	0	0	0	0
	Eastern VA Medical School	0	0	0	0	0	0	0	0	0	0	0	0
	Embry-Riddle Aeronautical U.	1,304	NA	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	NA	0	0	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Furman U.	0	0	0	0	0	0	0	0	0	0	0	0
	Goucher C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Grambling State U.	465	144	0	0	0	0	0	0	0	0	0	0
	Hampton U.	155	114	0	0	0	0	0	0	0	0	0	0
	Hendrix C.	74	0	0	0	0	0	0	0	0	0	0	0
	Hope C.	0	0	0	0	0	0	0	0	0	0	0	0
	Humboldt State U.	NA	0	0	0	0	0	0	0	0	0	0	0
	Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0	0	0
	Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Medical C. GA	0	0	0	0	0	0	0	0	0	0	0	0
	Medical C. WI	0	0	0	0	0	0	0	0	0	0	0	0
	Medical U. SC	0	0	0	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	0	0	0	0	0	0	0	0	0	0	0	0
	Mercy C.	ne	0	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0	0	0
	Miles C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Millsaps C.	NA	0	0	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	0	0	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	23	0	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007									
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other	
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0	0	0
	NM Institute of Mining and Technology	NA	0	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	0	0	0	0	0	0	0	0	0	0	0	0
	NY Medical C.	NA	NA	0	0	0	0	0	0	0	0	0	0
	NC Central U.	NA	0	0	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	NA	0	0	0	0	0	0	0	0	0	0
	Oglala Lakota C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0	0	0
	Pacific U.	1,242	361	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Philadelphia U.	NA	0	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	ne	ne	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0	0	0
	Rockefeller U.	0	0	0	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0
	Rush U.	0	0	0	0	0	0	0	0	0	0	0	0
	Sarah Lawrence C.	ne	0	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	NA	0	0	0	0	0	0	0	0	0	0
	Scripps Research Institute, The	0	0	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0	0	0
	SC State U.	0	0	0	0	0	0	0	0	0	0	0	0
	SD School of Mines and Technology	0	0	0	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007

(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	5	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	0	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Environmental Science and Forestry	NA	NA	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	0	0	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	0	0	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	0	0	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	0	0	0	0	0	0	0	0	0	0	0
	Thomas Jefferson U.	0	0	0	0	0	0	0	0	0	0	0
	Towson U.	5	16	0	0	0	0	0	0	0	0	0
	Troy U. main campus	ne	0	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	NA	NA	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	ne	NA	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	NA	NA	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	NA	NA	0	0	0	0	0	0	0	0	0
	U. DC	0	NA	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	0	0	0	0	0	0	0	0	0	0	0
	U. AR Pine Bluff	645	0	0	0	0	0	0	0	0	0	0
	U. CA, San Francisco	NA	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0	0
	U. GU	NA	0	0	0	0	0	0	0	0	0	0
	U. MD Biotechnology Institute	0	0	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	0	0	0	0	0	0	0	0	0	0	0
	U. MA Worcester	0	0	0	0	0	0	0	0	0	0	0
	U. of Medicine and Dentistry NJ	0	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	ne	0	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	0	0	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	0	NA	0	0	0	0	0	0	0	0	0
	U. SD	238	279	0	0	0	0	0	0	0	0	0
	U. TX Dallas	0	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. Houston	0	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	0	0	0	0	0	0	0	0	0	0	0

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	U. TX M. D. Anderson Cancer Ctr.	0	0	0	0	0	0	0	0	0	0	0
	U. TX Medical Branch	0	0	0	0	0	0	0	0	0	0	0
	U. TX Southwestern Medical Ctr. Dallas	0	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0	0
	U. of the VI	0	NA	0	0	0	0	0	0	0	0	0
	Valparaiso U.	0	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	ne	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0
	WV State U.	0	0	0	0	0	0	0	0	0	0	0
	Wilberforce U.	ne	ne	0	0	0	0	0	0	0	0	0
	Wilkes U.	ne	0	0	0	0	0	0	0	0	0	0
	Woods Hole Oceanographic Institution	0	0	0	0	0	0	0	0	0	0	0
	Yeshiva U.	NA	0	0	0	0	0	0	0	0	0	0
	All other surveyed institutions	6,811	3,684	0	0	0	0	0	0	0	0	0

NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

S&E = science and engineering.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in total non-S&E R&D expenditures in FY 2007.

NOTES: Institutions not listed in this table did not provide non-S&E R&D expenditures by non-S&E field. Institutions that reported amounts of zero or more are included. Detail may not add to total because some respondents reporting non-S&E R&D expenditures did not break out total and federal funds by non-S&E field. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	All institutions	762,919	774,506	810,186	52,376	31,784	473,305	60,822	28,702	40,581	4,402	118,214
1	Harvard U.	35,935	39,607	27,010	0	0	5,086	31	299	0	0	21,594
2	U. TX Austin	15,084	21,685	24,800	729	695	15,539	335	77	2,313	0	5,112
3	U. WA	NA	23,986	21,015	128	0	6,910	2,463	105	11,409	0	0
4	U. WI Madison	25,935	21,310	20,910	1,671	344	17,086	1,309	119	126	0	255
5	OR State U.	18,293	16,742	19,020	0	191	548	45	0	0	0	18,236
6	U. MI all campuses	16,969	17,865	17,360	938	0	13,146	139	0	3,137	0	0
7	MI State U.	12,726	12,476	17,321	1,227	1,305	12,611	128	0	46	0	2,004
8	George Washington U.	15,001	16,628	16,909	35	0	14,539	950	1,385	0	0	0
9	Southern IL U. Edwardsville	14,731	14,530	14,270	334	125	13,176	0	0	182	453	0
10	U. South FL	471	3,587	12,830	1,495	784	9,853	319	0	371	1	7
11	Purdue U. all campuses	12,517	12,920	11,693	1,081	477	3,010	223	0	0	0	6,902
12	U. Central FL	1,582	3,310	11,376	1,291	0	10,062	19	4	0	0	0
13	Vanderbilt U.	4,958	8,174	11,326	53	1,917	9,048	74	234	0	0	0
14	NY U.	32,483	8,345	11,244	280	726	5,149	347	440	487	146	3,669
15	U. MO-Columbia	8,757	8,264	11,217	21	1,157	3,461	106	22	195	0	6,255
16	Johns Hopkins U., The ^a	14,467	11,761	11,193	0	0	0	11,193	0	0	0	0
17	U. PA	10,561	10,129	10,571	419	2,225	6,958	335	0	634	0	0
18	FL State U.	13,854	11,586	10,369	104	429	9,022	102	58	583	71	0
19	FL International U.	7,390	12,264	10,225	722	2,965	3,790	1,999	96	0	504	149
20	U. CA, Los Angeles	NA	8,753	9,896	50	115	9,349	161	221	0	0	0
21	U. KS all campuses	11,503	11,658	9,630	0	0	9,394	21	0	207	8	0
22	IN U. all campuses	3,095	4,626	9,596	555	3,114	4,119	148	10	184	750	716
23	TX A&M U.	6,744	7,955	9,479	152	68	8,762	484	13	0	0	0
24	U. West FL	6,927	6,859	8,332	5,697	0	2,598	0	0	0	0	37
25	U. OR	7,056	8,352	8,241	0	0	8,224	17	0	0	0	0
26	U. HI Hilo	5,395	9,284	7,352	0	0	7,352	0	0	0	0	0
27	Western MI U.	6,564	6,200	7,296	7	160	6,360	405	0	0	0	364
28	U. CO all campuses	5,767	5,022	7,289	26	151	4,158	50	0	287	0	2,617
29	Old Dominion U.	199	5,363	7,282	2	0	7,254	19	0	0	0	7
30	MT State U. Bozeman	7,220	7,993	7,152	82	65	1,743	25	0	863	3	4,371
31	C. of William and Mary all campuses	4,914	6,053	7,062	0	0	6,384	77	601	0	0	0
32	U. MA Boston	460	521	6,952	0	0	5,028	77	46	0	33	1,768
33	U. FL	6,552	6,028	6,902	22	374	2,051	249	45	0	76	4,085
34	U. NC Greensboro	10,649	7,006	6,881	0	13	6,834	23	0	0	0	11
35	VA Commonwealth U.	12,410	14,583	6,553	88	119	6,164	1	0	0	126	55

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
36	CO State U.	5,417	10,982	6,399	1,101	444	1,044	47	0	0	7	3,756
37	U. TX El Paso	8,663	7,513	6,200	4	0	5,840	350	0	0	0	6
38	Fayetteville State U.	7,668	0	6,146	0	0	5,682	0	10	142	236	76
39	MA Institute of Technology	5,510	5,109	5,696	884	222	3,405	99	0	0	144	942
40	U. WI Milwaukee	4,354	4,783	5,614	207	0	5,070	24	0	228	0	85
41	Eastern KY U.	721	3,068	5,598	5	0	2	0	5,591	0	0	0
42	U. IA	4,765	5,445	5,582	139	91	1,451	1,293	2,302	0	0	306
43	San Jose State U.	8,376	8,086	5,579	960	0	2,150	60	0	0	7	2,402
44	U. MD College Park	18,457	8,033	5,412	768	128	3,939	521	0	0	56	0
45	U. NH	6,114	4,749	5,260	702	0	4,207	245	0	104	0	2
46	U. TN all campuses	582	472	5,121	3,914	14	79	235	0	378	0	501
47	U. Memphis, The	1,989	2,843	5,107	518	8	4,535	12	0	0	0	34
48	U. CA, Berkeley	NA	4,412	5,104	2	1	5,020	2	79	0	0	0
49	U. OK all campuses	2,785	2,265	4,983	98	312	3,652	84	0	0	0	837
50	U. CA, Riverside	NA	4,186	4,930	0	0	3,641	1,243	0	0	0	46
51	FL Gulf Coast U.	5,219	5,890	4,875	315	66	4,136	0	0	0	0	358
52	U. Pittsburgh all campuses	3,168	3,941	4,794	206	0	4,429	159	0	0	0	0
53	Case Western Reserve U.	612	4,189	4,780	0	0	0	4,780	0	0	0	0
54	U. VA all campuses	5,090	4,607	4,616	19	76	3,250	1,027	0	0	0	244
55	Central WA U.	3,865	3,991	4,598	0	0	36	70	0	0	0	4,492
56	U. IL Urbana-Champaign	6,957	4,232	4,537	148	958	2,746	151	258	209	0	67
57	CA State U. Northridge	6,316	3,766	4,535	75	0	3,926	140	0	0	0	394
58	GA Southern U.	2,830	3,962	4,406	181	0	4,049	0	0	176	0	0
59	Western IL U.	4,900	5,100	4,400	100	0	4,300	0	0	0	0	0
60	U. Southern CA	8,371	8,588	4,222	633	1,211	1,561	428	0	341	48	0
61	Wichita State U.	10,448	4,194	4,165	270	177	3,712	5	0	0	1	0
62	Eastern IL U.	NA	NA	4,111	197	68	926	0	0	2,920	0	0
63	Polytechnic U.	4,306	4,000	4,000	0	0	4,000	0	0	0	0	0
64	Stevens Institute of Technology	3,448	2,722	3,991	175	0	3,816	0	0	0	0	0
65	U. Denver	4,078	3,229	3,977	0	0	157	1	3,625	194	0	0
66	Northwestern U.	4,166	4,492	3,927	538	208	3,096	67	0	0	18	0
67	U. KY all campuses	8,262	4,128	3,871	0	465	1,961	79	0	35	0	1,331
68	U. MN all campuses	2,910	3,508	3,860	0	0	2,747	53	547	31	54	428
69	U. GA	5,112	3,792	3,804	0	8	3,796	0	0	0	0	0
70	Portland State U.	297	3,439	3,759	0	67	2,929	71	0	692	0	0
71	AZ State U.	2,518	3,431	3,644	11	157	1,947	377	0	679	1	472

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
72	GA State U.	3,666	3,574	3,636	298	0	2,954	5	0	68	10	301
73	OH State U. all campuses	16,202	3,692	3,521	0	35	2,691	481	0	0	4	310
74	Naval Postgraduate School	2,170	5,108	3,512	3,450	62	0	0	0	0	0	0
75	Temple U.	1,857	3,663	3,326	202	0	801	0	2,092	231	0	0
76	U. CT all campuses	1,601	2,077	3,316	400	945	680	24	0	1,227	40	0
77	U. North FL	1,304	1,397	3,223	15	0	3,208	0	0	0	0	0
78	Georgetown U.	2,176	2,633	2,982	253	0	0	2,729	0	0	0	0
79	Ball State U.	1,797	1,646	2,962	790	0	1,734	249	0	0	0	189
80	U. ME	613	357	2,956	85	269	1,417	71	0	1,114	0	0
81	Tufts U.	2,428	2,670	2,905	0	0	1,298	1,591	16	0	0	0
82	Northeastern U.	2,223	2,413	2,815	46	92	1,100	1,025	324	201	27	0
83	Southern Methodist U.	1,568	2,402	2,813	0	0	1,964	0	849	0	0	0
84	U. MS all campuses	4,392	4,311	2,791	0	0	518	1,139	1,110	0	0	24
85	U. NV, Las Vegas	630	428	2,703	44	0	186	10	0	269	0	2,194
86	U. Rochester	1,862	2,023	2,689	90	433	2,105	42	0	0	19	0
87	U. MO-Kansas City	497	436	2,602	372	0	0	115	0	245	62	1,808
88	U. Chicago	2,763	2,971	2,591	686	0	0	114	0	1,517	0	274
89	SUNY Buffalo all campuses	3,082	2,516	2,583	129	52	1,526	0	30	21	0	825
90	U. Houston	4,151	4,054	2,528	21	0	2,335	0	0	0	0	172
91	Stanford U.	2,925	2,247	2,445	154	276	1,642	278	8	0	0	87
92	LA State U. all campuses	105	1,249	2,395	25	98	359	667	0	809	4	433
93	Brigham Young U. all campuses	2,608	3,298	2,318	314	208	452	1,332	0	0	12	0
94	Rutgers, The State U. NJ all campuses	2,630	2,325	2,233	124	913	1,073	100	0	0	23	0
95	Hofstra U.	NA	2,235	2,222	0	0	2,222	0	0	0	0	0
96	Washington U. St. Louis	2,665	3,258	2,208	250	0	1,909	49	0	0	0	0
97	CA State U. Fullerton	2,658	2,704	2,155	1,575	0	443	40	0	93	0	4
98	U. AL Huntsville, The	1,393	1,729	2,089	2,073	0	0	16	0	0	0	0
99	VA State U.	0	1,797	2,048	0	0	922	0	0	0	0	1,126
100	Kent State U. all campuses	3,176	2,855	2,012	0	462	440	26	30	0	0	1,054
101	Boston U.	2,636	3,166	1,989	496	0	276	246	0	718	0	253
102	U. NC Charlotte	2,378	2,367	1,971	0	0	1,671	63	0	0	0	237
103	PA State U. all campuses	1,911	1,953	1,964	436	815	577	132	0	0	4	0
104	Syracuse U. all campuses	0	1,381	1,956	0	0	1,392	0	482	2	0	80
105	Princeton U.	657	912	1,924	0	94	188	1,242	0	0	151	249
106	U. IL Chicago	1,891	1,764	1,918	345	77	1,151	307	0	0	38	0
107	Yale U.	516	1,469	1,906	0	0	0	693	1,213	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
108	St. Louis U. all campuses	0	0	1,884	97	637	906	57	0	124	0	63
109	George Mason U.	11,429	9,215	1,864	27	0	1,350	315	142	0	0	30
110	U.S. Air Force Academy	677	0	1,841	263	0	0	1,315	263	0	0	0
111	Eastern MI U.	522	2,826	1,835	0	0	1,108	286	0	441	0	0
112	U. AR main campus	2,140	2,431	1,815	138	5	207	976	484	0	0	5
113	Shaw U.	1,475	1,920	1,806	0	101	1,615	65	0	0	25	0
114	IA State U.	3,426	2,869	1,805	208	0	1,582	15	0	0	0	0
115	U. SC all campuses	3,012	1,072	1,795	0	267	1,252	95	0	181	0	0
116	U. Miami	1,355	1,484	1,774	0	0	1,768	6	0	0	0	0
117	Dillard U.	NA	ne	1,765	0	0	0	0	0	0	0	1,765
118	UT State U.	907	1,335	1,681	0	0	1,163	518	0	0	0	0
119	San Diego State U.	748	2,419	1,653	326	0	873	0	0	454	0	0
120	U. DE	1,642	1,426	1,650	118	0	1,512	20	0	0	0	0
121	NM State U. main campus	665	408	1,594	157	0	1,398	39	0	0	0	0
122	U. Louisville	1,109	1,439	1,591	2	0	334	0	0	386	0	869
123	Tuskegee U.	1,128	1,285	1,529	0	0	1,529	0	0	0	0	0
124	Southwestern OK State U.	ne	ne	1,522	0	0	1,522	0	0	0	0	0
125	U. MA Amherst	1,847	2,068	1,511	245	0	1,167	99	0	0	0	0
126	U. CA, Santa Barbara	NA	1,517	1,487	0	107	964	221	0	0	195	0
127	CUNY Graduate Ctr.	2,111	1,097	1,483	0	0	997	187	0	0	0	299
128	WV U.	425	498	1,460	96	57	229	105	0	0	0	973
129	Lehigh U.	1,871	1,400	1,443	0	0	1,443	0	0	0	0	0
130	CA Institute of Technology	0	55	1,431	0	0	0	1,431	0	0	0	0
131	U. MO-St. Louis	1,052	475	1,424	81	0	621	0	0	138	0	584
132	Cornell U. all campuses	1,334	1,087	1,374	185	0	607	167	205	0	0	210
133	Rochester Institute of Technology	1,163	780	1,347	14	6	1,243	84	0	0	0	0
134	U. Southern MS	859	1,598	1,327	114	26	1,186	0	0	1	0	0
135	SUNY C. Plattsburgh	2,222	2,271	1,297	29	0	1,213	0	0	0	0	55
136	Fairfield U.	2,432	1,772	1,295	0	0	66	0	0	0	127	1,102
137	U. NC Chapel Hill	1,189	986	1,286	208	662	41	313	0	0	62	0
138	John Carroll U.	1,186	1,235	1,269	0	0	1,269	0	0	0	0	0
139	Brown U.	892	0	1,265	0	0	986	161	0	0	0	118
140	U. Dayton	1,502	1,803	1,263	34	0	1,170	0	0	0	59	0
141	U. AK Anchorage all campuses	0	1,892	1,248	174	0	856	0	218	0	0	0
142	Chapman U.	0	1,063	1,227	0	0	1,132	0	95	0	0	0
143	SUNY Binghamton	0	109	1,216	201	0	1,015	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
144	U. NV, Reno	564	483	1,211	504	0	432	35	240	0	0	0
145	U. PR Mayaguez Campus	1,240	1,000	1,202	68	0	1,115	19	0	0	0	0
146	IL Institute of Technology	1,724	762	1,199	93	0	27	45	962	0	0	72
147	Seton Hall U.	56	1,878	1,192	0	0	1,173	19	0	0	0	0
148	U. of the Pacific	270	1,210	1,191	223	290	359	0	247	53	19	0
149	Cleveland State U.	5,038	928	1,185	77	11	608	459	0	30	0	0
150	Rowan U.	1,144	1,262	1,165	15	47	1,055	48	0	0	0	0
151	St. Cloud State U.	1,454	1,250	1,127	0	102	774	0	0	251	0	0
152	U. TX San Antonio	251	1,186	1,124	143	0	945	36	0	0	0	0
153	MT Tech of the U. MT	880	993	1,122	0	0	988	0	0	0	0	134
154	American U.	39	388	1,118	0	16	26	0	1,076	0	0	0
155	TX Christian U.	1,004	1,024	1,087	0	0	1,023	9	0	55	0	0
156	TX Tech U.	884	893	1,087	0	0	1,049	0	38	0	0	0
157	U. NM main campus	1,851	2,481	1,082	0	108	917	27	30	0	0	0
158	Southern OR U.	863	1,479	1,053	56	42	947	5	0	0	3	0
159	Dickinson C.	802	431	1,043	0	0	0	1,031	0	0	0	12
160	Loyola C.	0	NA	994	0	0	0	0	0	0	0	994
161	CA State U. San Bernardino	2,472	106	985	0	0	0	0	417	159	409	0
162	Drake U.	854	784	970	0	0	700	105	165	0	0	0
163	U. Toledo	159	1,115	938	233	0	705	0	0	0	0	0
164	U. AL Birmingham, The	1,304	1,297	937	604	0	333	0	0	0	0	0
165	WA State U.	953	3,455	934	0	75	785	74	0	0	0	0
166	U. CA, Santa Cruz	NA	620	918	0	0	772	42	0	0	104	0
167	U. LA Monroe	0	1,008	911	0	0	866	45	0	0	0	0
168	GA Institute of Technology all campuses	492	1,388	897	0	48	0	78	0	0	0	771
169	Boston C.	735	493	891	9	0	849	5	0	0	0	28
170	U. NE all campuses	1,870	723	872	262	0	486	124	0	0	0	0
171	ND State U. all campuses	141	668	870	0	236	619	14	0	0	0	1
172	Duquesne U.	792	494	843	425	1	267	66	70	0	14	0
173	U. Hartford	0	0	806	158	0	234	0	0	414	0	0
174	CA State U. Long Beach	872	558	799	0	0	782	0	0	0	0	17
175	U. Tulsa	486	814	793	11	11	191	572	7	0	1	0
176	NC State U.	NA	0	792	229	0	463	100	0	0	0	0
177	Tougaloo C.	NA	0	775	0	0	0	0	0	775	0	0
178	U. AZ	96	1,088	741	0	15	428	298	0	0	0	0
179	KS State U.	1,227	909	729	4	0	62	0	0	0	0	663

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
180	U. TX-Pan American	771	1,099	725	0	0	685	39	1	0	0	0
181	U. MA Lowell	1,298	857	714	0	0	15	0	186	0	0	513
182	CUNY Hunter C.	583	707	705	0	0	700	5	0	0	0	0
183	U. CA, Irvine	NA	353	699	49	0	516	134	0	0	0	0
184	Drexel U.	2,843	416	672	25	226	226	39	0	0	0	156
185	U. North TX	878	666	623	8	192	369	54	0	0	0	0
186	U. CA, Davis	NA	383	603	0	0	531	25	0	0	47	0
187	Worcester Polytechnic Institute	57	854	601	203	5	393	0	0	0	0	0
188	Fisk U.	600	0	600	0	0	500	0	0	0	100	0
189	CA State U. Dominguez Hills	3,123	0	587	494	0	0	0	0	10	0	83
190	TX State U. San Marcos	124	58	563	0	0	0	16	546	0	0	1
191	U. MO-Rolla	78	1,371	542	5	0	0	0	0	0	0	537
192	U. Southern ME	NA	926	542	0	0	542	0	0	0	0	0
193	San Francisco State U.	320	545	534	0	0	287	7	0	0	0	240
194	U. of Notre Dame	452	538	517	33	78	0	159	0	0	0	247
195	Loyola Marymount U.	0	0	506	236	0	268	0	0	0	2	0
196	FL Institute of Technology	243	1,200	503	490	0	13	0	0	0	0	0
197	Emory U.	130	201	493	0	33	266	62	0	132	0	0
198	Clemson U.	1,062	913	489	34	0	235	0	0	0	0	220
199	U. TX Arlington	136	89	485	0	0	152	20	0	313	0	0
200	Duke U.	584	440	483	0	0	0	70	413	0	0	0
201	CA State U. Los Angeles	226	276	473	0	0	385	4	0	0	0	84
202	U. PR Cayey	ne	ne	450	0	0	450	0	0	0	0	0
203	Northeastern IL U.	537	0	440	0	0	440	0	0	0	0	0
204	CUNY Queens C.	289	0	438	0	0	438	0	0	0	0	0
205	Boise State U.	6	898	421	0	0	213	2	0	0	0	206
206	DePaul U.	334	455	415	47	0	10	358	0	0	0	0
207	VA Polytechnic Institute and State U.	779	1,135	412	296	21	59	0	0	0	0	36
208	Simmons C.	776	828	407	0	192	0	0	0	215	0	0
209	Sinte Gleska U.	250	659	401	0	0	0	0	0	401	0	0
210	U. LA Lafayette	312	223	387	165	63	133	26	0	0	0	0
211	U. MA Dartmouth	338	377	387	2	0	233	152	0	0	0	0
212	Roger Williams U. Bristol	630	872	385	0	0	175	0	210	0	0	0
213	Lamar U.	0	0	384	0	0	297	0	0	0	0	87
214	Adelphi U.	ne	ne	382	0	0	82	0	0	300	0	0
215	Claremont Graduate U.	755	602	373	0	0	82	22	0	0	0	269

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
216	IL State U.	424	274	373	0	0	53	0	0	58	0	262
217	U. VT	79	157	370	11	0	279	80	0	0	0	0
218	Auburn U. all campuses	530	509	368	316	0	5	47	0	0	0	0
219	U. Portland	179	335	367	0	0	367	0	0	0	0	0
220	Wayne State U.	1,133	581	356	0	7	12	93	0	73	0	171
221	Loyola U. Chicago	944	483	354	24	0	275	0	0	55	0	0
222	Rose-Hulman Institute of Technology	422	294	354	0	0	354	0	0	0	0	0
223	U. Cincinnati all campuses	488	564	343	0	14	240	66	0	0	23	0
224	Smith C.	239	351	338	0	0	0	125	0	213	0	0
225	SD State U.	3	5	335	0	0	335	0	0	0	0	0
226	C. Charleston	302	238	333	83	0	186	64	0	0	0	0
227	U. West GA	340	325	325	50	0	275	0	0	0	0	0
228	Truman State U.	0	0	321	0	0	321	0	0	0	0	0
229	West Chester U. PA	1,275	68	316	0	5	0	139	0	0	0	172
230	U. UT	109	201	315	16	0	88	211	0	0	0	0
231	DE State U.	388	364	310	165	0	0	20	0	125	0	0
232	U. IL Springfield	0	0	303	0	0	178	102	0	23	0	0
233	U. San Diego	0	175	303	0	0	0	8	0	295	0	0
234	CA State U. Fresno	22	116	300	175	0	99	0	0	0	0	26
235	Augsburg C.	247	524	294	0	0	131	0	0	0	0	163
236	Clark U.	114	136	293	0	0	293	0	0	0	0	0
237	MN State U. Mankato	0	0	292	0	0	0	0	0	0	0	292
238	TX Southern U.	225	572	292	0	0	272	0	0	0	0	20
239	Eastern WA U.	200	228	291	0	0	0	0	0	291	0	0
240	CA State Polytechnic U. San Luis Obispo	106	300	287	0	117	170	0	0	0	0	0
241	Hamilton C. (Clinton, NY)	316	320	284	0	0	15	0	0	269	0	0
242	OR Institute of Technology	361	299	278	35	3	240	0	0	0	0	0
243	U. South AL	0	420	276	0	0	20	256	0	0	0	0
244	Wheeling Jesuit U.	NA	NA	276	0	0	276	0	0	0	0	0
245	Bucknell U.	5	329	275	0	0	0	71	0	0	0	204
246	Villanova U.	NA	NA	256	0	2	92	162	0	0	0	0
247	Howard U.	232	166	255	17	0	145	8	0	85	0	0
248	Providence C.	329	301	237	0	0	237	0	0	0	0	0
249	Rice U.	228	158	237	141	0	0	96	0	0	0	0
250	Western U. of Health Sciences	0	0	237	0	0	237	0	0	0	0	0
251	U. MD Baltimore County	15	55	235	5	0	0	227	0	0	0	3

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007 (Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
252	Bowling Green State U. all campuses	16	777	231	0	138	93	0	0	0	0	0
253	U.S. Naval Academy	0	252	231	0	0	0	231	0	0	0	0
254	Rensselaer Polytechnic Institute	217	724	229	98	40	91	0	0	0	0	0
255	Western CT State U.	ne	ne	225	0	0	225	0	0	0	0	0
256	KY State U.	56	543	222	0	0	222	0	0	0	0	0
257	Appalachian State U.	129	15	211	105	0	68	38	0	0	0	0
258	Catholic U. America, The	685	297	209	0	0	29	76	21	83	0	0
259	U. AL, The	153	150	209	0	59	16	0	13	113	0	8
260	National U. of Health Sciences	0	0	208	0	0	208	0	0	0	0	0
261	U.S. Military Academy	ne	ne	205	0	0	79	36	90	0	0	0
262	Middlebury C.	NA	ne	193	0	0	148	45	0	0	0	0
263	Morehouse C.	406	139	192	3	172	0	17	0	0	0	0
264	Wake Forest U.	30	160	188	0	188	0	0	0	0	0	0
265	CUNY John Jay C. of Criminal Justice	0	30	186	0	0	0	0	71	0	0	115
266	Benedict C.	0	184	174	0	0	174	0	0	0	0	0
267	Mercyhurst C.	ne	448	163	0	0	20	0	0	0	0	143
268	Central MI U.	0	0	158	0	0	0	158	0	0	0	0
269	LA Tech U.	131	57	158	153	0	0	0	0	0	5	0
270	U. Northern CO	742	449	156	0	0	107	49	0	0	0	0
271	Willamette U.	211	68	156	45	47	50	14	0	0	0	0
272	Black Hills State U.	1,832	447	154	0	0	154	0	0	0	0	0
273	Bryn Mawr C.	26	239	153	0	0	0	20	0	133	0	0
274	Stephen F. Austin State U.	189	35	151	0	0	151	0	0	0	0	0
275	U. WI Green Bay	131	249	151	151	0	0	0	0	0	0	0
276	U. NC Wilmington	784	383	148	54	0	94	0	0	0	0	0
277	MS State U.	136	245	142	0	0	3	0	0	0	0	139
278	TN Technological U.	318	240	142	0	0	138	4	0	0	0	0
279	Tulane U.	147	144	139	47	0	0	44	0	0	0	48
280	St. Joseph's U.	0	195	137	0	0	80	57	0	0	0	0
281	Western WA U.	360	181	137	0	0	0	0	0	137	0	0
282	U. Redlands	1,160	0	135	135	0	0	0	0	0	0	0
283	U. ID	1,791	1,317	129	0	4	122	0	0	3	0	0
284	Central CT State U.	91	89	127	127	0	0	0	0	0	0	0
285	U. Northern IA	517	154	126	0	0	126	0	0	0	0	0
286	Wellesley C.	331	77	121	0	0	0	0	0	0	50	71
287	FL Atlantic U.	128	638	120	57	0	62	0	0	1	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
288	East Carolina U.	103	114	118	0	0	115	0	0	0	0	3
289	IN State U. all campuses	116	122	118	0	48	0	70	0	0	0	0
290	Canisius C.	NA	63	116	0	0	116	0	0	0	0	0
291	SUNY C. Cortland	167	215	116	0	0	116	0	0	0	0	0
292	U. MD Eastern Shore	NA	155	114	0	0	0	114	0	0	0	0
293	U. CA, San Diego	NA	106	113	71	0	10	7	0	0	12	13
294	Hobart and William Smith Colleges	ne	ne	107	0	0	107	0	0	0	0	0
295	Southwest MO State U.	42	91	104	0	10	74	20	0	0	0	0
296	Northeastern State U.	601	393	103	0	0	10	0	0	0	0	93
297	St. John's U. (Jamaica, NY)	2,457	2,578	100	0	100	0	0	0	0	0	0
298	Kennesaw State U.	12	93	98	0	0	8	14	0	76	0	0
299	U. MT-Missoula, The	758	57	98	0	0	0	95	0	0	3	0
300	U. Puget Sound	97	35	98	0	0	0	98	0	0	0	0
301	Air Force Institute of Technology	304	367	93	93	0	0	0	0	0	0	0
302	NC Agricultural and Technical State U.	55	208	91	70	0	21	0	0	0	0	0
303	CUNY The City C.	573	494	90	0	0	0	90	0	0	0	0
304	Oakland U.	148	273	90	42	0	0	0	0	0	0	48
305	Northern IL U.	2,476	98	89	0	23	56	0	0	10	0	0
306	Wesleyan U.	68	22	85	0	0	0	80	0	0	5	0
307	Sam Houston State U.	9	3	81	0	0	81	0	0	0	0	0
308	Grand Valley State U.	141	96	80	0	0	80	0	0	0	0	0
309	Colgate U.	NA	107	78	0	0	16	62	0	0	0	0
310	ID State U.	201	201	78	0	0	78	0	0	0	0	0
311	CT C.	103	19	77	0	0	0	0	0	0	0	77
312	SUNY Stony Brook all campuses	192	0	75	8	0	51	0	0	16	0	0
313	CUNY Herbert H. Lehman C.	0	40	74	0	0	35	39	0	0	0	0
314	U. Richmond	222	144	74	0	66	8	0	0	0	0	0
315	U. Akron all campuses	563	84	67	0	0	67	0	0	0	0	0
316	Western Carolina U.	0	424	59	0	0	0	0	59	0	0	0
317	CUNY Brooklyn C.	0	220	56	0	0	0	56	0	0	0	0
318	James Madison U.	0	0	55	0	0	31	24	0	0	0	0
319	Marquette U.	103	45	54	0	0	54	0	0	0	0	0
320	Fuller Theological Seminary CA	0	NA	50	50	0	0	0	0	0	0	0
321	TX A&M U. Corpus Christi	1,399	52	42	0	0	22	0	20	0	0	0
322	U. WY	216	216	42	0	0	0	30	0	0	0	12
323	Davidson C.	NA	0	40	0	0	0	40	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
324	Indiana U. PA all campuses	65	19	40	0	0	0	0	0	0	0	40
325	U. WI Stevens Point	0	6	40	0	0	0	40	0	0	0	0
326	Marshall U.	1,050	623	37	0	11	18	8	0	0	0	0
327	U. WI Oshkosh	251	76	37	0	0	36	1	0	0	0	0
328	OH U. all campuses	110	57	36	0	0	33	3	0	0	0	0
329	Baylor U.	454	449	34	0	0	26	0	0	8	0	0
330	Heritage U. (Toppenish, WA)	19	29	34	0	0	34	0	0	0	0	0
331	U. New Haven	0	ne	34	0	0	0	0	34	0	0	0
332	AR State U. main campus	0	27	33	0	0	0	33	0	0	0	0
333	MI Technological U.	20	32	33	2	0	31	0	0	0	0	0
334	Swarthmore C.	0	0	30	0	0	0	30	0	0	0	0
335	VA Military Institute	0	0	27	0	0	0	27	0	0	0	0
336	Ithaca C.	0	0	26	26	0	0	0	0	0	0	0
337	SUNY C. Geneseo	167	68	25	0	0	0	25	0	0	0	0
338	Vassar C.	81	56	25	0	0	0	0	25	0	0	0
339	Governors State U.	238	115	24	0	0	11	0	0	0	0	13
340	Angelo State U.	ne	NA	21	0	0	21	0	0	0	0	0
341	Clarkson U.	NA	17	18	0	14	0	4	0	0	0	0
342	U. NC Asheville	19	9	15	0	0	0	0	0	0	0	15
343	U. ND all campuses	0	1	15	12	0	0	0	0	3	0	0
344	Prairie View A&M U.	207	71	13	0	0	13	0	0	0	0	0
345	MT State U. Billings	NA	16	12	12	0	0	0	0	0	0	0
346	Southeastern LA U.	17	26	12	0	0	12	0	0	0	0	0
347	Whitman C.	0	5	12	0	0	0	12	0	0	0	0
348	Amherst C.	0	164	10	0	0	0	0	0	10	0	0
349	Middle TN State U.	0	0	9	0	0	0	9	0	0	0	0
350	Barnard C.	42	0	8	0	0	4	4	0	0	0	0
351	Brandeis U.	107	17	8	0	0	0	0	8	0	0	0
352	Lafayette C.	85	14	7	7	0	0	0	0	0	0	0
353	Teachers C. Columbia U.	461	215	7	0	0	7	0	0	0	0	0
354	U.S. Coast Guard Academy	0	11	7	0	0	0	5	2	0	0	0
355	Gustavus Adolphus C.	0	0	5	0	5	0	0	0	0	0	0
356	LeTourneau U.	ne	ne	5	0	0	5	0	0	0	0	0
357	Pomona C.	65	34	5	0	0	0	5	0	0	0	0
358	U. WI Whitewater	1	0	5	0	0	3	0	0	0	0	2
359	Denison U.	NA	0	4	0	0	0	0	0	0	0	4

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
360	Xavier U. LA	NA	156	4	0	0	0	4	0	0	0	0
361	U. Baltimore	577	0	2	0	0	0	0	2	0	0	0
362	U. WI Stout	0	6	2	0	0	2	0	0	0	0	0
363	C. NJ, The	NA	0	1	0	0	0	0	1	0	0	0
364	Washington and Lee U.	64	45	1	0	0	0	1	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0	0
	AL A&M U.	0	0	0	0	0	0	0	0	0	0	0
	AL State U.	0	0	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0	0
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0	0
	Albany State U.	NA	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0
	Alfred U. all campuses	312	0	0	0	0	0	0	0	0	0	0
	Allegheny C.	9	0	0	0	0	0	0	0	0	0	0
	Andrews U.	135	89	0	0	0	0	0	0	0	0	0
	Arcadia U.	NA	NA	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0	0	0	0	0	0
	Bates C.	0	0	0	0	0	0	0	0	0	0	0
	Baylor C. of Medicine	0	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0	0
	Bowdoin C.	0	0	0	0	0	0	0	0	0	0	0
	Bowie State U.	141	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. Pomona	0	0	0	0	0	0	0	0	0	0	0
	CA State U. Bakersfield	4,605	2,427	0	0	0	0	0	0	0	0	0
	CA State U. East Bay	0	0	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	0	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	ne	NA	0	0	0	0	0	0	0	0	0
	Calvin C.	56	129	0	0	0	0	0	0	0	0	0
	Carleton C.	148	151	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	ne	0	0	0	0	0	0	0	0	0	0
	Carnegie Mellon U.	1,009	1	0	0	0	0	0	0	0	0	0
	Central State U.	NA	NA	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	ne	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	Chicago State U.	0	0	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0	0	0	0	0	0
	Clark Atlanta U.	33	0	0	0	0	0	0	0	0	0	0
	Coastal Carolina U.	0	0	0	0	0	0	0	0	0	0	0
	Coe C.	ne	ne	0	0	0	0	0	0	0	0	0
	Colby C.	23	4	0	0	0	0	0	0	0	0	0
	C. of the Holy Cross	0	0	0	0	0	0	0	0	0	0	0
	C. Wooster	NA	NA	0	0	0	0	0	0	0	0	0
	CO School of Mines	0	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	264	0	0	0	0	0	0	0	0	0
	Columbia U. in the City of NY	NA	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	ne	0	0	0	0	0	0	0	0	0
	Creighton U.	NA	NA	0	0	0	0	0	0	0	0	0
	CUNY Baruch C.	218	40	0	0	0	0	0	0	0	0	0
	CUNY C. Staten Island	0	0	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0	0
	Daemen C.	ne	ne	0	0	0	0	0	0	0	0	0
	Dartmouth C.	1	52	0	0	0	0	0	0	0	0	0
	Des Moines U.	NA	0	0	0	0	0	0	0	0	0	0
	Desert Research Institute	0	0	0	0	0	0	0	0	0	0	0
	Dowling C.	ne	ne	0	0	0	0	0	0	0	0	0
	East TN State U.	0	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	NA	0	0	0	0	0	0	0	0	0	0
	Eastern VA Medical School	0	0	0	0	0	0	0	0	0	0	0
	Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0	0
	Embry-Riddle Aeronautical U.	1,208	NA	0	0	0	0	0	0	0	0	0
	Evergreen State C.	NA	0	0	0	0	0	0	0	0	0	0
	FL A&M U.	74	772	0	0	0	0	0	0	0	0	0
	Fordham U.	14	0	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0	0
	Franklin & Marshall C.	0	0	0	0	0	0	0	0	0	0	0
	Furman U.	0	0	0	0	0	0	0	0	0	0	0
	Gallaudet U.	19	0	0	0	0	0	0	0	0	0	0
	Gettysburg C.	0	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007									
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other	
	Goucher C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Grambling State U.	465	82	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0	0	0
	Hampshire C.	0	0	0	0	0	0	0	0	0	0	0	0
	Hampton U.	0	0	0	0	0	0	0	0	0	0	0	0
	Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0	0	0
	Hendrix C.	74	0	0	0	0	0	0	0	0	0	0	0
	Hope C.	0	0	0	0	0	0	0	0	0	0	0	0
	Humboldt State U.	NA	0	0	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0	0	0
	Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Juniata C.	0	0	0	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	43	35	0	0	0	0	0	0	0	0	0	0
	Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0
	La Salle U.	ne	108	0	0	0	0	0	0	0	0	0	0
	Lake Forest C.	38	2	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0	0	0
	Lawrence U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0	0	0
	Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	6	0	0	0	0	0	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	NA	NA	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Medical C. GA	0	0	0	0	0	0	0	0	0	0	0	0
	Medical C. WI	0	0	0	0	0	0	0	0	0	0	0	0
	Medical U. SC	0	0	0	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007 (Dollars in thousands)

Rank	Institution	2005	2006	2007									
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other	
	Mercer U. all campuses	0	0	0	0	0	0	0	0	0	0	0	0
	Mercy C.	ne	0	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0	0	0
	Miles C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Millersville U. PA	ne	ne	0	0	0	0	0	0	0	0	0	0
	Millsaps C.	NA	0	0	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	0	0	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	0	0	0	0	0	0	0	0	0	0	0
	Morehead State U.	0	22	0	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Mt. Holyoke C.	0	0	0	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0	0	0
	Murray State U.	1	2	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0	0	0
	NM Highlands U.	0	0	0	0	0	0	0	0	0	0	0	0
	NM Institute of Mining and Technology	NA	0	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	0	0	0	0	0	0	0	0	0	0	0	0
	NY Medical C.	NA	NA	0	0	0	0	0	0	0	0	0	0
	Nicholls State U.	0	0	0	0	0	0	0	0	0	0	0	0
	Norfolk State U.	0	2	0	0	0	0	0	0	0	0	0	0
	NC Central U.	NA	0	0	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	0	0	0	0	0	0	0	0	0	0	0	0
	Northern AZ U.	74	140	0	0	0	0	0	0	0	0	0	0
	Northern KY U.	9	0	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	ne	ne	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	ne	0	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	NA	0	0	0	0	0	0	0	0	0	0
	Oglala Lakota C.	ne	ne	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007								
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	OK State U. all campuses	0	0	0	0	0	0	0	0	0	0	0
	Pace U. all campuses	0	0	0	0	0	0	0	0	0	0	0
	Pacific Lutheran U.	ne	ne	0	0	0	0	0	0	0	0	0
	Pacific U.	1,242	361	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0
	Philadelphia U.	NA	0	0	0	0	0	0	0	0	0	0
	Pittsburg State U.	0	0	0	0	0	0	0	0	0	0	0
	Pitzer C.	0	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	ne	ne	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0	0	0	0	0	0
	Rhodes C.	0	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0	0
	Rockefeller U.	0	0	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0
	Rush U.	0	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0	0
	Sarah Lawrence C.	ne	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	NA	0	0	0	0	0	0	0	0	0
	Scripps Research Institute, The	0	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0	0
	Sonoma State U.	0	0	0	0	0	0	0	0	0	0	0
	SC State U.	0	0	0	0	0	0	0	0	0	0	0
	SD School of Mines and Technology	0	0	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0	0	0	0	0	0
	Southern CT State U.	604	NA	0	0	0	0	0	0	0	0	0
	Southern IL U. Carbondale	14	0	0	0	0	0	0	0	0	0	0
	Southern Polytechnic State U.	ne	ne	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0	0
	Spelman C.	0	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0
	SUNY Albany	4,270	2,753	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	0	0	0	0	0	0	0	0	0	0	0
	SUNY C. Buffalo	0	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Environmental Science and Forestry	NA	NA	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0	0
	SUNY C. Old Westbury	47	62	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	8	2	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	0	0	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	0	0	0	0	0	0	0	0	0	0	0
	Sweet Briar C.	ne	ne	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	46	0	0	0	0	0	0	0	0	0
	TN State U.	24	0	0	0	0	0	0	0	0	0	0
	TX A&M U. Commerce	352	128	0	0	0	0	0	0	0	0	0
	TX A&M U. Kingsville	57	0	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	0	0	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	0	0	0	0	0	0	0	0	0	0	0
	TX Woman's U.	0	0	0	0	0	0	0	0	0	0	0
	Thomas Jefferson U.	0	0	0	0	0	0	0	0	0	0	0
	Towson U.	0	0	0	0	0	0	0	0	0	0	0
	Trinity C. (Hartford, CT)	0	0	0	0	0	0	0	0	0	0	0
	Trinity U.	0	0	0	0	0	0	0	0	0	0	0
	Troy U. main campus	ne	0	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	NA	NA	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	ne	NA	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	NA	NA	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	NA	NA	0	0	0	0	0	0	0	0	0
	U. DC	0	NA	0	0	0	0	0	0	0	0	0
	U. AK Southeast all campuses	0	0	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	0	0	0	0	0	0	0	0	0	0	0
	U. AR Pine Bluff	345	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	NA	0	0	0	0	0	0	0	0	0	0
	U. CA, Merced	NA	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007
(Dollars in thousands)

Rank	Institution	2005	2006	2007									
				All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other	
	U. CA, San Francisco	NA	0	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0	0	0
	U. GU	NA	0	0	0	0	0	0	0	0	0	0	0
	U. Houston-Clear Lake	180	71	0	0	0	0	0	0	0	0	0	0
	U. MD Biotechnology Institute	0	0	0	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	0	0	0	0	0	0	0	0	0	0	0	0
	U. MA Worcester	0	0	0	0	0	0	0	0	0	0	0	0
	U. of Medicine and Dentistry NJ	0	0	0	0	0	0	0	0	0	0	0	0
	U. New England	ne	0	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	ne	0	0	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	0	0	0	0	0	0	0	0	0	0	0	0
	U. PR Humacao	0	0	0	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	0	NA	0	0	0	0	0	0	0	0	0	0
	U. PR Rio Piedras Campus	139	0	0	0	0	0	0	0	0	0	0	0
	U. San Francisco	4	0	0	0	0	0	0	0	0	0	0	0
	U. Scranton	0	0	0	0	0	0	0	0	0	0	0	0
	U. SD	169	194	0	0	0	0	0	0	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX Dallas	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. Houston	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX M. D. Anderson Cancer Ctr.	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX Medical Branch	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX of the Permian Basin	ne	ne	0	0	0	0	0	0	0	0	0	0
	U. TX Southwestern Medical Ctr. Dallas	0	0	0	0	0	0	0	0	0	0	0	0
	U. TX Tyler	0	2	0	0	0	0	0	0	0	0	0	0
	U. WI Eau Claire	0	0	0	0	0	0	0	0	0	0	0	0
	U. WI La Crosse	1	1	0	0	0	0	0	0	0	0	0	0
	U. WI Parkside	0	0	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0	0	0	0	0	0	0
	U. WI Superior	0	0	0	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0	0	0
	U. of the VI	0	NA	0	0	0	0	0	0	0	0	0	0
	Ursinus C.	ne	0	0	0	0	0	0	0	0	0	0	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by all FY 2007 non-S&E fields: FY 2005–07 and by subfield for FY 2007 (Dollars in thousands)

Rank	Institution	2007										
		2005	2006	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	Valparaiso U.	0	0	0	0	0	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	ne	0	0	0	0	0	0	0	0	0	0
	West TX A&M U.	358	205	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0
	WV State U.	0	0	0	0	0	0	0	0	0	0	0
	Western KY U.	68	178	0	0	0	0	0	0	0	0	0
	Wilberforce U.	ne	ne	0	0	0	0	0	0	0	0	0
	Wilkes U.	ne	0	0	0	0	0	0	0	0	0	0
	Winona State U.	ne	ne	0	0	0	0	0	0	0	0	0
	Woods Hole Oceanographic Institution	0	0	0	0	0	0	0	0	0	0	0
	Wright State U. all campuses	0	0	0	0	0	0	0	0	0	0	0
	Yeshiva U.	NA	0	0	0	0	0	0	0	0	0	0
	Youngstown State U.	0	0	0	0	0	0	0	0	0	0	0
	All other surveyed institutions	3,199	2,312	0	0	0	0	0	0	0	0	0

NA = not available; institution was unable to provide these data or was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

S&E = science and engineering.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in federally financed non-S&E R&D expenditures in FY 2007.

NOTES: Institutions not listed in this table did not provide non-S&E R&D expenditures by non-S&E field. Institutions that reported amounts of zero or more are included. Detail may not add to total because some respondents reporting non-S&E R&D expenditures did not break out total and federal funds by non-S&E field. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 70. Federally financed R&D expenditures at universities and colleges, by highest degree granted, institutional control, and agency: FY 2007
(Dollars in thousands)

Type of institution	Respondents (number)	R&D expenditures	Federal R&D expenditures ^a	DOD	DOE	HHS	NASA	NSF	USDA	Other ^b	
All universities and colleges	631	48,588,196	30,030,590	2,773,275	1,114,913	17,064,754	1,040,664	3,550,777	910,299	2,834,956	
Doctorate	348	47,870,572	29,549,900	2,718,989	1,092,586	16,917,674	1,006,515	3,453,168	858,429	2,761,590	
Nondoctorate	283	717,624	480,690	54,286	22,327	147,080	34,149	97,609	51,870	73,366	
Public	381	32,772,236	18,430,674	1,944,600	746,800	9,554,939	705,071	2,397,355	838,657	2,243,249	
Private	250	15,815,960	11,599,916	828,675	368,113	7,509,815	335,593	1,153,422	71,642	591,707	
				Percent distribution							
All universities and colleges	631	48,588,196	100.0	9.2	3.7	56.8	3.5	11.8	3.0	9.4	
Doctorate	348	47,870,572	100.0	9.2	3.7	57.3	3.4	11.7	2.9	9.3	
Nondoctorate	283	717,624	100.0	11.3	4.6	30.6	7.1	20.3	10.8	15.3	
Public	381	32,772,236	100.0	10.6	4.1	51.8	3.8	13.0	4.6	12.2	
Private	250	15,815,960	100.0	7.1	3.2	64.7	2.9	9.9	0.6	5.1	

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a R&D expenditures and federal R&D expenditures totals in this table are for only those respondents who reported federal agency detail and do not match totals for all survey respondents. Agency detail may not add to total federal expenditures because some institutions were unable to provide complete agency data.

^b Includes all other agencies reported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 71. Federally financed R&D expenditures at universities and colleges, by science and engineering field and agency: FY 2007
(Dollars in thousands)

Science and engineering field	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
All science and engineering	30,440,745	2,773,275	1,114,913	17,064,754	1,040,664	3,550,777	910,299	2,834,956
Computer sciences	1,013,649	271,592	35,565	54,223	23,715	402,391	39,199	97,884
Environmental sciences	1,834,740	167,483	93,892	59,039	250,157	594,755	67,239	513,752
Atmospheric sciences	386,786	27,122	18,941	1,649	101,822	98,613	4,700	87,399
Earth sciences	597,139	41,240	55,427	11,726	112,524	191,356	49,785	124,782
Oceanography	672,884	81,241	6,158	14,767	20,625	264,901	4,126	250,913
Environmental sciences, nec	177,931	17,880	13,366	30,897	15,186	39,885	8,628	50,658
Life sciences	18,347,934	441,905	140,452	15,179,338	90,057	576,101	713,872	1,020,927
Agricultural sciences	896,573	11,939	24,490	65,714	10,898	83,168	477,010	171,406
Biological sciences	6,199,005	144,722	64,362	4,942,471	36,345	422,465	183,054	309,901
Medical sciences	10,574,346	257,477	43,351	9,651,242	39,513	48,444	36,106	466,898
Life sciences, nec	678,010	27,767	8,249	519,911	3,301	21,936	17,702	72,722
Mathematical sciences	408,082	42,330	14,229	85,329	3,968	193,489	2,212	33,349
Physical sciences	2,677,165	342,180	388,633	475,128	356,728	784,682	8,758	181,333
Astronomy	301,847	13,959	7,581	179	152,619	64,872	0	35,479
Chemistry	969,150	108,052	67,910	417,028	13,060	261,980	4,677	64,720
Physics	1,218,828	181,229	298,250	36,362	158,006	412,989	2,376	60,284
Physical sciences, nec	187,340	38,940	14,892	21,559	33,043	44,401	1,705	20,848
Psychology	599,882	31,827	6,308	437,146	10,781	45,969	1,504	60,264
Social sciences	755,300	48,018	15,067	298,126	10,497	108,487	33,584	231,364
Economics	124,802	3,257	3,058	22,797	407	20,113	20,723	50,212
Political sciences	129,141	8,807	2,159	45,285	455	17,561	3,133	51,568
Sociology	206,012	2,939	565	130,517	571	30,776	4,095	33,441
Social sciences, nec	295,345	33,015	9,285	99,527	9,064	40,037	5,633	96,143
Sciences, nec	342,065	61,566	13,618	77,380	11,660	71,023	4,780	73,471
Engineering	4,461,928	1,366,374	407,149	398,189	282,912	773,650	38,582	619,945
Aeronautical/astronautical engineering	293,693	100,613	7,196	4,003	72,366	14,429	14	38,481
Bioengineering/biomedical engineering	320,317	35,310	6,027	208,712	5,610	33,389	6,446	23,027
Chemical engineering	323,587	62,732	60,900	52,662	9,668	82,240	6,054	34,689
Civil engineering	360,742	44,705	26,546	8,485	9,634	87,414	5,234	162,851
Electrical engineering	1,103,339	489,924	36,098	39,378	50,074	232,038	368	72,885
Mechanical engineering	699,866	210,411	134,920	27,850	32,956	98,206	2,844	77,745
Metallurgical/materials engineering	381,909	170,035	54,814	11,740	8,004	89,142	656	43,999
Engineering, nec	978,475	252,559	80,648	45,359	94,514	136,792	16,966	166,218

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; nec = not elsewhere classified; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a Includes all other agencies reported.

NOTE: Detail may not add to total because some institutions were unable to provide complete agency data by field. Data are not adjusted for nonresponse.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
	All institutions	30,030,590	2,773,275	1,114,913	17,064,754	1,040,664	3,550,777	910,299	2,834,956
1	Johns Hopkins U., The ^b	1,362,836	22,442	4,184	548,622	14,630	25,573	1,240	5,196
2	U. WA	620,375	9,802	17,801	419,248	9,887	75,028	2,185	86,424
3	U. MI all campuses	577,201	51,207	16,796	400,539	16,049	57,948	1,523	33,139
4	Stanford U.	534,787	58,528	28,102	331,107	47,678	59,902	0	9,470
5	U. CA, Los Angeles	488,846	24,271	19,142	369,171	11,580	51,918	528	12,236
6	MA Institute of Technology	476,318	90,502	64,349	203,727	28,518	73,703	0	15,519
7	U. CA, San Diego	475,708	36,958	12,874	295,802	7,430	99,258	457	22,929
8	U. WI Madison	469,076	19,750	30,963	259,064	10,518	104,814	14,660	29,307
9	U. CA, San Francisco	467,402	6,956	464	451,929	869	1,093	10	6,081
10	Columbia U. in the City of NY	459,748	11,216	579	300,407	14,436	57,284	120	75,706
11	Duke U.	459,122	21,131	9,156	394,165	1,208	27,283	984	5,195
12	U. PA	449,687	20,765	8,195	388,015	1,966	23,907	897	5,942
13	U. CO all campuses	442,303	16,841	7,245	223,660	44,646	41,281	371	108,259
14	U. Pittsburgh all campuses	441,357	19,823	2,712	348,318	1,002	16,065	237	53,200
15	Washington U. St. Louis	424,451	4,704	2,771	378,350	6,259	29,862	825	1,680
16	Harvard U.	392,103	18,987	11,986	305,339	9,771	31,813	94	14,113
17	PA State U. all campuses	370,789	153,648	15,552	84,259	9,107	44,112	9,904	54,207
18	Cornell U. all campuses	367,094	16,555	6,391	192,943	4,466	108,324	24,145	14,270
19	U. Southern CA	355,084	59,474	7,968	199,482	4,130	36,516	241	47,273
20	Yale U.	349,027	4,808	9,918	309,308	1,065	21,783	1,036	1,109
21	U. NC Chapel Hill	346,672	2,339	4,444	265,944	588	17,657	48	55,652
22	U. MN all campuses	337,966	12,422	7,214	229,070	4,015	48,647	17,778	18,820
23	OH State U. all campuses	313,242	28,315	11,688	158,225	7,898	41,025	24,541	41,550
24	Vanderbilt U.	312,178	22,390	5,407	261,073	2,142	11,840	278	9,048
25	Case Western Reserve U.	304,742	7,178	5,554	271,136	4,640	8,770	0	7,464
26	U. TX Austin	289,331	98,973	16,049	45,918	8,797	40,079	547	78,968
27	U. Rochester	280,132	11,755	74,673	177,647	2,704	10,267	120	2,966
28	Emory U.	271,445	4,305	1,513	246,416	93	5,034	210	13,874
29	U. AZ	269,941	12,068	3,865	100,097	65,017	38,060	7,184	43,650
30	U. AL Birmingham, The	269,006	7,550	1,030	241,852	5,796	5,388	83	7,307
31	Scripps Research Institute, The	267,073	4,303	1,279	230,321	169	2,264	0	28,737
32	Baylor C. of Medicine	263,146	4,865	210	217,121	22,661	2,621	15,365	303
33	U. Chicago	261,870	6,468	8,940	190,450	4,452	47,384	0	4,176
34	GA Institute of Technology all campuses	260,230	141,145	12,518	25,244	16,267	45,889	123	19,044
35	U. CA, Davis	256,994	8,370	8,988	155,297	2,826	38,721	22,633	20,159
36	U. Cincinnati all campuses	253,833	7,326	2,766	196,937	538	5,821	169	40,276
37	CA Institute of Technology	253,657	28,532	16,087	48,952	62,874	67,324	162	29,726

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:

FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
38	U. IL Urbana-Champaign	253,612	35,968	25,528	61,989	3,853	90,442	19,030	16,802
39	U. CA, Berkeley	251,043	22,834	6,918	98,284	28,099	71,402	5,027	18,479
40	Northwestern U.	249,411	16,148	7,773	159,917	1,643	26,988	138	36,804
41	U. FL	240,819	19,078	9,638	124,192	8,006	33,605	19,687	26,613
42	Boston U.	232,115	14,267	4,899	168,996	9,421	28,281	0	6,251
43	TX A&M U.	228,363	24,514	14,903	34,429	7,536	85,511	27,612	33,858
44	OR Health & Science U.	227,441	4,691	1,364	198,440	486	4,689	335	17,436
45	U. IA	222,944	9,946	2,916	182,094	8,199	9,434	0	10,355
46	Mt. Sinai School of Medicine	221,397	6,189	0	190,406	638	167	0	23,997
47	U. MD College Park	218,973	54,418	9,001	26,751	37,970	39,187	13,712	37,934
48	CO State U.	210,746	15,976	7,605	67,461	11,798	26,248	55,559	26,099
49	U. IL Chicago	208,881	9,262	5,090	166,745	347	16,064	297	11,076
50	U. HI Manoa	208,196	35,306	2,606	43,085	10,767	29,981	42,346	44,105
51	U. VA all campuses	198,274	11,569	3,840	137,228	3,492	18,257	0	23,888
52	NY U.	194,303	6,889	3,468	159,992	426	20,296	105	3,127
53	U. TX Southwestern Medical Ctr. Dallas	191,687	6,305	1,046	180,060	3,329	629	127	191
54	U. TX M. D. Anderson Cancer Ctr.	190,508	11,434	244	160,218	321	181	0	18,110
55	U. UT	174,719	6,692	14,479	128,835	1,066	20,926	69	2,652
56	MI State U.	170,350	8,226	12,439	43,443	3,230	51,671	27,382	23,959
57	U. CA, Irvine	169,912	8,048	7,461	121,114	3,722	26,829	250	2,488
58	Carnegie Mellon U.	168,486	64,234	7,639	25,076	5,989	58,839	0	6,709
59	IN U. all campuses	165,934	6,359	4,715	128,075	2,586	21,484	44	2,671
60	U. MD Baltimore	164,211	5,074	0	153,899	0	0	0	5,238
61	U. South FL	158,442	22,456	1,951	60,329	1,781	7,938	10	63,977
62	U. KY all campuses	154,688	5,835	6,576	96,908	1,730	17,556	12,138	13,945
63	SUNY Buffalo all campuses	148,989	22,768	1,526	95,599	2,520	13,059	103	13,414
64	Yeshiva U.	147,941	2,537	298	145,004	0	3	99	0
65	U. Miami	147,535	14,599	490	99,724	3,456	15,552	514	13,200
66	LA State U. all campuses	145,650	12,773	4,698	83,791	2,362	17,415	8,475	16,136
67	Wake Forest U.	141,467	3,817	523	133,947	90	1,369	33	1,688
68	U. NE all campuses	138,338	11,277	4,333	75,465	1,571	20,153	11,585	13,954
69	Rutgers, The State U. NJ all campuses	135,933	12,117	3,955	66,549	1,883	35,858	9,662	5,909
70	U. TX Health Science Ctr. Houston	131,879	11,451	5	114,855	1,072	448	56	3,992
71	U. MA Worcester	131,226	1,012	192	119,103	0	361	0	10,558
72	NC State U.	131,056	11,814	7,014	15,647	2,043	27,975	29,752	36,811
73	VA Polytechnic Institute and State U.	128,796	18,776	5,056	15,423	1,214	26,512	16,591	45,224
74	Dartmouth C.	128,164	3,351	920	91,883	2,210	8,527	430	20,843
75	U. TN all campuses	126,998	7,965	25,768	56,987	3,147	15,685	4,940	12,506

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
76	U. of Medicine and Dentistry NJ	126,101	4,918	13	116,589	242	922	0	3,417
77	U. CT all campuses	123,513	7,033	6,680	79,497	2,225	11,246	5,673	11,159
78	U. NM main campus	123,039	16,751	10,268	69,796	2,866	18,429	599	4,330
79	Princeton U.	119,171	21,376	10,346	37,716	7,544	37,712	0	4,477
80	U. TX Medical Branch	118,173	3,551	251	110,160	1,528	603	203	1,877
81	U. KS all campuses	115,670	2,679	4,245	77,538	2,374	20,322	493	8,019
82	AZ State U.	114,632	20,389	4,197	34,643	12,314	33,418	1,073	8,598
83	Wayne State U.	114,364	6,874	3,049	94,118	362	5,749	39	4,173
84	FL State U.	113,681	17,059	7,844	15,353	2,174	45,871	3,692	21,688
85	Woods Hole Oceanographic Institution	112,754	22,484	631	1,759	2,064	70,181	0	15,635
86	U. CA, Santa Barbara	111,848	33,535	7,386	19,612	4,800	41,338	777	4,400
87	SUNY Stony Brook all campuses	111,241	7,719	7,091	64,632	3,966	22,624	549	4,660
88	OR State U.	110,267	9,604	7,173	16,723	4,763	28,631	20,787	22,586
89	U. MO-Columbia	108,328	5,957	3,025	51,765	2,282	14,545	24,322	6,432
90	Medical C. WI	107,200	478	325	103,337	190	237	0	2,633
91	MS State U.	106,662	27,402	18,986	4,763	7,080	5,297	25,256	17,878
92	SUNY Albany	105,776	1,467	925	88,733	854	4,347	3,195	6,255
93	U. GA	103,256	960	10,995	43,677	729	18,329	19,461	9,105
94	Georgetown U.	101,853	15,860	56	75,798	163	3,008	47	6,921
95	Medical U. SC	101,402	3,767	1,938	87,402	0	396	363	7,536
96	NM State U. main campus	100,773	35,999	6,869	10,071	19,864	8,026	8,902	11,042
97	Tulane U.	98,473	5,264	3,412	75,787	1,436	3,967	599	8,008
98	IA State U.	97,112	9,315	4,873	21,526	1,927	23,048	22,792	13,631
99	U. TX Health Science Ctr. San Antonio	95,610	1,754	0	91,154	0	217	0	2,485
100	Brown U.	95,023	9,748	3,055	57,910	3,792	19,342	0	1,176
101	Tufts U.	91,379	2,157	1,586	64,851	1,323	4,394	15,254	1,814
102	VA Commonwealth U.	90,137	3,526	321	67,891	903	4,007	32	13,457
103	U. VT	90,049	1,308	933	71,477	910	3,764	8,404	3,253
104	UT State U.	89,948	29,122	1,071	9,849	25,112	5,764	12,306	6,724
105	U. SC all campuses	89,000	16,535	7,432	33,336	2,240	19,239	3,127	7,091
106	George Washington U.	87,624	833	438	73,159	1,287	3,724	35	8,148
107	Rockefeller U.	86,728	96	647	85,069	0	916	0	0
108	U. OK all campuses	86,422	4,855	2,751	52,810	1,940	10,099	402	13,565
109	U. DE	82,539	17,347	4,020	21,336	1,663	18,879	2,963	16,331
110	Thomas Jefferson U.	81,545	1,938	279	76,749	785	132	1,272	390
111	U. NH	81,027	2,079	1,108	3,689	14,941	10,249	3,931	45,030
112	WA State U.	78,505	7,873	7,531	20,288	647	8,316	16,104	17,746

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
113	U. MS all campuses	77,526	12,160	2,126	44,583	2,527	2,502	6,409	7,219
114	U. Louisville	76,479	6,056	3,512	54,133	2,293	4,316	183	5,986
115	MT State U. Bozeman	75,765	7,472	7,614	22,972	6,836	9,728	8,235	12,908
116	U. MA Amherst	71,974	6,723	7,707	17,424	2,691	27,262	5,469	4,698
117	NM Institute of Mining and Technology	69,050	10,049	685	0	313	1,793	0	56,210
118	U. CA, Santa Cruz	68,204	4,159	3,539	16,232	21,627	16,122	1,035	5,490
119	Drexel U.	66,795	15,985	1,271	4,243	1,612	8,858	94	34,732
120	WV U.	65,699	2,962	11,626	25,549	1,320	5,551	7,454	11,237
121	U. NV, Reno	62,713	3,182	20,909	21,987	1,101	7,774	2,369	5,391
122	Naval Postgraduate School	62,434	52,349	525	0	465	3,212	0	5,883
123	U. AR for Medical Sciences	60,836	801	0	59,598	0	181	256	0
124	U. Dayton	60,089	56,098	862	492	565	386	28	1,658
125	U. CA, Riverside	56,129	13,413	3,164	14,027	2,177	16,791	4,477	2,080
126	Auburn U. all campuses	54,949	8,557	2,913	4,850	4,060	6,826	12,090	15,653
127	Temple U.	54,452	3,293	833	45,576	9	3,458	73	1,210
128	Rice U.	54,301	7,353	3,576	8,775	3,024	19,647	182	11,744
129	U. of Notre Dame	53,974	6,485	8,122	19,612	814	17,117	135	1,689
130	Clemson U.	53,905	6,476	2,218	3,772	700	10,134	8,296	22,309
131	U. RI	52,561	5,526	89	11,481	1,816	14,403	5,662	13,584
132	FL International U.	52,141	7,841	3,677	15,981	135	9,825	660	14,022
133	U. OR	49,467	8,043	3,730	22,308	84	11,438	284	3,580
134	U. MD Baltimore County	49,461	2,944	118	2,606	23,214	61	44	20,474
135	U. Central FL	49,359	19,337	5,382	5,595	4,843	6,175	277	7,750
136	Rensselaer Polytechnic Institute	48,924	9,770	5,734	10,282	1,012	19,486	0	2,640
137	Charles R. Drew U. of Medicine and Science	48,580	547	0	47,273	0	0	0	760
138	U. AL Huntsville, The	48,415	20,251	563	685	19,669	1,988	120	5,139
139	St. Louis U. all campuses	47,704	644	368	44,277	8	1,084	122	1,201
140	George Mason U.	46,588	12,167	1,450	2,578	7,467	4,407	355	18,164
141	U. ID	46,144	4,802	1,901	10,041	4,207	6,368	11,425	7,400
142	U. NV, Las Vegas	46,128	3,531	33,066	1,716	607	2,865	1,554	2,789
143	ND State U. all campuses	45,475	17,808	214	4,303	158	4,111	8,399	10,482
144	U. ND all campuses	44,610	4,490	13,821	10,247	7,354	2,341	3,541	2,816
145	U. Southern MS	42,645	7,011	1,203	4,585	9,035	4,963	3,145	12,703
146	U. ME	41,963	6,970	581	4,141	811	11,301	10,254	7,905
147	Brandeis U.	41,358	251	1,103	30,059	1,301	5,792	0	2,852
148	NJ Institute of Technology	41,330	11,230	343	146	1,244	7,991	70	20,306
149	Medical C. GA	40,609	57	193	40,275	0	70	0	14

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
150	U. Houston	40,116	1,497	2,489	17,138	966	7,023	0	11,003
151	Rush U.	39,601	167	0	39,403	0	31	0	0
152	Uniformed Services U. of the Health Sciences	37,275	23,858	0	13,384	0	0	0	33
153	U. AR main campus	37,016	5,408	1,027	4,114	1,256	6,115	14,698	4,398
154	OK State U. all campuses	36,958	10,248	1,530	6,781	437	5,614	8,810	3,538
155	Northeastern U.	36,028	4,982	393	12,336	268	17,003	0	1,046
156	TX A&M U. System Health Science Ctr.	35,004	750	0	33,955	54	0	40	205
157	U. MT-Missoula, The	33,855	1,912	439	9,991	1,269	7,566	5,143	7,535
158	San Diego State U.	33,139	6,103	176	18,643	1,275	5,620	0	1,322
159	U. PR Medical Sciences Campus	31,955	5	0	31,797	0	113	0	40
160	U. Toledo	31,863	1,750	1,640	16,066	4,736	1,900	4,123	1,648
161	Meharry Medical C.	31,263	1,083	0	30,172	0	8	0	0
162	Jackson State U.	30,980	6,374	644	11,131	38	5,203	397	7,193
163	Desert Research Institute	30,752	8,775	8,440	0	929	3,602	151	8,855
164	U. MD Biotechnology Institute	30,375	1,100	676	20,748	0	2,289	668	4,894
165	MI Technological U.	28,193	10,494	5,875	1,108	508	5,246	1,855	3,107
166	SUNY Upstate Medical U.	27,933	207	0	0	260	54	45	27,367
167	U. AL, The	27,744	1,183	3,472	4,776	2,705	8,587	134	6,887
168	NY Medical C.	26,101	75	0	25,862	0	164	0	0
169	C. of William and Mary all campuses	25,983	4,739	807	1,262	582	6,359	180	12,054
170	Old Dominion U.	25,694	9,529	2,006	1,731	5,184	4,378	65	2,801
171	U. WY	25,537	2,047	1,522	6,122	720	8,479	5,282	1,365
172	Syracuse U. all campuses	24,894	2,205	1,622	7,018	1,262	7,769	156	4,862
173	Loyola U. Chicago	24,794	562	11	23,422	0	475	0	324
174	Loma Linda U.	24,666	4,885	356	13,011	5,641	0	0	773
175	GA State U.	24,569	490	412	10,210	738	6,758	195	5,766
176	Hampton U.	23,836	161	1,183	1,396	15,740	1,473	0	3,883
177	SUNY Health Science Ctr. Brooklyn	23,232	0	328	20,676	0	14	0	2,214
178	Morehouse School of Medicine	23,230	497	0	22,662	4	67	0	0
179	TX Tech U.	22,874	4,546	2,477	2,104	1,359	5,756	4,909	1,723
180	Stevens Institute of Technology	22,809	18,196	996	327	418	2,551	0	321
181	San Jose State U.	22,609	1,815	133	1,190	10,004	3,437	40	5,990
182	Wright State U. all campuses	22,229	6,957	391	11,858	506	993	0	1,524
183	Lehigh U.	22,116	4,892	2,331	2,792	1,551	8,908	92	1,550
184	CUNY The City C.	21,776	1,768	394	9,429	1,354	4,232	71	4,528
185	U. TX El Paso	21,018	1,827	936	9,320	435	6,586	0	1,914
186	Eastern VA Medical School	20,620	277	7	5,473	62	0	0	14,801

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
187	U. TX San Antonio	20,545	3,189	104	13,014	45	1,287	463	2,443
188	Boston C.	20,336	6,339	624	5,497	146	4,464	22	3,244
189	U. MA Lowell	20,045	8,539	687	5,030	494	3,181	0	2,114
190	U. TX Arlington	19,774	5,213	2,460	2,506	406	3,414	0	5,775
191	IL Institute of Technology	19,731	352	1,917	11,380	259	3,129	204	2,490
192	U. Southern ME	19,656	79	778	11,407	112	1,846	64	5,370
193	U. North TX Health Science Ctr. Ft. Worth	19,203	225	0	15,897	0	417	0	2,664
194	OH U. all campuses	18,605	1,133	2,371	0	247	4,424	0	10,430
195	Marshall U.	18,412	2,921	0	6,476	2,180	1,006	496	5,333
196	U. WI Milwaukee	18,368	707	707	6,489	114	5,746	507	4,098
197	U. MO-Rolla	18,256	7,069	3,055	433	1,312	4,309	50	2,028
198	CO School of Mines	18,248	4,308	5,391	971	1,977	3,711	95	1,795
199	Wichita State U.	18,086	1,474	59	5,866	2,724	1,568	0	6,395
200	FL Atlantic U.	18,037	5,701	0	4,735	77	2,677	0	4,847
201	U. TX Dallas	17,783	5,895	483	5,874	507	4,410	7	607
202	U. Memphis, The	17,765	2,580	29	6,995	83	3,097	28	4,953
203	Southern IL U. Carbondale	17,724	1,719	715	9,615	48	2,548	1,359	1,720
204	Brigham Young U. all campuses	17,118	3,449	1,262	3,738	912	5,361	704	1,692
205	Portland State U.	17,054	944	721	4,243	1,106	4,442	180	5,418
206	SD State U.	16,729	396	357	1,492	1,514	2,898	6,512	3,560
207	U. SD	16,683	276	2	14,087	0	1,704	476	138
208	U. MO-Kansas City	16,542	500	341	13,590	33	1,290	0	788
209	U. South AL	16,400	0	0	10,432	0	1,433	0	4,535
210	U. PR Rio Piedras Campus	16,114	392	134	5,158	701	9,727	0	2
211	CUNY Hunter C.	15,768	576	471	12,176	237	1,842	0	466
212	NC Agricultural and Technical State U.	15,362	4,589	571	1,061	1,247	2,620	3,375	1,899
213	Catholic U. America, The	15,324	617	6,908	1,727	4,285	1,067	0	720
214	FL A&M U.	14,502	2,355	320	753	6	1,244	5,999	3,825
215	U.S. Air Force Academy	14,301	13,707	0	0	129	363	0	102
216	SUNY Binghamton	13,991	2,204	467	3,865	643	2,611	1,161	3,040
217	U. MD Ctr. for Environmental Science	13,365	499	0	0	1,065	2,491	470	8,840
218	Rochester Institute of Technology	13,225	5,726	616	2,313	2,325	1,196	109	940
219	Northern IL U.	13,034	3,510	576	1,880	129	1,794	154	4,991
220	U. of the VI	12,561	0	5,057	1,757	0	1,842	2,290	1,615
221	Northern AZ U.	12,409	0	1,401	1,778	285	3,408	1,340	4,197
222	ID State U.	11,911	1,772	3,486	2,253	811	2,599	2	988
223	San Francisco State U.	11,896	152	122	7,386	259	2,771	43	1,163

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
224	U. NC Charlotte	11,887	3,347	399	3,709	0	3,959	208	265
225	CA State U. Long Beach	11,856	6,123	56	2,941	0	751	21	1,964
226	Creighton U.	11,716	332	705	9,886	53	499	0	241
227	U. MA Dartmouth	11,456	1,278	0	233	106	2,199	745	6,895
228	U. NC Wilmington	11,362	192	0	1,227	0	1,349	445	8,149
229	SD School of Mines and Technology	11,232	3,688	332	35	736	2,262	85	4,094
230	U. Akron all campuses	11,210	1,141	940	1,985	829	4,902	80	1,333
231	Mercer U. all campuses	11,075	9,829	0	1,213	0	33	0	0
232	Tuskegee U.	11,033	187	147	4,202	662	31	3,646	2,158
233	U. LA Lafayette	10,712	422	552	3,670	237	1,201	28	4,602
234	East Carolina U.	10,354	455	93	7,257	217	1,794	149	389
235	Southern Methodist U.	10,304	4,177	1,009	2,400	276	1,880	42	520
236	Western MI U.	10,254	762	1,922	1,896	432	2,729	91	2,422
237	Morgan State U.	9,992	1,438	824	2,632	3,593	1,004	0	501
238	Boise State U.	9,924	1,778	1,855	1,722	0	2,272	230	2,067
239	CA State U. Los Angeles	9,819	611	47	4,778	277	3,908	130	68
240	Kent State U. all campuses	9,801	1,258	659	3,779	104	2,635	21	1,345
241	Worcester Polytechnic Institute	9,545	3,572	598	916	438	2,480	0	1,541
242	Albany Medical C.	9,521	165	0	9,356	0	0	0	0
243	Prairie View A&M U.	9,217	1,171	1,638	367	641	569	3,533	1,298
244	U. MA Boston	9,152	283	1,468	2,667	0	2,803	0	1,931
245	TX Tech U. Health Science Ctr.	8,765	55	0	6,803	0	66	0	1,841
246	Southwest MO State U.	8,740	7,366	95	473	0	209	0	597
247	Universidad Central del Caribe	8,672	0	0	7,783	0	0	0	889
248	TN State U.	8,475	1,057	57	1,749	596	1,293	3,723	0
249	AL A&M U.	8,467	603	106	314	609	1,719	4,600	516
250	Western KY U.	8,225	455	413	828	1,579	366	1,229	3,355
251	Clark Atlanta U.	7,905	319	616	1,788	390	1,848	34	2,910
252	Alcorn State U.	7,874	0	0	322	0	28	7,373	151
253	U. Tulsa	7,851	721	876	1,078	110	1,794	3	3,269
254	SUNY C. of Environmental Science and Forestry	7,842	590	709	52	360	927	1,100	4,104
255	U. Denver	7,694	195	1	4,501	1,149	897	13	938
256	Rosalind Franklin U. of Medicine and Science	7,689	58	0	7,624	0	2	0	5
257	Teachers C. Columbia U.	7,655	369	2,002	3,400	18	456	0	1,410
258	U. HI Hilo	7,610	48	74	551	0	1,685	720	4,532
259	VA State U.	7,604	430	66	74	0	453	6,142	439
260	Clarkson U.	7,587	1,659	493	531	181	2,945	145	1,633

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
261	U.S. Naval Academy	7,575	6,536	0	0	470	273	0	296
262	CA State U. Northridge	7,339	543	272	3,422	0	2,945	0	157
263	CUNY Queens C.	7,238	28	4,110	1,585	0	1,296	0	219
264	U. North TX	7,192	2,369	314	553	25	3,162	0	769
265	U.S. Military Academy	7,043	4,679	0	0	0	24	0	2,340
266	U. GU	6,867	0	0	1,203	0	110	3,969	1,585
267	Marquette U.	6,842	225	88	3,042	481	1,662	153	1,191
268	Air Force Institute of Technology	6,681	6,662	16	0	0	0	0	3
269	TX A&M U. Corpus Christi	6,609	2,712	0	0	229	1,673	15	1,980
270	Ponce School of Medicine	6,594	0	0	0	0	0	0	6,594
271	DE State U.	6,487	754	0	1,405	0	1,976	2,052	300
272	Polytechnic U.	6,329	900	0	0	500	4,537	0	392
273	Bowling Green State U. all campuses	6,299	1,920	33	1,682	430	1,342	423	469
274	TN Technological U.	6,076	1,035	1,628	0	115	1,328	17	1,953
275	Fisk U.	6,000	1,000	2,000	0	2,000	1,000	0	0
276	Norfolk State U.	5,998	292	134	874	892	2,208	32	1,566
277	Wheeling Jesuit U.	5,974	0	0	102	5,872	0	0	0
278	New School, The	5,922	5,690	0	0	0	223	0	9
279	FL Institute of Technology	5,570	911	0	2,108	0	1,658	0	893
280	CA State Polytechnic U. San Luis Obispo	5,391	0	0	0	151	958	394	3,888
281	Oakland U.	5,386	2,020	42	1,966	18	1,308	0	32
282	U. NC Greensboro	5,256	627	0	3,175	0	995	194	265
283	Cleveland State U.	5,097	0	635	1,527	1,575	347	10	1,003
284	Wesleyan U.	5,094	0	0	3,351	175	1,416	0	152
285	TX A&M U. Kingsville	5,067	70	161	1,874	52	2,183	535	192
286	U. PR Humacao	4,930	95	0	2,730	0	1,450	0	655
287	East TN State U.	4,864	61	0	4,331	45	77	40	310
288	Tarleton State U.	4,852	0	0	0	0	0	4,249	603
289	Morehouse C.	4,743	504	333	3,129	20	634	0	123
290	AR State U. main campus	4,694	3,531	0	392	33	314	66	358
291	CA State U. Dominguez Hills	4,580	0	0	1,112	0	3,302	0	166
292	Ball State U.	4,541	485	487	2,387	246	415	0	521
293	MT Tech of the U. MT	4,445	261	1,352	797	0	298	66	1,671
294	Southern U. and A&M C. all campuses	4,375	775	378	302	1,154	321	12	1,433
295	NC Central U.	4,337	302	115	3,739	117	6	0	58
296	Xavier U. LA	4,268	114	394	2,318	95	254	108	985
297	U. MO-St. Louis	4,240	233	0	1,020	132	1,800	95	960

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
298	CUNY Brooklyn C.	4,207	23	0	3,533	0	591	31	29
299	Lincoln U. (Jefferson City, MO)	4,169	1,422	60	0	65	0	2,458	164
300	LA Tech U.	4,151	331	560	375	64	1,405	226	1,190
301	C. Charleston	4,071	14	136	610	1,100	1,037	151	1,023
302	U. West FL	4,017	367	0	206	74	38	0	3,332
303	U. DC	4,002	0	0	2,917	0	439	584	62
304	CUNY Herbert H. Lehman C.	3,980	92	48	3,156	0	489	195	0
305	Duquesne U.	3,856	246	62	2,269	20	1,120	114	25
306	CA State U. Monterey Bay	3,832	69	0	0	2,767	68	58	870
307	James Madison U.	3,809	61	258	337	0	1,269	85	1,799
308	CA State U. Fullerton	3,792	0	70	1,344	74	2,051	0	253
309	St. Francis U. (Loretto, PA)	3,677	3,542	135	0	0	0	0	0
310	TX Southern U.	3,651	0	48	315	2,424	864	0	0
311	Langston U.	3,582	0	0	0	0	0	3,582	0
312	CA State U. San Bernardino	3,553	1,481	212	922	209	323	61	345
313	U. NC Asheville	3,473	0	317	0	1,659	349	489	659
314	Nova Southeastern U.	3,470	317	0	1,598	0	10	0	1,545
315	Gallaudet U.	3,460	0	0	119	0	1,757	0	1,584
316	U. TX-Pan American	3,457	976	0	766	11	772	42	890
317	KY State U.	3,451	0	0	36	0	231	3,184	0
318	Spelman C.	3,361	32	0	2,645	2	608	74	0
319	U. MD Eastern Shore	3,288	0	45	1,352	0	5	1,091	795
320	Stephen F. Austin State U.	3,285	2,385	10	159	0	18	625	88
321	Wellesley C.	3,210	0	0	1,806	479	840	0	85
322	Southern IL U. Edwardsville	3,133	64	582	0	0	654	672	1,161
323	U. CA, Merced	3,119	71	635	270	66	1,247	4	826
324	Rowan U.	3,102	35	1,172	490	115	970	0	320
325	U. AR Pine Bluff	3,091	0	0	1	0	11	2,725	354
326	IL State U.	3,074	121	175	1,300	23	1,192	250	13
327	TX Christian U.	3,022	25	0	2,554	207	236	0	0
328	Western WA U.	2,910	0	0	479	0	1,705	90	636
329	Smith C.	2,858	0	0	969	79	1,720	0	90
330	Baylor U.	2,829	170	463	182	0	387	242	1,385
331	Northeastern OH Universities C. of Medicine	2,777	58	0	2,553	81	60	0	25
332	Clark U.	2,734	129	209	1,000	172	905	97	222
333	Ft. Valley State U.	2,610	0	0	0	0	0	2,610	0
334	La Salle U.	2,598	0	0	0	0	2,598	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
335	West TX A&M U.	2,558	0	1,080	0	0	184	1,175	119
336	U. North FL	2,535	1,109	70	297	0	569	0	490
337	TX State U. San Marcos	2,528	0	0	0	0	0	0	2,528
338	Barnard C.	2,511	0	0	1,258	0	1,190	0	63
339	Humboldt State U.	2,510	256	22	0	0	413	325	1,494
340	CA State U. Fresno	2,477	0	0	299	166	230	560	1,222
341	CUNY York C.	2,468	0	0	2,468	0	0	0	0
342	CA State Polytechnic U. Pomona	2,466	63	0	1,935	61	272	127	8
343	CUNY Graduate Ctr.	2,431	0	0	1,322	0	1,015	0	94
344	Black Hills State U.	2,409	0	0	1,842	81	127	0	359
345	St. Joseph's U.	2,403	1,099	0	0	0	911	10	383
346	FL Gulf Coast U.	2,386	393	0	0	20	58	27	1,888
347	DePaul U.	2,284	0	41	1,220	109	670	65	179
348	Fordham U.	2,268	0	1	1,927	0	229	46	65
349	Central State U.	2,263	280	1,243	30	130	272	0	308
350	Savannah State U.	2,257	0	343	396	0	804	0	714
351	SUNY C. of Optometry	2,164	0	0	2,164	0	0	0	0
352	U. WI La Crosse	2,147	59	0	462	19	746	57	804
353	U. WI Superior	2,068	0	0	0	0	36	23	2,009
354	Appalachian State U.	2,059	552	0	160	3	501	154	689
355	U. Central AR	2,034	0	0	557	23	0	9	1,445
356	Alfred U. all campuses	2,002	0	369	0	41	303	0	1,289
357	Chicago State U.	1,993	0	0	1,993	0	0	0	0
358	Mt. Holyoke C.	1,989	0	81	50	176	1,378	0	304
359	Bowie State U.	1,960	198	0	0	1,116	590	0	56
360	Dillard U.	1,959	0	0	1,393	0	566	0	0
361	Lamar U.	1,925	1,362	0	0	0	288	102	173
362	Sam Houston State U.	1,923	1,109	0	94	0	45	2	673
363	Central WA U.	1,909	0	0	102	0	1,303	0	504
364	Oglala Lakota C.	1,835	0	0	112	133	1,590	0	0
365	Shaw U.	1,826	0	0	1,826	0	0	0	0
366	American U.	1,800	0	151	295	569	117	57	611
367	WV State U.	1,795	23	0	214	0	105	1,453	0
368	Elizabeth City State U.	1,792	79	57	266	1	580	48	761
369	Monmouth U.	1,762	1,338	0	0	0	18	0	406
370	Eastern MI U.	1,719	1,215	0	393	0	77	34	0
371	AL State U.	1,685	0	0	1,667	9	9	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
372	CA State U. East Bay	1,652	0	81	910	0	173	55	433
373	Sul Ross State U.	1,632	0	0	0	0	0	1,437	195
374	Middlebury C.	1,597	0	0	608	39	813	54	83
375	OR Institute of Technology	1,593	0	310	0	11	103	0	1,169
376	Kettering U.	1,583	1,157	110	0	42	149	0	125
377	Benedict C.	1,573	0	252	928	5	388	0	0
378	Seton Hall U.	1,551	0	0	1,057	0	0	0	494
379	Lawrence Technological U.	1,546	1,089	0	0	0	147	0	310
380	Fayetteville State U.	1,527	87	0	1,076	39	318	0	7
381	CUNY John Jay C. of Criminal Justice	1,509	492	0	762	0	179	0	76
382	PA C. of Optometry	1,500	0	0	1,500	0	0	0	0
383	Dowling C.	1,482	0	17	0	1,297	126	0	42
384	St. John's U. (Jamaica, NY)	1,478	0	0	1,477	0	0	0	1
385	SUNY C. Old Westbury	1,468	0	68	1,339	0	35	0	26
386	Western Carolina U.	1,435	17	213	36	0	130	370	669
387	Hope C.	1,432	0	0	228	14	1,130	0	60
388	Carleton C.	1,417	0	81	136	0	1,167	2	31
389	Bowdoin C.	1,402	0	6	675	26	647	14	34
390	Wilberforce U.	1,360	0	1,280	80	0	0	0	0
391	GA Southern U.	1,348	35	0	405	34	539	272	63
392	U. Richmond	1,328	0	233	76	0	1,019	0	0
393	SUNY C. Geneseo	1,310	368	449	35	10	157	40	251
394	Northwestern Health Sciences U.	1,289	0	0	1,289	0	0	0	0
395	Colgate U.	1,283	155	0	27	4	1,068	0	29
396	Pittsburg State U.	1,258	991	0	117	65	0	3	82
397	Central MI U.	1,257	2	35	455	4	584	16	161
398	Morehead State U.	1,257	185	0	347	30	184	0	511
399	CUNY C. Staten Island	1,256	143	0	586	0	527	0	0
400	Harvey Mudd C.	1,231	85	0	0	86	1,007	0	53
401	Ithaca C.	1,226	0	0	128	66	901	47	84
402	Pomona C.	1,226	0	0	484	44	647	0	51
403	Bryn Mawr C.	1,222	0	0	327	279	382	12	222
404	U. LA Monroe	1,194	55	0	236	0	38	0	865
405	U. Redlands	1,173	1,053	0	0	77	0	0	43
406	Milwaukee School of Engineering	1,133	120	0	400	4	495	114	0
407	Governors State U.	1,113	0	0	1,002	0	104	0	7
408	U. WI Stevens Point	1,112	15	77	0	0	9	359	652

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
409	Amherst C.	1,100	13	0	82	0	938	0	67
410	U. Northern IA	1,093	0	367	78	0	34	495	119
411	Loyola Marymount U.	1,082	0	100	453	0	333	0	196
412	U. Northern CO	1,079	0	0	216	10	678	15	160
413	U. Hartford	1,059	0	9	0	247	182	0	621
414	Southeastern LA U.	1,055	0	39	164	0	273	0	579
415	Middle TN State U.	1,011	0	49	140	11	626	32	153
416	Tougaloo C.	1,007	0	0	984	0	23	0	0
417	U.S. Coast Guard Academy	999	35	30	0	0	0	0	934
418	U. IL Springfield	997	0	0	0	0	164	0	833
419	IN State U. all campuses	991	16	9	581	94	195	49	47
420	Claremont Graduate U.	986	0	0	225	0	0	0	761
421	U. New England	978	160	0	328	155	111	0	224
422	SUNY C. Plattsburgh	973	0	66	441	108	189	18	151
423	Bucknell U.	958	0	0	65	4	744	0	145
424	Albany State U.	952	0	0	952	0	0	0	0
425	U. TX Tyler	937	143	566	28	14	39	140	7
426	Hamilton C. (Clinton, NY)	932	5	53	335	0	526	0	13
427	Franklin & Marshall C.	909	105	0	79	4	710	0	11
428	Northern KY U.	908	0	0	509	61	157	0	181
429	U. of the Pacific	908	0	0	420	0	488	0	0
430	SUNY C. Oswego	903	0	0	606	0	16	0	281
431	Bates C.	887	0	0	552	0	271	1	63
432	St. Cloud State U.	885	8	0	74	0	282	12	509
433	NY Institute of Technology all campuses	865	253	466	146	0	0	0	0
434	MS Valley State U.	844	0	0	0	9	818	0	17
435	Sinte Gleska U.	830	177	0	101	121	189	72	170
436	Lafayette C.	826	0	0	67	0	653	17	89
437	Towson U.	820	0	64	71	10	475	68	132
438	SUNY C. Brockport	819	0	0	65	25	313	146	270
439	Coastal Carolina U.	818	20	3	37	30	257	0	471
440	SUNY C. Buffalo	810	31	119	576	15	40	0	29
441	U. WI Eau Claire	804	0	0	57	28	627	81	11
442	Midwestern U. (Chicago, IL)	801	0	0	714	0	87	0	0
443	CT C.	800	72	0	318	48	321	0	41
444	Augustana C. (Sioux Falls, SD)	798	0	0	0	73	128	38	559
445	Roger Williams U. Bristol	790	0	0	434	0	221	81	54

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
446	NM Highlands U.	782	0	0	578	0	105	78	21
447	C. of the Holy Cross	779	0	0	353	42	341	0	43
448	Philadelphia U.	776	356	0	0	85	8	0	327
449	Furman U.	775	0	7	556	2	157	53	0
450	TX Woman's U.	755	53	0	608	0	0	94	0
451	Occidental C.	745	0	33	0	0	540	0	172
452	Swarthmore C.	741	0	132	65	57	231	0	256
453	New England C. of Optometry	729	0	90	0	0	0	0	639
454	St. Olaf C.	725	0	0	0	0	718	0	7
455	Colby C.	723	0	0	495	0	227	0	1
456	Trinity U.	715	178	0	75	2	460	0	0
457	U. West GA	708	0	0	0	30	598	0	80
458	West Chester U. PA	699	0	0	133	69	497	0	0
459	Western IL U.	698	0	30	0	0	42	303	323
460	MT State U. Billings	694	0	230	408	0	10	0	46
461	U. WI Oshkosh	690	0	0	28	4	498	25	135
462	U. WI Green Bay	687	0	0	0	562	27	6	92
463	Western U. of Health Sciences	680	0	0	646	0	0	34	0
464	Millersville U. PA	668	30	0	0	0	587	0	51
465	Reed C.	658	0	43	371	0	244	0	0
466	Davidson C.	656	0	0	211	0	445	0	0
467	Union C. (Schenectady, NY)	647	0	81	0	0	494	0	72
468	IL Wesleyan U.	644	0	0	158	0	486	0	0
469	Murray State U.	642	0	1	31	44	143	0	423
470	Oberlin C.	639	0	0	0	0	603	0	36
471	St. Mary's U. (San Antonio, TX)	623	584	0	34	0	0	0	5
472	Calvin C.	600	0	0	369	5	220	0	6
473	Vassar C.	600	54	0	65	6	475	0	0
474	Christopher Newport U.	596	4	46	0	391	133	2	20
475	Adelphi U.	594	0	0	208	0	350	0	36
476	Eastern IL U.	589	0	0	104	0	219	106	160
477	Millsaps C.	588	12	0	529	0	47	0	0
478	Lewis and Clark C.	586	155	0	72	0	357	2	0
479	CA State U. Bakersfield	584	0	0	72	0	169	15	328
480	Valparaiso U.	582	0	196	0	156	225	5	0
481	Trinity C. (Hartford, CT)	575	0	0	140	46	389	0	0
482	Augsburg C.	563	0	0	0	16	547	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
483	Philadelphia C. of Osteopathic Medicine	560	0	0	560	0	0	0	0
484	Fuller Theological Seminary CA	553	0	0	160	0	0	0	393
485	Evergreen State C.	548	0	0	65	0	467	0	16
486	Rose-Hulman Institute of Technology	532	405	0	46	0	47	0	34
487	Hofstra U.	515	16	0	52	107	335	0	5
488	Mt. St. Mary's C. (Los Angeles, CA)	515	0	0	454	0	61	0	0
489	U. San Francisco	513	0	0	240	0	271	0	2
490	Hobart and William Smith Colleges	506	0	128	19	0	359	0	0
491	CUNY Medgar Evers C.	495	0	0	96	399	0	0	0
492	Central CT State U.	485	0	0	186	0	61	0	238
493	Macalester C.	483	0	0	68	0	317	0	98
494	Providence C.	483	0	0	0	0	105	0	378
495	Daemen C.	481	481	0	0	0	0	0	0
496	U. of the Sciences Philadelphia	478	78	0	316	0	42	0	42
497	Hampshire C.	476	0	0	0	0	391	0	85
498	Eastern KY U.	471	0	0	193	0	119	21	138
499	Youngstown State U.	464	0	10	33	14	238	0	169
500	Grand Valley State U.	463	0	0	0	0	94	0	369
501	Lincoln U. (Lincoln University, PA)	450	0	11	249	11	17	0	162
502	Southern OR U.	447	0	0	0	9	149	289	0
503	Pace U. all campuses	443	88	1	294	0	56	0	4
504	Grambling State U.	428	9	0	16	8	279	116	0
505	Rhodes C.	421	176	0	68	0	61	0	116
506	Eastern OR U.	418	0	0	0	0	68	0	350
507	Universidad del Turabo	417	0	256	0	0	0	0	161
508	Universidad del Este	407	0	0	0	0	0	1	406
509	Northeastern State U.	404	219	0	0	0	1	0	184
510	Mercy C.	401	189	0	25	0	177	0	10
511	Bluefield State C.	396	0	0	396	0	0	0	0
512	Saginaw Valley State U.	396	0	0	0	1	384	0	11
513	Sarah Lawrence C.	385	0	0	0	0	385	0	0
514	Eastern WA U.	384	0	0	0	0	0	0	384
515	Muhlenberg C.	384	0	0	0	0	384	0	0
516	U. Puget Sound	381	0	6	143	15	217	0	0
517	U. Portland	373	0	0	21	0	347	0	5
518	Jacksonville State U.	371	0	0	0	0	276	95	0
519	Hendrix C.	369	0	0	201	75	93	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
520	Skidmore C.	369	0	0	0	0	113	0	256
521	Bradley U.	357	0	93	0	0	218	0	46
522	National U. of Health Sciences	351	0	0	351	0	0	0	0
523	Point Loma Nazarene C.	348	0	0	14	0	334	0	0
524	Mercyhurst C.	347	110	0	0	0	0	0	237
525	Kennesaw State U.	341	0	0	152	0	112	0	77
526	Southeastern OK State U.	332	0	0	319	0	5	8	0
527	U. New Haven	332	30	0	0	0	0	0	302
528	Andrews U.	321	0	0	0	0	182	0	139
529	Rider U.	321	0	0	80	0	241	0	0
530	U. NC Pembroke	319	0	0	242	0	63	0	14
531	Gettysburg C.	315	0	0	0	4	300	0	11
532	Dickinson C.	312	0	4	0	0	217	0	91
533	West Liberty State C.	310	0	0	310	0	0	0	0
534	U. Central OK	308	0	0	0	1	69	0	238
535	TX A&M U. Commerce	305	37	144	0	52	64	0	8
536	U. of St. Thomas (St. Paul, MN)	302	0	0	167	33	45	14	43
537	U. San Diego	297	43	55	51	141	7	0	0
538	Drake U.	294	0	0	0	240	21	10	23
539	John Carroll U.	293	0	0	0	0	250	0	43
540	U. Baltimore	286	0	0	0	0	0	0	286
541	Polytechnic U. PR	285	285	0	0	0	0	0	0
542	Maharishi U. of Management	280	0	0	280	0	0	0	0
543	Sonoma State U.	280	0	0	0	0	87	50	140
544	Allegheny C.	278	0	0	62	0	170	36	10
545	Whitman C.	277	0	0	0	7	206	0	64
546	Southern Polytechnic State U.	272	0	0	0	68	193	0	11
547	U. Scranton	272	262	0	10	0	0	0	0
548	Ursinus C.	272	0	0	89	0	171	0	12
549	OH Wesleyan U.	263	0	0	182	0	81	0	0
550	U. CA Office of the President	256	0	0	0	0	154	0	102
551	Lawrence U.	254	0	0	97	4	92	0	61
552	Pacific Lutheran U.	251	0	0	67	0	184	0	0
553	Albany C. of Pharmacy	250	1	0	249	0	0	0	0
554	Universidad Metropolitana	248	0	0	0	0	35	9	204
555	Indiana U. PA all campuses	246	13	0	12	0	16	62	143
556	Washington and Lee U.	246	0	0	0	0	241	0	5

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
557	Northeastern IL U.	245	0	0	53	0	160	0	32
558	Wabash C.	241	0	0	53	0	178	10	0
559	Simmons C.	240	0	0	220	0	11	9	0
560	Truman State U.	238	0	0	0	0	230	8	0
561	SUNY C. Cortland	237	0	0	0	0	128	33	76
562	Southwestern OK State U.	230	0	0	0	0	0	0	230
563	Coe C.	228	0	96	0	0	132	0	0
564	Mayville State U.	224	0	0	224	0	0	0	0
565	Western CT State U.	221	0	0	0	0	127	0	94
566	C. Wooster	219	0	0	0	0	208	9	2
567	Goucher C.	216	0	0	0	0	185	0	31
568	Heritage U. (Toppenish, WA)	210	0	0	210	0	0	0	0
569	Loyola U. New Orleans	206	48	0	0	0	95	0	63
570	MN State U. Mankato	203	0	46	0	29	82	0	46
571	Carlos Albizu U. (San Juan, PR)	202	0	0	202	0	0	0	0
572	Chapman U.	198	0	0	0	0	105	29	64
573	Miles C.	197	68	0	0	0	72	0	57
574	MA C. of Pharmacy and Health Sciences	196	0	0	0	1	0	0	195
575	Abilene Christian U.	194	0	194	0	0	0	0	0
576	LeTourneau U.	189	0	0	23	0	117	0	49
577	Fairfield U.	182	0	0	173	2	0	0	7
578	Juniata C.	181	0	8	72	0	92	0	9
579	Troy U. main campus	181	0	145	0	0	36	0	0
580	U. WI Whitewater	180	0	0	0	21	159	0	0
581	U. WI Stout	175	0	0	0	0	165	0	10
582	Nicholls State U.	167	0	121	0	0	0	13	33
583	Cheyney U. PA	166	0	0	0	0	0	166	0
584	CA State U. Sacramento	163	0	0	0	0	163	0	0
585	U. Houston-Clear Lake	159	0	0	76	0	45	26	12
586	Winona State U.	158	0	0	8	0	0	0	150
587	Denison U.	156	0	0	0	8	146	0	2
588	Southern U. New Orleans	154	0	0	0	0	154	0	0
589	Jacksonville U.	153	0	0	0	0	153	0	0
590	Sweet Briar C.	151	0	0	0	22	111	0	18
591	U. WI River Falls	150	0	0	0	0	118	32	0
592	Ft. Lewis C.	147	0	0	66	12	2	0	67
593	U. TX of the Permian Basin	147	0	12	57	0	52	0	26

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by federal agency:
FY 2007

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
594	Grinnell C.	145	0	0	0	0	138	0	7
595	Northern MI U.	143	0	0	0	0	9	11	123
596	McNeese State U.	140	0	0	0	0	3	0	137
597	U. Houston-Downtown	123	29	0	0	0	14	80	0
598	A.T. Still U. of Health Sciences	120	0	0	120	0	0	0	0
599	Pitzer C.	116	0	0	0	54	62	0	0
600	Kalamazoo C.	114	0	0	41	0	73	0	0
601	Des Moines U.	108	0	0	108	0	0	0	0
602	Wilkes U.	108	0	0	56	0	1	29	22
603	Gustavus Adolphus C.	102	0	0	0	0	82	0	20
604	VA Military Institute	89	0	0	0	0	71	18	0
605	Willamette U.	87	0	0	0	0	87	0	0
606	U. WI Parkside	84	0	0	31	9	16	0	28
607	Canisius C.	76	0	0	0	0	76	0	0
608	Lake Forest C.	76	0	0	59	0	17	0	0
609	St. Mary's C. MD	76	2	0	42	0	3	0	29
610	CO State U. Pueblo	55	0	0	41	0	14	0	0
611	C. NJ, The	49	0	0	0	0	0	0	49
612	U. WI Platteville	46	0	0	0	0	0	0	46
613	Angelo State U.	45	0	0	0	0	12	33	0
614	CUNY Baruch C.	40	0	0	31	0	9	0	0
615	Roanoke C.	26	0	0	0	26	0	0	0
616	Kansas City U. of Medicine and Biosciences	16	16	0	0	0	0	0	0
617	U. of the South	13	0	0	0	0	13	0	0
618	SUNY Fredonia	8	0	0	0	0	0	0	8
	Cooper Union	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a Includes all other agencies reported.

^b Agency detail data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Federal R&D expenditures total is for only those respondents who reported federal agency detail of zero or more and does not match total for all survey respondents. Agency detail may not add to total federal expenditures because some institutions were unable to provide complete agency data. Data are not adjusted for nonresponse. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	30,030,590	924,569	1,746,317	18,162,652	374,906	2,537,442	593,799	745,143	313,498	3,886,801
1	Johns Hopkins U., The ^a	1,362,836	2,292	18,251	523,356	1,258	26,487	5,787	2,409	755	41,292
2	U. WA	620,375	1,417	79,664	427,748	4,671	29,485	8,688	7,705	0	60,997
3	U. MI all campuses	577,201	4,828	8,384	351,752	4,434	26,753	7,250	58,308	132	115,360
4	Stanford U.	534,787	17,432	12,786	320,914	7,056	56,783	6,953	6,545	0	106,318
5	U. CA, Los Angeles	488,846	11,858	7,754	368,103	4,199	49,423	8,913	5,968	4,889	27,739
6	MA Institute of Technology	476,318	30,102	23,111	154,459	4,314	95,057	665	2,908	6,259	159,443
7	U. CA, San Diego	475,708	36,886	75,906	272,820	2,528	39,862	5,828	3,710	936	37,232
8	U. WI Madison	469,076	10,830	64,261	268,017	4,262	37,233	7,305	20,968	0	56,200
9	U. CA, San Francisco	467,402	0	0	451,445	0	15,957	0	0	0	0
10	Columbia U. in the City of NY	459,748	8,114	50,807	320,271	1,718	29,578	3,743	10,855	2,056	32,606
11	Duke U.	459,122	2,861	9,023	379,720	5,910	15,101	1,795	17,047	0	27,665
12	U. PA	449,687	5,602	380	368,697	2,296	23,930	5,104	17,423	5,413	20,842
13	U. CO all campuses	442,303	6,775	81,691	243,334	2,061	57,541	12,462	5,630	824	31,985
14	U. Pittsburgh all campuses	441,357	3,883	1,159	389,116	1,952	14,755	5,823	2,897	7,407	14,365
15	Washington U. St. Louis	424,451	3,683	3,670	387,033	699	11,173	4,118	3,805	0	10,270
16	Harvard U.	392,103	989	25,796	279,509	3,332	48,423	6,880	9,362	0	17,812
17	PA State U. all campuses	370,789	31,582	25,479	95,554	7,515	33,865	15,596	10,636	160	150,402
18	Cornell U. all campuses	367,094	14,468	3,762	228,986	3,016	56,576	2,360	9,171	0	48,755
19	U. Southern CA	355,084	72,227	13,569	213,373	6,733	7,985	5,344	3,751	283	31,819
20	Yale U.	349,027	3,145	3,888	311,023	1,015	16,667	3,583	876	0	8,830
21	U. NC Chapel Hill	346,672	8,944	13,375	272,789	2,079	20,427	5,671	23,387	0	0
22	U. MN all campuses	337,966	9,704	5,474	248,605	6,024	17,698	7,925	11,346	0	31,190
23	OH State U. all campuses	313,242	12,349	6,753	180,247	7,559	18,791	4,289	31,357	5,718	46,179
24	Vanderbilt U.	312,178	0	518	251,691	1,261	15,082	8,225	4,294	1,242	29,865
25	Case Western Reserve U.	304,742	177	1,102	265,766	672	6,286	1,202	3,693	0	25,844
26	U. TX Austin	289,331	34,545	14,579	33,786	19,660	61,858	8,255	14,156	7,303	95,189
27	U. Rochester	280,132	1,947	898	175,369	264	9,350	10,159	183	0	81,962
28	Emory U.	271,445	0	0	249,557	753	8,590	1,835	432	0	10,278
29	U. AZ	269,941	2,384	7,031	135,794	2,233	87,317	3,332	7,571	0	24,279
30	U. AL Birmingham, The	269,006	37	0	253,380	2,762	3,842	3,027	166	0	5,792
31	Scripps Research Institute, The	267,073	0	0	267,073	0	0	0	0	0	0
32	Baylor C. of Medicine	263,146	0	0	263,146	0	0	0	0	0	0
33	U. Chicago	261,870	21,334	6,161	184,383	3,849	36,157	6,033	3,953	0	0
34	GA Institute of Technology all campuses	260,230	32,105	10,351	7,879	2,769	19,469	2,426	3,322	1,669	180,240
35	U. CA, Davis	256,994	4,218	6,542	196,216	3,055	15,484	1,243	4,393	986	24,857
36	U. Cincinnati all campuses	253,833	0	232	229,991	271	5,028	627	1,502	0	16,182
37	CA Institute of Technology	253,657	9,552	14,907	38,850	1,971	150,022	0	0	135	38,220

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
38	U. IL Urbana-Champaign	253,612	50,005	15,033	57,958	2,801	38,525	8,102	5,338	2,104	73,746
39	U. CA, Berkeley	251,043	580	5,861	91,390	4,978	63,593	6,087	8,094	16,739	53,721
40	Northwestern U.	249,411	731	1,474	167,637	2,383	20,988	2,503	3,970	5,979	43,746
41	U. FL	240,819	2,876	6,366	151,519	3,551	21,537	7,161	3,341	0	44,468
42	Boston U.	232,115	1,610	4,607	146,597	1,286	25,387	8,845	778	19,203	23,802
43	TX A&M U.	228,363	4,025	75,613	64,414	6,166	18,775	1,682	3,676	1,797	52,215
44	OR Health & Science U.	227,441	17,324	0	210,117	0	0	0	0	0	0
45	U. IA	222,944	527	562	179,500	1,340	14,151	6,863	2,496	0	17,505
46	Mt. Sinai School of Medicine	221,397	0	0	221,397	0	0	0	0	0	0
47	U. MD College Park	218,973	19,385	11,784	27,644	5,162	45,685	4,050	51,032	0	54,231
48	CO State U.	210,746	1,307	81,028	76,498	2,627	9,005	2,370	3,014	15,848	19,049
49	U. IL Chicago	208,881	4,503	862	171,862	1,679	8,330	2,920	4,605	3,373	10,747
50	U. HI Manoa	208,196	33,735	55,290	69,903	5	27,071	56	4,404	11,285	6,447
51	U. VA all campuses	198,274	5,896	4,107	137,685	561	13,116	5,475	690	1,068	29,676
52	NY U.	194,303	4,090	0	150,053	8,967	9,006	14,505	5,622	2,060	0
53	U. TX Southwestern Medical Ctr. Dallas	191,687	0	0	191,687	0	0	0	0	0	0
54	U. TX M. D. Anderson Cancer Ctr.	190,508	0	0	166,743	5,396	6,410	7,791	3,654	0	514
55	U. UT	174,719	9,948	4,244	122,315	2,201	14,237	1,727	764	0	19,283
56	MI State U.	170,350	1,716	655	97,284	3,918	38,216	3,304	12,567	24	12,666
57	U. CA, Irvine	169,912	6,630	3,582	118,579	2,133	19,920	2,108	3,410	32	13,518
58	Carnegie Mellon U.	168,486	89,678	1,241	5,152	3,325	8,145	6,615	6,538	2,497	45,295
59	IN U. all campuses	165,934	4,799	2,880	127,255	1,707	14,494	7,704	4,108	85	2,902
60	U. MD Baltimore	164,211	0	0	164,211	0	0	0	0	0	0
61	U. South FL	158,442	0	19,237	113,383	77	2,294	2,457	3,311	421	17,262
62	U. KY all campuses	154,688	1,397	1,965	104,457	5,959	5,126	7,087	2,249	5,416	21,032
63	SUNY Buffalo all campuses	148,989	3,726	1,563	101,593	1,977	7,435	4,691	1,478	0	26,526
64	Yeshiva U.	147,941	0	0	147,941	0	0	0	0	0	0
65	U. Miami	147,535	106	38,724	95,056	360	2,299	7,461	1,123	0	2,406
66	LA State U. all campuses	145,650	1,419	12,759	101,607	1,395	13,769	653	1,753	951	11,344
67	Wake Forest U.	141,467	141	0	138,122	215	2,683	224	82	0	0
68	U. NE all campuses	138,338	5,040	3,553	88,338	1,355	8,179	8,408	4,472	2,888	16,105
69	Rutgers, The State U. NJ all campuses	135,933	3,721	13,483	65,682	5,892	23,935	3,824	6,429	0	12,967
70	U. TX Health Science Ctr. Houston	131,879	0	0	131,879	0	0	0	0	0	0
71	U. MA Worcester	131,226	0	0	131,226	0	0	0	0	0	0
72	NC State U.	131,056	3,445	6,605	53,471	8,525	12,243	58	4,504	1,238	40,967
73	VA Polytechnic Institute and State U.	128,796	3,610	2,516	53,641	1,323	9,062	2,034	2,182	6	54,422
74	Dartmouth C.	128,164	3,718	660	93,161	441	4,176	2,639	448	10,128	12,793
75	U. TN all campuses	126,998	6,098	2,356	73,900	635	11,310	171	2,858	1,966	27,704

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
76	U. of Medicine and Dentistry NJ	126,101	0	0	126,101	0	0	0	0	0	0
77	U. CT all campuses	123,513	1,645	5,262	87,828	572	5,845	11,876	2,440	0	8,045
78	U. NM main campus	123,039	3,265	4,581	75,010	1,148	13,038	7,220	2,423	4,624	11,730
79	Princeton U.	119,171	6,404	11,521	25,394	3,970	23,907	7,320	6,772	0	33,883
80	U. TX Medical Branch	118,173	0	0	116,844	0	0	0	0	0	1,329
81	U. KS all campuses	115,670	351	6,379	84,190	588	7,378	630	5,500	374	10,280
82	AZ State U.	114,632	4,350	12,551	30,218	5,352	12,017	9,289	9,186	455	31,214
83	Wayne State U.	114,364	1,175	5	90,011	505	8,155	3,470	2,118	160	8,765
84	FL State U.	113,681	5,156	14,722	16,855	1,245	31,823	10,492	6,492	0	26,896
85	Woods Hole Oceanographic Institution	112,754	0	91,173	0	0	0	0	0	0	21,581
86	U. CA, Santa Barbara	111,848	8,470	12,304	5,226	960	25,104	3,965	2,036	4,869	48,914
87	SUNY Stony Brook all campuses	111,241	3,704	13,610	57,649	3,057	17,752	4,107	699	0	10,663
88	OR State U.	110,267	2,794	32,165	50,481	2,224	2,483	341	1,060	4,346	14,373
89	U. MO-Columbia	108,328	1,270	995	80,231	1,810	5,952	4,578	4,358	0	9,134
90	Medical C. WI	107,200	0	0	107,200	0	0	0	0	0	0
91	MS State U.	106,662	5,789	7,559	41,751	583	2,512	2,355	3,114	4,087	38,912
92	SUNY Albany	105,776	1,553	3,084	89,527	86	2,399	1,807	4,652	0	2,668
93	U. GA	103,256	779	4,325	78,975	994	5,722	7,817	2,252	0	2,392
94	Georgetown U.	101,853	46	0	97,275	214	2,248	1,079	991	0	0
95	Medical U. SC	101,402	0	0	101,370	0	0	0	0	0	32
96	NM State U. main campus	100,773	1,449	403	14,969	262	13,257	3,050	2,170	919	64,294
97	Tulane U.	98,473	0	305	87,021	1,318	1,923	358	3,338	0	4,210
98	IA State U.	97,112	3,131	4,585	42,007	3,995	6,752	195	10,620	326	25,501
99	U. TX Health Science Ctr. San Antonio	95,610	0	0	95,610	0	0	0	0	0	0
100	Brown U.	95,023	5,622	4,740	57,348	5,372	7,119	839	2,745	0	11,238
101	Tufts U.	91,379	452	289	77,159	376	4,520	2,106	207	0	6,270
102	VA Commonwealth U.	90,137	0	163	77,405	1,520	3,694	2,429	1,844	0	3,082
103	U. VT	90,049	249	402	79,398	904	693	1,926	108	4,807	1,562
104	UT State U.	89,948	473	5,202	23,295	234	2,324	2,153	1,470	1,890	52,907
105	U. SC all campuses	89,000	1,505	17,644	27,511	2,027	9,293	8,623	4,546	1,398	16,453
106	George Washington U.	87,624	1,324	2	23,896	48,846	2,825	1,969	2,290	257	6,215
107	Rockefeller U.	86,728	0	0	80,664	1,847	4,213	0	4	0	0
108	U. OK all campuses	86,422	728	14,005	55,145	336	5,085	2,110	1,429	0	7,584
109	U. DE	82,539	1,862	9,609	14,185	1,089	12,528	2,426	3,101	3,673	34,066
110	Thomas Jefferson U.	81,545	0	0	81,545	0	0	0	0	0	0
111	U. NH	81,027	679	47,719	10,455	202	3,247	208	3,613	1,068	13,836
112	WA State U.	78,505	113	1,523	43,523	486	12,434	1,119	4,032	4,132	11,143
113	U. MS all campuses	77,526	127	7,092	51,688	4	13,654	0	345	0	4,616

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
114	U. Louisville	76,479	889	131	59,448	294	3,592	4,095	514	28	7,488
115	MT State U. Bozeman	75,765	123	1,484	37,697	886	13,906	48	1,374	8,486	11,761
116	U. MA Amherst	71,974	9,084	2,485	28,580	1,921	7,538	3,111	1,532	0	17,723
117	NM Institute of Mining and Technology	69,050	468	64	263	16	19,435	86	0	5,028	43,690
118	U. CA, Santa Cruz	68,204	1,252	11,674	7,352	420	18,187	444	969	0	27,906
119	Drexel U.	66,795	6,190	0	31,347	262	2,698	1,289	0	0	25,009
120	WV U.	65,699	430	4,586	37,106	249	3,198	188	684	1,359	17,899
121	U. NV, Reno	62,713	672	6,805	30,918	58	10,422	1,080	456	1,999	10,303
122	Naval Postgraduate School	62,434	7,482	16,183	0	4,931	5,470	0	4,819	11,900	11,649
123	U. AR for Medical Sciences	60,836	0	0	60,836	0	0	0	0	0	0
124	U. Dayton	60,089	484	0	1,626	0	147	13	0	419	57,400
125	U. CA, Riverside	56,129	1,621	4,714	22,618	294	6,867	2,318	900	2	16,795
126	Auburn U. all campuses	54,949	4	2,179	17,095	192	5,248	428	2,586	1,418	25,799
127	Temple U.	54,452	910	58	39,988	358	4,397	6,165	797	0	1,779
128	Rice U.	54,301	6,461	1,796	7,523	2,999	12,386	598	451	0	22,087
129	U. of Notre Dame	53,974	2,368	0	12,885	1,174	17,421	3,790	663	4,251	11,422
130	Clemson U.	53,905	545	0	12,646	1,005	5,362	859	3,708	3	29,777
131	U. RI	52,561	568	21,693	15,772	45	729	447	10	7,843	5,454
132	FL International U.	52,141	4,155	2,680	19,187	116	5,186	1,737	4,319	0	14,761
133	U. OR	49,467	2,576	2,381	21,280	582	10,560	7,088	4,870	0	130
134	U. MD Baltimore County	49,461	2,848	23,856	3,668	824	7,253	1,508	1,983	784	6,737
135	U. Central FL	49,359	0	8,096	2,165	262	13,686	1,192	1,164	9,424	13,370
136	Rensselaer Polytechnic Institute	48,924	2,996	1,536	2,034	2,483	9,710	1,500	210	0	28,455
137	Charles R. Drew U. of Medicine and Science	48,580	0	0	48,580	0	0	0	0	0	0
138	U. AL Huntsville, The	48,415	7,790	8,525	634	310	6,004	488	791	0	23,873
139	St. Louis U. all campuses	47,704	0	707	45,623	17	572	136	137	4	508
140	George Mason U.	46,588	6,061	9,020	4,188	2,903	2,070	2,012	16,910	0	3,424
141	U. ID	46,144	779	1,983	26,571	584	2,318	13	1,961	1,573	10,362
142	U. NV, Las Vegas	46,128	1,553	17,095	3,873	96	8,496	171	277	0	14,567
143	ND State U. all campuses	45,475	194	154	12,384	310	13,052	2,149	7,158	1,354	8,720
144	U. ND all campuses	44,610	24	9,685	13,562	6	759	48	36	233	20,257
145	U. Southern MS	42,645	224	14,233	7,272	84	10,682	241	248	9,332	329
146	U. ME	41,963	101	11,429	12,041	95	1,796	1,056	4,103	3,255	8,087
147	Brandeis U.	41,358	1,162	0	21,862	446	5,929	2,911	9,048	0	0
148	NJ Institute of Technology	41,330	2,053	0	0	2,051	10,143	0	274	3,159	23,650
149	Medical C. GA	40,609	0	0	40,609	0	0	0	0	0	0
150	U. Houston	40,116	3,942	1,151	10,299	1,198	4,361	8,343	3,086	0	7,736

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
151	Rush U.	39,601	0	0	38,251	0	0	1,350	0	0	0
152	Uniformed Services U. of the Health Sciences	37,275	0	0	34,119	0	0	3,156	0	0	0
153	U. AR main campus	37,016	7	1,302	16,595	120	9,755	115	704	0	8,418
154	OK State U. all campuses	36,958	482	771	16,929	56	2,408	64	1,346	3,740	11,162
155	Northeastern U.	36,028	1,639	57	10,037	245	7,770	1,674	892	0	13,714
156	TX A&M U. System Health Science Ctr.	35,004	6	436	34,095	0	0	31	9	0	427
157	U. MT-Missoula, The	33,855	129	1,881	25,863	983	3,690	352	957	0	0
158	San Diego State U.	33,139	214	2,061	16,328	421	2,045	5,473	813	8	5,776
159	U. PR Medical Sciences Campus	31,955	0	0	31,955	0	0	0	0	0	0
160	U. Toledo	31,863	14	1,595	19,107	35	3,603	192	124	2	7,191
161	Meharry Medical C.	31,263	0	0	31,263	0	0	0	0	0	0
162	Jackson State U.	30,980	3,703	3,314	8,064	959	4,856	413	205	6,611	2,855
163	Desert Research Institute	30,752	0	29,163	1,243	0	0	0	346	0	0
164	U. MD Biotechnology Institute	30,375	0	6,761	23,614	0	0	0	0	0	0
165	MI Technological U.	28,193	180	8,625	87	467	1,495	0	250	19	17,070
166	SUNY Upstate Medical U.	27,933	0	0	27,933	0	0	0	0	0	0
167	U. AL, The	27,744	6,130	787	3,856	5	3,005	1,508	1,356	35	11,062
168	NY Medical C.	26,101	0	0	26,101	0	0	0	0	0	0
169	C. of William and Mary all campuses	25,983	383	17,215	956	224	3,748	184	499	2,774	0
170	Old Dominion U.	25,694	1,025	3,131	2,205	589	2,758	774	1,576	0	13,636
171	U. WY	25,537	67	4,336	14,517	118	1,938	284	1,012	1,490	1,775
172	Syracuse U. all campuses	24,894	3,878	2,490	1,170	806	4,628	5,071	1,382	1	5,468
173	Loyola U. Chicago	24,794	0	0	23,689	0	286	638	181	0	0
174	Loma Linda U.	24,666	0	0	24,546	0	0	0	120	0	0
175	GA State U.	24,569	166	196	11,836	175	4,308	2,793	4,869	226	0
176	Hampton U.	23,836	21	15,945	1,203	329	2,320	0	0	2,775	1,243
177	SUNY Health Science Ctr. Brooklyn	23,232	0	0	23,232	0	0	0	0	0	0
178	Morehouse School of Medicine	23,230	0	0	23,230	0	0	0	0	0	0
179	TX Tech U.	22,874	716	2,979	4,979	465	2,709	363	2,932	0	7,731
180	Stevens Institute of Technology	22,809	1,208	3,574	2,220	45	1,005	0	0	403	14,354
181	San Jose State U.	22,609	141	8,690	572	268	2,296	7,879	47	168	2,548
182	Wright State U. all campuses	22,229	1,237	505	14,020	247	1,961	725	92	58	3,384
183	Lehigh U.	22,116	1,151	765	1,368	131	3,994	259	204	0	14,244
184	CUNY The City C.	21,776	174	217	6,122	300	6,896	155	0	0	7,912
185	U. TX El Paso	21,018	1,854	3,686	7,906	666	2,687	534	109	0	3,576
186	Eastern VA Medical School	20,620	0	0	20,620	0	0	0	0	0	0
187	U. TX San Antonio	20,545	3,185	369	12,169	132	1,468	45	1,506	0	1,671

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
188	Boston C.	20,336	3	7,576	2,531	501	4,958	733	4,034	0	0
189	U. MA Lowell	20,045	746	2,706	2,745	59	7,089	35	888	0	5,777
190	U. TX Arlington	19,774	1,039	262	806	341	5,125	1,116	87	0	10,998
191	IL Institute of Technology	19,731	1,674	0	8,729	334	3,236	626	0	0	5,132
192	U. Southern ME	19,656	41	448	10,408	0	18	64	8,533	52	92
193	U. North TX Health Science Ctr. Ft. Worth	19,203	0	0	19,203	0	0	0	0	0	0
194	OH U. all campuses	18,605	623	673	4,225	97	3,307	890	486	0	8,304
195	Marshall U.	18,412	0	18	11,945	18	312	0	0	0	6,119
196	U. WI Milwaukee	18,368	140	4,045	3,819	675	4,926	710	2,164	1	1,888
197	U. MO-Rolla	18,256	275	1,401	405	0	2,192	0	11	0	13,972
198	CO School of Mines	18,248	0	724	0	230	3,893	0	0	3,731	9,670
199	Wichita State U.	18,086	59	14	4,610	176	1,375	1,700	857	0	9,295
200	FL Atlantic U.	18,037	646	503	3,421	943	1,186	623	87	2,647	7,981
201	U. TX Dallas	17,783	2,753	128	2,985	79	4,521	2,390	715	383	3,829
202	U. Memphis, The	17,765	953	1,604	2,471	389	1,290	3,612	3,933	199	3,314
203	Southern IL U. Carbondale	17,724	93	305	12,781	186	2,204	659	432	366	698
204	Brigham Young U. all campuses	17,118	672	245	4,988	668	2,100	403	370	0	7,672
205	Portland State U.	17,054	1,930	2,261	4,572	242	1,502	715	3,986	0	1,846
206	SD State U.	16,729	18	1,201	12,600	0	446	0	342	0	2,122
207	U. SD	16,683	192	2	15,153	0	1,096	116	124	0	0
208	U. MO-Kansas City	16,542	0	0	13,672	60	1,377	659	284	0	490
209	U. South AL	16,400	0	3,272	10,784	160	354	535	199	0	1,096
210	U. PR Rio Piedras Campus	16,114	0	1,209	2,000	303	11,340	1,076	70	116	0
211	CUNY Hunter C.	15,768	181	254	6,183	27	3,992	4,703	428	0	0
212	NC Agricultural and Technical State U.	15,362	454	0	4,941	0	1,598	0	91	0	8,278
213	Catholic U. America, The	15,324	0	0	1,543	0	12,374	269	72	0	1,066
214	FL A&M U.	14,502	118	2,525	7,508	49	1,634	1	0	0	2,667
215	U.S. Air Force Academy	14,301	450	0	330	263	2,714	354	700	1,836	7,654
216	SUNY Binghamton	13,991	1,201	640	890	207	1,354	3,097	2,495	0	4,107
217	U. MD Ctr. for Environmental Science	13,365	0	13,365	0	0	0	0	0	0	0
218	Rochester Institute of Technology	13,225	137	193	1,718	144	6,127	146	166	0	4,594
219	Northern IL U.	13,034	200	1,736	2,751	123	3,495	1,753	360	0	2,616
220	U. of the VI	12,561	0	0	6,283	0	0	0	6,278	0	0
221	Northern AZ U.	12,409	4	1,240	10,108	79	434	0	212	38	294
222	ID State U.	11,911	537	1,403	4,629	28	4,260	0	517	144	393
223	San Francisco State U.	11,896	50	2,079	5,073	112	2,481	1,121	945	0	35
224	U. NC Charlotte	11,887	2,380	393	2,682	544	878	314	94	0	4,602

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
225	CA State U. Long Beach	11,856	56	202	1,932	113	1,143	1,026	0	479	6,905
226	Creighton U.	11,716	0	79	11,164	0	438	35	0	0	0
227	U. MA Dartmouth	11,456	229	6,434	958	746	784	36	107	0	2,162
228	U. NC Wilmington	11,362	32	6,341	3,305	18	542	962	79	83	0
229	SD School of Mines and Technology	11,232	10	1,728	0	0	195	0	0	0	9,299
230	U. Akron all campuses	11,210	0	162	1,640	227	4,905	45	1,202	0	3,029
231	Mercer U. all campuses	11,075	0	0	1,213	0	33	0	0	0	9,829
232	Tuskegee U.	11,033	0	0	7,722	0	221	0	1,876	0	1,214
233	U. LA Lafayette	10,712	1,006	11	5,772	245	54	1,210	151	1,361	902
234	East Carolina U.	10,354	0	775	7,890	155	944	165	389	36	0
235	Southern Methodist U.	10,304	190	2,661	1,688	355	2,871	965	141	0	1,433
236	Western MI U.	10,254	63	1,015	3,124	2,269	2,217	61	303	0	1,202
237	Morgan State U.	9,992	32	0	1,538	1,280	346	0	1,035	0	5,761
238	Boise State U.	9,924	0	968	3,260	59	456	0	496	0	4,685
239	CA State U. Los Angeles	9,819	0	740	4,378	232	2,776	171	40	0	1,482
240	Kent State U. all campuses	9,801	572	261	1,786	170	4,439	1,822	751	0	0
241	Worcester Polytechnic Institute	9,545	1,043	0	741	1,014	675	0	18	0	6,054
242	Albany Medical C.	9,521	0	0	9,521	0	0	0	0	0	0
243	Prairie View A&M U.	9,217	12	0	5,086	100	1,613	0	0	0	2,406
244	U. MA Boston	9,152	1,193	972	2,519	0	234	1,898	2,264	0	72
245	TX Tech U. Health Science Ctr.	8,765	0	0	8,765	0	0	0	0	0	0
246	Southwest MO State U.	8,740	10	223	924	105	7,409	19	50	0	0
247	Universidad Central del Caribe	8,672	0	0	8,672	0	0	0	0	0	0
248	TN State U.	8,475	14	0	5,681	212	718	0	0	0	1,850
249	AL A&M U.	8,467	0	0	5,949	0	1,551	0	0	321	646
250	Western KY U.	8,225	59	940	1,596	3	5,283	274	0	0	70
251	Clark Atlanta U.	7,905	999	0	3,437	0	2,966	49	26	50	378
252	Alcorn State U.	7,874	0	0	7,874	0	0	0	0	0	0
253	U. Tulsa	7,851	2,825	122	714	0	852	553	239	0	2,546
254	SUNY C. of Environmental Science and Forestry	7,842	0	1,733	3,412	0	957	0	3	0	1,737
255	U. Denver	7,694	298	0	1,465	0	1,817	2,321	78	0	1,715
256	Rosalind Franklin U. of Medicine and Science	7,689	0	0	7,148	0	0	541	0	0	0
257	Teachers C. Columbia U.	7,655	0	0	1,786	0	0	3,816	2,053	0	0
258	U. HI Hilo	7,610	0	1,967	4,633	0	278	134	37	561	0
259	VA State U.	7,604	425	0	6,604	9	0	8	0	0	558
260	Clarkson U.	7,587	61	0	451	163	1,601	0	0	0	5,311

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
261	U.S. Naval Academy	7,575	75	73	0	661	1,725	0	374	0	4,667
262	CA State U. Northridge	7,339	0	707	757	1,054	1,931	651	186	1,437	616
263	CUNY Queens C.	7,238	121	191	5,069	0	778	974	105	0	0
264	U. North TX	7,192	510	441	1,524	228	1,775	0	311	0	2,403
265	U.S. Military Academy	7,043	1,052	121	0	447	278	870	2,648	0	1,627
266	U. GU	6,867	0	830	6,037	0	0	0	0	0	0
267	Marquette U.	6,842	0	0	3,026	352	1,054	87	112	31	2,180
268	Air Force Institute of Technology	6,681	797	18	0	620	2,144	0	0	0	3,102
269	TX A&M U. Corpus Christi	6,609	300	1,913	2,954	867	262	0	0	225	88
270	Ponce School of Medicine	6,594	0	0	6,594	0	0	0	0	0	0
271	DE State U.	6,487	0	300	3,818	611	1,126	0	0	489	143
272	Polytechnic U.	6,329	1,892	0	0	396	1,316	0	329	0	2,396
273	Bowling Green State U. all campuses	6,299	59	432	788	320	2,527	519	1,328	0	326
274	TN Technological U.	6,076	17	0	577	119	803	171	0	0	4,389
275	Fisk U.	6,000	0	0	0	0	6,000	0	0	0	0
276	Norfolk State U.	5,998	1,091	0	271	23	3,975	0	80	0	558
277	Wheeling Jesuit U.	5,974	0	0	72	0	0	0	30	0	5,872
278	New School, The	5,922	5,690	0	0	0	0	174	58	0	0
279	FL Institute of Technology	5,570	610	784	942	27	1,906	0	0	0	1,301
280	CA State Polytechnic U. San Luis Obispo	5,391	47	754	1,079	60	95	6	2	2,590	758
281	Oakland U.	5,386	338	0	1,124	44	1,719	76	0	0	2,085
282	U. NC Greensboro	5,256	0	13	2,964	190	628	1,105	356	0	0
283	Cleveland State U.	5,097	0	121	1,072	0	86	24	976	0	2,818
284	Wesleyan U.	5,094	0	124	2,461	39	1,765	584	121	0	0
285	TX A&M U. Kingsville	5,067	200	260	2,434	0	96	0	0	0	2,077
286	U. PR Humacao	4,930	0	0	600	600	3,730	0	0	0	0
287	East TN State U.	4,864	102	0	4,449	0	112	83	46	72	0
288	Tarleton State U.	4,852	0	396	4,249	207	0	0	0	0	0
289	Morehouse C.	4,743	44	0	1,033	17	947	466	2,236	0	0
290	AR State U. main campus	4,694	17	0	696	0	3,904	0	0	0	77
291	CA State U. Dominguez Hills	4,580	216	0	782	3,151	273	97	61	0	0
292	Ball State U.	4,541	722	14	2,807	104	182	3	550	9	150
293	MT Tech of the U. MT	4,445	0	1,364	561	0	448	0	0	0	2,072
294	Southern U. and A&M C. all campuses	4,375	69	1,912	195	0	728	0	403	0	1,068
295	NC Central U.	4,337	0	0	3,883	0	454	0	0	0	0
296	Xavier U. LA	4,268	177	0	2,465	0	1,583	12	0	0	31
297	U. MO-St. Louis	4,240	0	0	1,807	219	1,087	147	980	0	0
298	CUNY Brooklyn C.	4,207	954	0	1,245	63	619	1,326	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
299	Lincoln U. (Jefferson City, MO)	4,169	0	891	2,107	0	0	0	525	646	0
300	LA Tech U.	4,151	490	151	1,225	49	718	44	0	0	1,474
301	C. Charleston	4,071	98	2,249	911	193	422	0	38	160	0
302	U. West FL	4,017	1,398	0	1,919	38	0	0	295	0	367
303	U. DC	4,002	0	62	1,539	0	464	0	1,070	0	867
304	CUNY Herbert H. Lehman C.	3,980	0	0	1,502	324	143	1,849	31	131	0
305	Duquesne U.	3,856	0	0	2,298	169	1,359	0	30	0	0
306	CA State U. Monterey Bay	3,832	0	3,315	517	0	0	0	0	0	0
307	James Madison U.	3,809	1,322	521	1,172	127	411	55	9	11	181
308	CA State U. Fullerton	3,792	0	211	1,961	0	106	2	1,333	105	74
309	St. Francis U. (Loretto, PA)	3,677	0	135	3,542	0	0	0	0	0	0
310	TX Southern U.	3,651	0	0	3,154	0	481	0	16	0	0
311	Langston U.	3,582	0	0	3,582	0	0	0	0	0	0
312	CA State U. San Bernardino	3,553	150	210	163	126	494	498	110	1,467	335
313	U. NC Asheville	3,473	0	514	1	635	1,958	0	125	169	71
314	Nova Southeastern U.	3,470	0	1,555	1,252	0	0	663	0	0	0
315	Gallaudet U.	3,460	0	0	411	0	46	3,003	0	0	0
316	U. TX-Pan American	3,457	38	136	1,237	13	368	0	323	0	1,342
317	KY State U.	3,451	0	0	3,414	0	0	0	0	0	37
318	Spelman C.	3,361	329	0	2,261	48	693	9	21	0	0
319	U. MD Eastern Shore	3,288	0	818	2,288	0	182	0	0	0	0
320	Stephen F. Austin State U.	3,285	0	10	893	0	0	0	4	2,378	0
321	Wellesley C.	3,210	198	25	723	34	862	0	84	1,284	0
322	Southern IL U. Edwardsville	3,133	91	349	2,146	56	206	0	0	23	262
323	U. CA, Merced	3,119	0	486	945	47	335	0	154	0	1,152
324	Rowan U.	3,102	0	0	95	1,001	239	664	6	0	1,097
325	U. AR Pine Bluff	3,091	0	0	2,925	0	166	0	0	0	0
326	IL State U.	3,074	0	13	2,238	29	598	43	153	0	0
327	TX Christian U.	3,022	7	39	74	0	634	2,238	0	0	30
328	Western WA U.	2,910	0	820	643	68	444	86	565	274	10
329	Smith C.	2,858	397	31	858	91	363	557	29	0	532
330	Baylor U.	2,829	191	307	643	22	638	103	644	0	281
331	Northeastern OH Universities C. of Medicine	2,777	0	0	2,777	0	0	0	0	0	0
332	Clark U.	2,734	0	819	554	0	509	606	246	0	0
333	Ft. Valley State U.	2,610	0	0	2,610	0	0	0	0	0	0
334	La Salle U.	2,598	0	0	0	18	0	0	0	2,580	0
335	West TX A&M U.	2,558	0	244	1,173	0	0	0	22	0	1,119

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
336	U. North FL	2,535	32	1	675	18	1,228	72	57	0	452
337	TX State U. San Marcos	2,528	231	842	554	75	762	0	0	64	0
338	Barnard C.	2,511	0	339	92	146	340	1,592	2	0	0
339	Humboldt State U.	2,510	206	223	1,860	109	0	0	89	0	23
340	CA State U. Fresno	2,477	NA	NA	NA	NA	NA	NA	NA	NA	NA
341	CUNY York C.	2,468	0	0	2,468	0	0	0	0	0	0
342	CA State Polytechnic U. Pomona	2,466	0	8	2,402	0	0	0	0	11	45
343	CUNY Graduate Ctr.	2,431	374	41	16	0	230	190	783	797	0
344	Black Hills State U.	2,409	0	236	1,823	0	0	146	204	0	0
345	St. Joseph's U.	2,403	589	0	441	0	7	0	234	1,132	0
346	FL Gulf Coast U.	2,386	7	1,563	666	0	44	0	0	106	0
347	DePaul U.	2,284	779	65	46	15	120	1,198	43	18	0
348	Fordham U.	2,268	0	0	1,865	0	5	160	159	79	0
349	Central State U.	2,263	116	116	232	0	116	0	116	0	1,567
350	Savannah State U.	2,257	0	863	396	407	0	0	0	0	591
351	SUNY C. of Optometry	2,164	0	0	2,164	0	0	0	0	0	0
352	U. WI La Crosse	2,147	103	608	886	24	300	0	31	7	188
353	U. WI Superior	2,068	0	1,141	0	36	0	0	891	0	0
354	Appalachian State U.	2,059	89	145	887	0	714	134	90	0	0
355	U. Central AR	2,034	NA	NA	NA	NA	NA	NA	NA	NA	NA
356	Alfred U. all campuses	2,002	0	37	0	0	55	559	0	0	1,351
357	Chicago State U.	1,993	0	0	0	0	0	0	0	1,993	0
358	Mt. Holyoke C.	1,989	26	551	114	255	834	81	128	0	0
359	Bowie State U.	1,960	1,904	0	56	0	0	0	0	0	0
360	Dillard U.	1,959	0	0	566	0	0	0	1,393	0	0
361	Lamar U.	1,925	12	30	0	16	20	0	0	0	1,847
362	Sam Houston State U.	1,923	311	1,154	2	0	109	0	37	310	0
363	Central WA U.	1,909	0	1,654	111	4	120	0	20	0	0
364	Oglala Lakota C.	1,835	0	748	734	0	112	0	0	182	59
365	Shaw U.	1,826	0	209	1,289	0	328	0	0	0	0
366	American U.	1,800	57	0	126	0	569	280	740	28	0
367	WV State U.	1,795	0	94	1,678	0	23	0	0	0	0
368	Elizabeth City State U.	1,792	0	61	894	79	0	0	757	0	1
369	Monmouth U.	1,762	1,402	294	0	0	66	0	0	0	0
370	Eastern MI U.	1,719	0	0	86	48	263	78	29	0	1,215
371	AL State U.	1,685	0	0	1,612	0	0	0	73	0	0
372	CA State U. East Bay	1,652	0	400	782	109	287	0	9	65	0
373	Sul Ross State U.	1,632	0	964	505	0	0	0	163	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
374	Middlebury C.	1,597	0	243	625	98	459	28	144	0	0
375	OR Institute of Technology	1,593	42	0	0	0	0	0	0	0	1,551
376	Kettering U.	1,583	0	0	0	0	15	0	0	0	1,568
377	Benedict C.	1,573	34	34	1,037	34	34	0	0	0	400
378	Seton Hall U.	1,551	0	0	1,297	0	254	0	0	0	0
379	Lawrence Technological U.	1,546	0	0	0	0	0	0	0	0	1,546
380	Fayetteville State U.	1,527	0	0	426	354	74	23	650	0	0
381	CUNY John Jay C. of Criminal Justice	1,509	0	0	5	21	0	947	536	0	0
382	PA C. of Optometry	1,500	0	0	1,500	0	0	0	0	0	0
383	Dowling C.	1,482	129	0	56	0	0	0	0	0	1,297
384	St. John's U. (Jamaica, NY)	1,478	0	0	542	0	28	907	0	1	0
385	SUNY C. Old Westbury	1,468	0	0	1,014	5	423	0	26	0	0
386	Western Carolina U.	1,435	138	290	477	0	8	0	375	0	147
387	Hope C.	1,432	220	41	502	23	407	0	0	0	239
388	Carleton C.	1,417	0	683	242	98	238	75	81	0	0
389	Bowdoin C.	1,402	29	188	765	42	189	85	104	0	0
390	Wilberforce U.	1,360	1,280	0	80	0	0	0	0	0	0
391	GA Southern U.	1,348	13	346	725	82	182	0	0	0	0
392	U. Richmond	1,328	0	0	244	113	690	281	0	0	0
393	SUNY C. Geneseo	1,310	27	0	57	515	693	18	0	0	0
394	Northwestern Health Sciences U.	1,289	0	0	1,289	0	0	0	0	0	0
395	Colgate U.	1,283	79	379	252	37	296	11	229	0	0
396	Pittsburg State U.	1,258	0	0	109	0	63	0	0	0	1,086
397	Central MI U.	1,257	0	48	349	262	443	139	0	0	16
398	Morehead State U.	1,257	0	11	254	25	19	255	508	0	185
399	CUNY C. Staten Island	1,256	0	0	20	182	1,019	0	0	0	35
400	Harvey Mudd C.	1,231	268	0	88	211	442	0	0	1	221
401	Ithaca C.	1,226	119	0	413	596	81	17	0	0	0
402	Pomona C.	1,226	168	29	202	13	311	463	40	0	0
403	Bryn Mawr C.	1,222	0	130	219	17	497	341	18	0	0
404	U. LA Monroe	1,194	0	0	329	0	0	0	865	0	0
405	U. Redlands	1,173	0	1,120	0	0	53	0	0	0	0
406	Milwaukee School of Engineering	1,133	0	0	645	0	40	0	0	0	448
407	Governors State U.	1,113	104	0	1,009	0	0	0	0	0	0
408	U. WI Stevens Point	1,112	0	498	521	0	69	0	24	0	0
409	Amherst C.	1,100	0	22	430	32	434	52	130	0	0
410	U. Northern IA	1,093	50	0	515	0	418	0	110	0	0
411	Loyola Marymount U.	1,082	0	0	185	176	41	330	14	0	336

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
412	U. Northern CO	1,079	0	36	208	140	411	0	105	179	0
413	U. Hartford	1,059	204	0	0	0	0	0	0	0	855
414	Southeastern LA U.	1,055	0	0	745	7	300	0	3	0	0
415	Middle TN State U.	1,011	132	0	375	34	408	0	32	0	30
416	Tougaloo C.	1,007	0	0	1,007	0	0	0	0	0	0
417	U.S. Coast Guard Academy	999	0	35	0	0	36	0	12	0	916
418	U. IL Springfield	997	104	0	0	0	5	0	872	16	0
419	IN State U. all campuses	991	0	300	76	0	130	476	9	0	0
420	Claremont Graduate U.	986	267	0	0	0	0	591	128	0	0
421	U. New England	978	0	138	840	0	0	0	0	0	0
422	SUNY C. Plattsburgh	973	0	246	18	0	709	0	0	0	0
423	Bucknell U.	958	0	0	352	0	246	0	0	0	360
424	Albany State U.	952	0	0	0	0	0	0	0	0	952
425	U. TX Tyler	937	234	14	179	22	0	0	7	0	481
426	Hamilton C. (Clinton, NY)	932	0	154	168	0	355	181	74	0	0
427	Franklin & Marshall C.	909	0	147	187	64	478	0	33	0	0
428	Northern KY U.	908	0	0	343	0	220	176	169	0	0
429	U. of the Pacific	908	8	0	656	0	206	0	0	0	38
430	SUNY C. Oswego	903	0	49	0	0	162	617	3	72	0
431	Bates C.	887	0	49	574	11	253	0	0	0	0
432	St. Cloud State U.	885	0	8	558	0	58	0	234	0	27
433	NY Institute of Technology all campuses	865	0	0	146	456	0	0	10	0	253
434	MS Valley State U.	844	313	0	0	0	17	0	0	0	514
435	Sinte Gleska U.	830	0	171	173	0	205	0	0	0	281
436	Lafayette C.	826	0	97	22	145	260	0	0	0	302
437	Towson U.	820	277	0	152	27	306	0	58	0	0
438	SUNY C. Brockport	819	30	94	440	0	245	0	0	10	0
439	Coastal Carolina U.	818	0	702	38	0	78	0	0	0	0
440	SUNY C. Buffalo	810	0	86	0	0	119	134	471	0	0
441	U. WI Eau Claire	804	9	140	161	30	464	0	0	0	0
442	Midwestern U. (Chicago, IL)	801	0	0	801	0	0	0	0	0	0
443	CT C.	800	17	0	213	0	425	120	25	0	0
444	Augustana C. (Sioux Falls, SD)	798	73	0	588	0	137	0	0	0	0
445	Roger Williams U. Bristol	790	0	135	434	0	221	0	0	0	0
446	NM Highlands U.	782	0	99	173	0	510	0	0	0	0
447	C. of the Holy Cross	779	0	0	73	128	214	331	33	0	0
448	Philadelphia U.	776	0	0	0	0	0	0	0	776	0
449	Furman U.	775	24	53	139	0	427	132	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
450	TX Woman's U.	755	0	0	661	0	53	0	32	9	0
451	Occidental C.	745	0	71	61	0	441	0	171	1	0
452	Swarthmore C.	741	0	0	34	28	325	271	9	14	60
453	New England C. of Optometry	729	0	0	729	0	0	0	0	0	0
454	St. Olaf C.	725	0	0	390	16	246	73	0	0	0
455	Colby C.	723	146	20	289	71	174	6	17	0	0
456	Trinity U.	715	27	52	311	70	196	35	22	0	2
457	U. West GA	708	28	210	131	5	304	0	30	0	0
458	West Chester U. PA	699	0	0	413	0	286	0	0	0	0
459	Western IL U.	698	0	9	297	0	392	0	0	0	0
460	MT State U. Billings	694	0	46	408	0	230	0	10	0	0
461	U. WI Oshkosh	690	21	33	567	0	68	0	0	1	0
462	U. WI Green Bay	687	0	687	0	0	0	0	0	0	0
463	Western U. of Health Sciences	680	0	0	680	0	0	0	0	0	0
464	Millersville U. PA	668	117	452	99	0	0	0	0	0	0
465	Reed C.	658	0	0	356	0	105	195	2	0	0
466	Davidson C.	656	0	0	531	125	0	0	0	0	0
467	Union C. (Schenectady, NY)	647	54	92	72	0	179	26	11	0	213
468	IL Wesleyan U.	644	0	0	24	0	359	258	3	0	0
469	Murray State U.	642	0	203	157	116	91	0	0	0	75
470	Oberlin C.	639	0	214	129	0	245	24	27	0	0
471	St. Mary's U. (San Antonio, TX)	623	0	0	40	0	0	0	0	549	34
472	Calvin C.	600	3	0	145	39	149	86	0	178	0
473	Vassar C.	600	118	81	245	0	84	0	66	0	6
474	Christopher Newport U.	596	0	0	128	0	448	20	0	0	0
475	Adelphi U.	594	0	0	594	0	0	0	0	0	0
476	Eastern IL U.	589	0	71	361	13	76	67	0	0	1
477	Millsaps C.	588	0	0	529	0	12	0	47	0	0
478	Lewis and Clark C.	586	12	4	525	0	45	0	0	0	0
479	CA State U. Bakersfield	584	0	175	158	47	204	0	0	0	0
480	Valparaiso U.	582	0	0	54	68	417	0	0	0	43
481	Trinity C. (Hartford, CT)	575	30	0	101	0	334	0	0	85	25
482	Augsburg C.	563	99	0	0	0	464	0	0	0	0
483	Philadelphia C. of Osteopathic Medicine	560	0	0	560	0	0	0	0	0	0
484	Fuller Theological Seminary CA	553	0	0	0	0	0	553	0	0	0
485	Evergreen State C.	548	47	430	65	0	0	0	0	6	0
486	Rose-Hulman Institute of Technology	532	0	0	0	0	486	0	0	0	46
487	Hofstra U.	515	0	0	216	0	105	81	0	0	113

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
488	Mt. St. Mary's C. (Los Angeles, CA)	515	0	0	454	0	61	0	0	0	0
489	U. San Francisco	513	0	2	63	0	200	177	71	0	0
490	Hobart and William Smith Colleges	506	0	215	0	0	144	19	128	0	0
491	CUNY Medgar Evers C.	495	0	210	96	0	189	0	0	0	0
492	Central CT State U.	485	0	0	194	0	159	0	132	0	0
493	Macalester C.	483	0	44	113	41	178	68	39	0	0
494	Providence C.	483	0	0	458	0	25	0	0	0	0
495	Daemen C.	481	0	0	481	0	0	0	0	0	0
496	U. of the Sciences Philadelphia	478	0	0	322	0	114	0	42	0	0
497	Hampshire C.	476	13	94	252	0	15	0	21	81	0
498	Eastern KY U.	471	0	113	136	28	194	0	0	0	0
499	Youngstown State U.	464	0	9	115	1	339	0	0	0	0
500	Grand Valley State U.	463	0	199	212	0	30	0	0	0	22
501	Lincoln U. (Lincoln University, PA)	450	0	0	238	0	50	0	0	162	0
502	Southern OR U.	447	0	75	282	0	25	0	65	0	0
503	Pace U. all campuses	443	22	4	328	0	0	0	0	89	0
504	Grambling State U.	428	0	114	2	0	312	0	0	0	0
505	Rhodes C.	421	0	0	129	0	176	116	0	0	0
506	Eastern OR U.	418	0	0	255	0	163	0	0	0	0
507	Universidad del Turabo	417	0	417	0	0	0	0	0	0	0
508	Universidad del Este	407	0	1	406	0	0	0	0	0	0
509	Northeastern State U.	404	0	0	404	0	0	0	0	0	0
510	Mercy C.	401	5	0	381	0	0	15	0	0	0
511	Bluefield State C.	396	0	0	396	0	0	0	0	0	0
512	Saginaw Valley State U.	396	0	0	0	1	11	0	0	0	384
513	Sarah Lawrence C.	385	6	115	58	0	172	0	0	34	0
514	Eastern WA U.	384	0	40	284	0	0	0	60	0	0
515	Muhlenberg C.	384	0	0	384	0	0	0	0	0	0
516	U. Puget Sound	381	0	1	222	0	0	0	143	15	0
517	U. Portland	373	0	12	96	46	153	0	66	0	0
518	Jacksonville State U.	371	0	95	276	0	0	0	0	0	0
519	Hendrix C.	369	0	7	85	0	201	0	0	0	76
520	Skidmore C.	369	0	0	217	0	81	71	0	0	0
521	Bradley U.	357	0	0	119	0	119	0	0	0	119
522	National U. of Health Sciences	351	0	0	351	0	0	0	0	0	0
523	Point Loma Nazarene C.	348	0	0	268	0	80	0	0	0	0
524	Mercyhurst C.	347	0	0	0	0	0	0	172	175	0
525	Kennesaw State U.	341	0	0	341	0	0	0	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
526	Southeastern OK State U.	332	0	0	61	0	271	0	0	0	0
527	U. New Haven	332	0	45	0	0	30	0	0	223	34
528	Andrews U.	321	0	0	2	64	30	0	225	0	0
529	Rider U.	321	0	0	321	0	0	0	0	0	0
530	U. NC Pembroke	319	0	58	14	0	247	0	0	0	0
531	Gettysburg C.	315	0	10	34	0	178	0	93	0	0
532	Dickinson C.	312	44	74	90	0	62	42	0	0	0
533	West Liberty State C.	310	0	0	310	0	0	0	0	0	0
534	U. Central OK	308	0	0	98	0	0	0	0	0	210
535	TX A&M U. Commerce	305	15	0	8	0	245	0	0	0	37
536	U. of St. Thomas (St. Paul, MN)	302	167	15	28	0	64	0	18	0	10
537	U. San Diego	297	0	141	50	0	106	0	0	0	0
538	Drake U.	294	0	13	90	0	171	0	0	20	0
539	John Carroll U.	293	0	0	59	234	0	0	0	0	0
540	U. Baltimore	286	0	0	0	0	0	0	286	0	0
541	Polytechnic U. PR	285	0	0	0	0	0	0	0	0	285
542	Maharishi U. of Management	280	0	0	280	0	0	0	0	0	0
543	Sonoma State U.	280	0	0	250	0	0	14	13	0	0
544	Allegheny C.	278	0	39	36	0	203	0	0	0	0
545	Whitman C.	277	0	83	128	0	54	12	0	0	0
546	Southern Polytechnic State U.	272	41	0	0	0	0	0	0	152	79
547	U. Scranton	272	0	0	131	0	141	0	0	0	0
548	Ursinus C.	272	0	16	226	0	30	0	0	0	0
549	OH Wesleyan U.	263	0	0	69	9	47	138	0	0	0
550	U. CA Office of the President	256	0	0	102	0	0	0	0	154	0
551	Lawrence U.	254	0	61	68	0	125	0	0	0	0
552	Pacific Lutheran U.	251	0	0	35	0	214	2	0	0	0
553	Albany C. of Pharmacy	250	0	0	250	0	0	0	0	0	0
554	Universidad Metropolitana	248	0	43	179	0	26	0	0	0	0
555	Indiana U. PA all campuses	246	0	16	113	0	40	4	73	0	0
556	Washington and Lee U.	246	51	0	37	0	158	0	0	0	0
557	Northeastern IL U.	245	0	0	0	52	108	85	0	0	0
558	Wabash C.	241	0	0	1	75	165	0	0	0	0
559	Simmons C.	240	0	0	45	0	11	0	22	162	0
560	Truman State U.	238	0	0	213	0	25	0	0	0	0
561	SUNY C. Cortland	237	0	71	97	2	57	0	10	0	0
562	Southwestern OK State U.	230	0	0	0	0	230	0	0	0	0
563	Coe C.	228	0	0	50	0	178	0	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
564	Mayville State U.	224	0	0	224	0	0	0	0	0	0
565	Western CT State U.	221	0	0	108	0	113	0	0	0	0
566	C. Wooster	219	0	28	42	0	149	0	0	0	0
567	Goucher C.	216	0	0	203	0	13	0	0	0	0
568	Heritage U. (Toppenish, WA)	210	0	0	210	0	0	0	0	0	0
569	Loyola U. New Orleans	206	0	0	84	0	122	0	0	0	0
570	MN State U. Mankato	203	0	0	49	0	54	0	0	46	54
571	Carlos Albizu U. (San Juan, PR)	202	0	0	0	0	0	202	0	0	0
572	Chapman U.	198	0	0	87	42	69	0	0	0	0
573	Miles C.	197	36	0	8	0	153	0	0	0	0
574	MA C. of Pharmacy and Health Sciences	196	0	0	144	0	52	0	0	0	0
575	Abilene Christian U.	194	0	0	0	0	194	0	0	0	0
576	LeTourneau U.	189	0	0	0	0	0	0	0	0	189
577	Fairfield U.	182	0	0	163	0	2	10	7	0	0
578	Juniata C.	181	0	0	98	0	83	0	0	0	0
579	Troy U. main campus	181	0	0	36	0	145	0	0	0	0
580	U. WI Whitewater	180	0	0	159	0	21	0	0	0	0
581	U. WI Stout	175	0	0	40	130	0	0	0	5	0
582	Nicholls State U.	167	0	0	38	8	0	0	0	0	121
583	Cheyney U. PA	166	0	0	166	0	0	0	0	0	0
584	CA State U. Sacramento	163	0	0	0	0	0	0	0	0	163
585	U. Houston-Clear Lake	159	15	12	76	26	0	30	0	0	0
586	Winona State U.	158	1	0	155	0	0	0	2	0	0
587	Denison U.	156	0	19	44	5	88	0	0	0	0
588	Southern U. New Orleans	154	0	0	0	0	0	0	0	154	0
589	Jacksonville U.	153	0	0	153	0	0	0	0	0	0
590	Sweet Briar C.	151	0	0	111	0	22	0	18	0	0
591	U. WI River Falls	150	0	0	24	0	115	0	11	0	0
592	Ft. Lewis C.	147	0	4	118	0	14	0	11	0	0
593	U. TX of the Permian Basin	147	0	0	57	0	33	0	43	14	0
594	Grinnell C.	145	50	0	0	88	7	0	0	0	0
595	Northern MI U.	143	0	56	69	0	0	18	0	0	0
596	McNeese State U.	140	0	135	5	0	0	0	0	0	0
597	U. Houston-Downtown	123	14	0	80	29	0	0	0	0	0
598	A.T. Still U. of Health Sciences	120	0	0	120	0	0	0	0	0	0
599	Pitzer C.	116	0	0	0	62	0	0	54	0	0
600	Kalamazoo C.	114	0	0	81	12	21	0	0	0	0
601	Des Moines U.	108	0	0	108	0	0	0	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by all federal R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
602	Wilkes U.	108	0	51	57	0	0	0	0	0	0
603	Gustavus Adolphus C.	102	0	36	0	1	65	0	0	0	0
604	VA Military Institute	89	0	0	0	0	18	0	0	0	71
605	Willamette U.	87	0	0	2	74	0	0	0	11	0
606	U. WI Parkside	84	0	4	33	0	25	0	22	0	0
607	Canisius C.	76	0	0	0	35	41	0	0	0	0
608	Lake Forest C.	76	0	0	76	0	0	0	0	0	0
609	St. Mary's C. MD	76	0	0	22	0	12	42	0	0	0
610	CO State U. Pueblo	55	0	0	38	0	14	0	3	0	0
611	C. NJ, The	49	0	0	43	0	6	0	0	0	0
612	U. WI Platteville	46	0	0	0	0	0	0	0	2	44
613	Angelo State U.	45	0	0	33	0	12	0	0	0	0
614	CUNY Baruch C.	40	0	0	0	9	0	31	0	0	0
615	Roanoke C.	26	0	0	0	0	26	0	0	0	0
616	Kansas City U. of Medicine and Biosciences	16	0	0	16	0	0	0	0	0	0
617	U. of the South	13	10	3	0	0	0	0	0	0	0
618	SUNY Fredonia	8	0	0	0	0	8	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

nec = not elsewhere classified.

^a Field detail data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Federal R&D expenditures total is for only those respondents who reported federal agency detail of zero or more and does not match total for all survey respondents. Detail may not add to total federal expenditures in this table because some institutions were unable to provide complete agency data. Data are not adjusted for nonresponse. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	2,773,275	271,592	167,483	441,905	42,330	342,180	31,827	48,018	61,566	1,366,374
1	PA State U. all campuses	153,648	26,199	5,921	1,408	3,100	11,001	430	0	0	105,589
2	GA Institute of Technology all campuses	141,145	20,083	1,927	556	62	6,713	375	30	237	111,162
3	U. TX Austin	98,973	24,224	654	830	363	27,151	810	77	0	44,864
4	MA Institute of Technology	90,502	11,579	4,321	1,495	706	4,938	0	236	544	66,683
5	Carnegie Mellon U.	64,234	41,918	0	0	155	1,181	2,181	836	936	17,027
6	U. Southern CA	59,474	41,516	610	5,998	605	639	31	1,334	0	8,741
7	Stanford U.	58,528	6,712	160	4,996	2,302	9,261	122	1,500	0	33,475
8	U. Dayton	56,098	419	0	1,083	0	65	13	0	350	54,168
9	U. MD College Park	54,418	7,209	19	708	798	5,483	137	19,415	0	20,649
10	Naval Postgraduate School	52,349	5,066	12,681	0	4,608	4,495	0	4,321	11,722	9,456
11	U. MI all campuses	51,207	79	0	11,215	274	2,649	334	214	0	36,442
12	U. CA, San Diego	36,958	28	19,569	4,584	14	2,029	17	401	89	10,227
13	NM State U. main campus	35,999	0	148	256	0	626	2,790	116	0	32,063
14	U. IL Urbana-Champaign	35,968	5,856	670	1,433	267	3,466	831	102	367	22,976
15	U. HI Manoa	35,306	0	4,967	7,021	0	13,995	0	147	4,215	4,961
16	U. CA, Santa Barbara	33,535	802	295	34	75	2,512	219	0	0	29,598
17	UT State U.	29,122	113	998	1,159	0	229	0	3	0	26,620
18	CA Institute of Technology	28,532	989	0	1,626	367	14,181	0	0	0	11,369
19	OH State U. all campuses	28,315	4,370	211	2,284	778	1,169	40	953	0	18,510
20	MS State U.	27,402	2,595	1,663	145	21	497	316	0	1,481	20,684
21	TX A&M U.	24,514	301	1,726	1,190	554	2,153	101	14	607	17,868
22	U. CA, Los Angeles	24,271	425	0	7,023	654	5,370	108	0	0	10,691
23	Uniformed Services U. of the Health Sciences	23,858	0	0	20,702	0	0	3,156	0	0	0
24	U. CA, Berkeley	22,834	0	0	1,428	203	4,309	0	2	411	16,481
25	SUNY Buffalo all campuses	22,768	29	0	5,311	0	1,079	141	0	0	16,208
26	Woods Hole Oceanographic Institution	22,484	0	8,037	0	0	0	0	0	0	14,447
27	U. South FL	22,456	0	7,101	12,226	0	114	31	0	0	2,984
28	Johns Hopkins U., The ^a	22,442	444	39	12,591	247	703	0	41	277	8,100
29	Vanderbilt U.	22,390	0	0	3,760	25	4,030	37	0	0	14,538
30	Princeton U.	21,376	862	2,058	834	848	4,160	629	0	0	11,985
31	Duke U.	21,131	682	1,175	7,631	37	4,245	0	0	0	7,361
32	U. PA	20,765	1,328	301	6,097	862	1,460	100	5,460	0	5,157
33	AZ State U.	20,389	1,432	2	1,623	349	1,162	450	70	0	15,301
34	U. AL Huntsville, The	20,251	4,141	1	0	106	392	37	464	0	15,110
35	U. Pittsburgh all campuses	19,823	326	0	15,696	105	1,433	0	145	971	1,147
36	U. WI Madison	19,750	413	614	7,730	205	1,646	0	0	0	9,142

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
37	U. Central FL	19,337	0	0	298	10	7,917	870	22	8,159	2,061
38	U. FL	19,078	670	34	2,416	69	2,500	230	0	0	13,159
39	Harvard U.	18,987	193	517	4,847	0	8,646	242	0	0	4,542
40	VA Polytechnic Institute and State U.	18,776	325	0	5,100	404	2,260	0	0	0	10,687
41	Stevens Institute of Technology	18,196	507	2,973	1,889	1	374	0	0	57	12,395
42	ND State U. all campuses	17,808	0	0	214	0	11,520	0	0	0	6,074
43	U. DE	17,347	306	1,840	201	178	317	0	0	0	14,505
44	FL State U.	17,059	288	1,370	0	301	524	0	0	0	14,576
45	U. CO all campuses	16,841	975	1,129	2,474	240	6,002	1,700	0	481	3,840
46	U. NM main campus	16,751	742	124	1,239	85	7,081	161	453	1,440	5,426
47	Cornell U. all campuses	16,555	4,558	39	3,103	0	552	122	0	0	8,181
48	U. SC all campuses	16,535	335	1,135	15	1,233	1,659	2,617	327	60	9,154
49	Northwestern U.	16,148	0	0	1,932	1,153	5,502	309	0	0	7,252
50	Drexel U.	15,985	2,552	0	369	0	0	0	0	0	13,064
51	CO State U.	15,976	656	9,781	1,535	197	1,000	81	0	0	2,726
52	Georgetown U.	15,860	28	0	15,591	0	241	0	0	0	0
53	U. Miami	14,599	0	9,310	4,242	24	612	0	0	0	411
54	Boston U.	14,267	112	186	1,200	74	1,655	94	0	7,730	3,216
55	U.S. Air Force Academy	13,707	450	0	330	263	2,500	354	694	1,647	7,469
56	U. CA, Riverside	13,413	96	76	109	12	189	0	0	0	12,931
57	LA State U. all campuses	12,773	390	763	4,409	156	2,642	60	250	165	3,938
58	U. MN all campuses	12,422	2,927	201	3,355	122	821	123	0	0	4,873
59	George Mason U.	12,167	3,561	1,985	1,007	1,982	480	347	1,017	0	1,788
60	U. MS all campuses	12,160	2	120	145	0	9,666	0	18	0	2,209
61	Rutgers, The State U. NJ all campuses	12,117	974	3,075	1,869	703	1,835	15	9	0	3,637
62	U. AZ	12,068	79	97	2,780	1,181	1,383	0	70	0	6,478
63	NC State U.	11,814	180	283	571	1,649	1,593	0	0	0	7,538
64	U. Rochester	11,755	387	0	3,264	7	666	243	0	0	7,188
65	U. VA all campuses	11,569	342	76	2,230	0	790	0	0	0	8,131
66	U. TX Health Science Ctr. Houston	11,451	0	0	11,451	0	0	0	0	0	0
67	U. TX M. D. Anderson Cancer Ctr.	11,434	0	0	10,614	362	101	253	104	0	0
68	U. NE all campuses	11,277	1,097	58	4,191	56	1,376	0	0	0	4,499
69	NJ Institute of Technology	11,230	110	0	0	298	5,959	0	5	0	4,858
70	Columbia U. in the City of NY	11,216	1,284	970	7,386	0	165	0	86	9	1,316
71	MI Technological U.	10,494	84	445	20	0	38	0	0	0	9,907
72	OK State U. all campuses	10,248	322	0	275	0	390	0	139	2,013	7,109
73	NM Institute of Mining and Technology	10,049	10	0	64	0	49	0	0	4,154	5,772
74	U. IA	9,946	0	25	3,047	54	1,090	0	0	0	5,730

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
75	Mercer U. all campuses	9,829	0	0	0	0	0	0	0	0	9,829
76	U. WA	9,802	287	1,137	3,124	116	1,636	100	24	0	3,378
77	Rensselaer Polytechnic Institute	9,770	841	0	3	803	1,418	1,380	0	0	5,325
78	Brown U.	9,748	834	32	1,807	1,783	534	0	0	0	4,758
79	OR State U.	9,604	1,586	3,284	1,297	16	3	0	0	744	2,674
80	Old Dominion U.	9,529	109	221	254	60	302	199	1,145	0	7,239
81	IA State U.	9,315	166	29	600	389	586	0	1	0	7,544
82	U. IL Chicago	9,262	307	79	2,495	171	1,713	0	0	970	3,527
83	Desert Research Institute	8,775	0	8,291	484	0	0	0	0	0	0
84	Auburn U. all campuses	8,557	4	7	249	0	1,084	0	0	745	6,468
85	U. MA Lowell	8,539	5	1,878	88	0	6,104	0	0	0	464
86	U. CA, Davis	8,370	21	314	2,295	190	756	0	80	0	4,714
87	MI State U.	8,226	675	0	1,020	121	2,232	545	477	0	3,156
88	U. CA, Irvine	8,048	274	0	4,577	460	351	212	0	0	2,174
89	U. OR	8,043	667	0	2,355	0	2,846	1,277	898	0	0
90	U. TN all campuses	7,965	864	0	2,731	0	306	0	96	234	3,734
91	WA State U.	7,873	0	81	1,700	0	2,910	0	25	0	3,157
92	FL International U.	7,841	27	0	223	0	315	0	590	0	6,686
93	SUNY Stony Brook all campuses	7,719	238	382	1,944	115	2,110	592	0	0	2,338
94	U. AL Birmingham, The	7,550	0	0	4,406	0	197	0	0	0	2,947
95	MT State U. Bozeman	7,472	0	0	1,680	87	3,612	0	0	59	2,034
96	Southwest MO State U.	7,366	0	0	0	0	7,352	14	0	0	0
97	Rice U.	7,353	45	0	134	455	1,038	56	0	0	5,625
98	U. Cincinnati all campuses	7,326	0	0	4,416	33	339	205	0	0	2,333
99	Case Western Reserve U.	7,178	0	51	2,460	0	252	41	0	0	4,374
100	U. MO-Rolla	7,069	0	1,315	0	0	317	0	0	0	5,437
101	U. CT all campuses	7,033	243	58	2,610	93	503	176	0	0	3,350
102	U. Southern MS	7,011	106	4,058	421	0	1,602	48	0	522	254
103	U. ME	6,970	78	1,974	75	15	383	0	0	56	4,389
104	Wright State U. all campuses	6,957	736	100	1,282	37	1,345	548	0	57	2,852
105	U. CA, San Francisco	6,956	0	0	6,694	0	262	0	0	0	0
106	NY U.	6,889	760	0	2,821	1,106	226	0	325	1,651	0
107	Wayne State U.	6,874	1	0	2,381	94	661	0	0	0	3,737
108	U. MA Amherst	6,723	789	0	1,392	0	628	0	0	0	3,914
109	U. UT	6,692	543	7	1,005	9	1,871	25	0	0	3,232
110	Air Force Institute of Technology	6,662	797	15	0	604	2,144	0	0	0	3,102
111	U.S. Naval Academy	6,536	75	25	0	490	1,560	0	261	0	4,125
112	U. of Notre Dame	6,485	514	0	1,261	0	87	0	0	0	4,623

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
113	Clemson U.	6,476	33	0	666	176	91	579	110	0	4,821
114	U. Chicago	6,468	233	0	3,701	269	1,924	4	337	0	0
115	Jackson State U.	6,374	2,875	30	2	0	1,028	0	0	5	2,434
116	IN U. all campuses	6,359	0	0	4,833	300	988	48	0	0	190
117	Boston C.	6,339	0	6,127	0	0	212	0	0	0	0
118	U. TX Southwestern Medical Ctr. Dallas	6,305	0	0	6,305	0	0	0	0	0	0
119	Mt. Sinai School of Medicine	6,189	0	0	6,189	0	0	0	0	0	0
120	CA State U. Long Beach	6,123	56	0	82	0	62	0	0	0	5,923
121	San Diego State U.	6,103	0	0	746	2	93	108	0	0	5,154
122	U. Louisville	6,056	224	0	3,389	0	806	3	0	0	1,634
123	U. MO-Columbia	5,957	103	34	570	91	1,607	46	34	0	3,472
124	U. TX Dallas	5,895	912	42	990	26	1,498	792	239	127	1,269
125	U. KY all campuses	5,835	0	15	1,080	51	257	0	55	100	4,277
126	Rochester Institute of Technology	5,726	28	0	0	0	2,580	0	0	0	3,118
127	FL Atlantic U.	5,701	318	0	151	0	0	0	0	281	4,951
128	New School, The	5,690	5,690	0	0	0	0	0	0	0	0
129	U. RI	5,526	0	3,716	8	0	178	0	0	0	1,624
130	U. AR main campus	5,408	0	189	0	0	2,965	0	8	0	2,246
131	Tulane U.	5,264	0	86	4,526	166	57	0	0	0	429
132	U. TX Arlington	5,213	40	0	0	180	1,605	430	0	0	2,958
133	U. MD Baltimore	5,074	0	0	5,074	0	0	0	0	0	0
134	Northeastern U.	4,982	371	26	42	11	1,010	141	0	0	3,381
135	U. of Medicine and Dentistry NJ	4,918	0	0	4,918	0	0	0	0	0	0
136	Lehigh U.	4,892	105	0	0	0	998	0	0	0	3,789
137	Loma Linda U.	4,885	0	0	4,885	0	0	0	0	0	0
138	Baylor C. of Medicine	4,865	0	0	4,865	0	0	0	0	0	0
139	U. OK all campuses	4,855	19	431	2,363	0	253	834	0	0	955
140	Yale U.	4,808	217	0	1,976	0	540	0	0	0	2,075
141	U. ID	4,802	24	0	795	0	786	0	0	0	3,197
142	C. of William and Mary all campuses	4,739	31	2,712	17	0	920	0	0	1,059	0
143	Washington U. St. Louis	4,704	62	0	3,549	18	103	61	0	0	911
144	OR Health & Science U.	4,691	1,081	0	3,610	0	0	0	0	0	0
145	U.S. Military Academy	4,679	921	5	0	423	278	870	555	0	1,627
146	NC Agricultural and Technical State U.	4,589	214	0	0	0	92	0	0	0	4,283
147	TX Tech U.	4,546	0	1,968	48	21	71	0	0	0	2,438
148	U. ND all campuses	4,490	0	625	295	0	0	0	0	0	3,570
149	CO School of Mines	4,308	0	95	0	0	1,019	0	0	128	3,066
150	Emory U.	4,305	0	0	2,930	85	1,137	85	0	0	68

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
151	Scripps Research Institute, The	4,303	0	0	4,303	0	0	0	0	0	0
152	Southern Methodist U.	4,177	147	2,192	0	199	1,274	0	0	0	365
153	U. CA, Santa Cruz	4,159	25	1,408	0	67	486	0	0	0	2,173
154	Wake Forest U.	3,817	49	0	3,148	214	406	0	0	0	0
155	Medical U. SC	3,767	0	0	3,767	0	0	0	0	0	0
156	SD School of Mines and Technology	3,688	0	248	0	0	182	0	0	0	3,258
157	Worcester Polytechnic Institute	3,572	123	0	681	0	302	0	0	0	2,466
158	U. TX Medical Branch	3,551	0	0	3,368	0	0	0	0	0	183
159	St. Francis U. (Loretto, PA)	3,542	0	0	3,542	0	0	0	0	0	0
160	AR State U. main campus	3,531	0	0	0	0	3,531	0	0	0	0
161	U. NV, Las Vegas	3,531	0	1,470	0	0	642	0	0	0	1,419
162	VA Commonwealth U.	3,526	0	0	2,080	0	217	0	0	0	1,229
163	Northern IL U.	3,510	0	0	1,609	0	0	0	0	0	1,901
164	Brigham Young U. all campuses	3,449	23	0	2	18	246	0	88	0	3,072
165	Dartmouth C.	3,351	202	2	761	74	273	136	0	0	1,903
166	U. NC Charlotte	3,347	305	0	0	103	120	0	0	0	2,819
167	Temple U.	3,293	0	12	1,023	63	1,782	0	0	0	413
168	U. TX San Antonio	3,189	2,516	0	72	0	202	31	0	0	368
169	U. NV, Reno	3,182	249	0	1,824	0	417	0	8	7	677
170	WV U.	2,962	0	241	227	21	524	0	0	0	1,949
171	U. MD Baltimore County	2,944	0	490	251	94	1,019	0	0	0	1,090
172	Marshall U.	2,921	0	0	0	0	0	0	0	0	2,921
173	TX A&M U. Corpus Christi	2,712	0	342	2,370	0	0	0	0	0	0
174	U. KS all campuses	2,679	0	252	1,072	0	484	0	198	0	673
175	U. Memphis, The	2,580	20	0	241	78	14	72	0	0	2,155
176	Yeshiva U.	2,537	0	0	2,537	0	0	0	0	0	0
177	Stephen F. Austin State U.	2,385	0	0	71	0	0	0	0	2,314	0
178	U. North TX	2,369	0	220	140	97	129	0	0	0	1,783
179	FL A&M U.	2,355	0	0	0	0	1,058	0	0	0	1,297
180	U. NC Chapel Hill	2,339	327	558	2	60	77	0	1,315	0	0
181	Syracuse U. all campuses	2,205	790	0	8	90	182	0	0	0	1,135
182	SUNY Binghamton	2,204	160	0	2	0	346	0	0	0	1,696
183	Tufts U.	2,157	251	0	692	54	88	0	0	0	1,072
184	U. NH	2,079	308	195	15	8	111	0	0	34	1,408
185	U. WY	2,047	0	387	713	34	163	0	0	17	733
186	Oakland U.	2,020	0	0	0	0	384	0	0	0	1,636
187	Thomas Jefferson U.	1,938	0	0	1,938	0	0	0	0	0	0
188	Bowling Green State U. all campuses	1,920	0	0	145	26	1,617	132	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
189	U. MT-Missoula, The	1,912	0	0	1,184	7	721	0	0	0	0
190	U. TX El Paso	1,827	195	656	0	92	54	0	12	0	818
191	San Jose State U.	1,815	0	1,007	0	0	0	0	0	0	808
192	Boise State U.	1,778	0	0	357	0	34	0	11	0	1,376
193	ID State U.	1,772	537	0	154	0	1,081	0	0	0	0
194	CUNY The City C.	1,768	89	0	0	150	1,387	0	0	0	142
195	U. TX Health Science Ctr. San Antonio	1,754	0	0	1,754	0	0	0	0	0	0
196	U. Toledo	1,750	0	41	170	0	217	0	0	0	1,322
197	Southern IL U. Carbondale	1,719	14	0	1,333	0	16	1	0	0	355
198	Clarkson U.	1,659	0	0	0	0	864	0	0	0	795
199	U. Houston	1,497	0	0	0	23	164	0	0	0	1,310
200	CA State U. San Bernardino	1,481	0	0	0	0	14	0	0	1,467	0
201	Wichita State U.	1,474	0	0	0	0	25	0	0	0	1,449
202	SUNY Albany	1,467	504	0	761	0	196	0	0	0	6
203	Morgan State U.	1,438	0	0	0	0	13	0	0	0	1,425
204	Lincoln U. (Jefferson City, MO)	1,422	0	311	0	0	0	0	525	586	0
205	Lamar U.	1,362	0	0	0	0	0	0	0	0	1,362
206	Monmouth U.	1,338	1,338	0	0	0	0	0	0	0	0
207	U. VT	1,308	1	49	325	223	118	0	98	0	494
208	U. MA Dartmouth	1,278	87	382	0	38	419	0	0	0	352
209	Kent State U. all campuses	1,258	0	0	35	0	1,223	0	0	0	0
210	Eastern MI U.	1,215	0	0	0	0	0	0	0	0	1,215
211	U. AL, The	1,183	148	0	0	0	322	0	0	0	713
212	Prairie View A&M U.	1,171	12	0	0	57	115	0	0	0	987
213	Kettering U.	1,157	0	0	0	0	0	0	0	0	1,157
214	U. Akron all campuses	1,141	0	0	0	18	706	0	0	0	417
215	OH U. all campuses	1,133	44	0	51	0	247	0	0	0	791
216	Sam Houston State U.	1,109	0	1,109	0	0	0	0	0	0	0
217	U. North FL	1,109	0	1	171	0	937	0	0	0	0
218	U. MD Biotechnology Institute	1,100	0	525	575	0	0	0	0	0	0
219	St. Joseph's U.	1,099	0	0	0	0	0	0	0	1,099	0
220	Lawrence Technological U.	1,089	0	0	0	0	0	0	0	0	1,089
221	Meharry Medical C.	1,083	0	0	1,083	0	0	0	0	0	0
222	TN State U.	1,057	0	0	120	0	0	0	0	0	937
223	U. Redlands	1,053	0	1,053	0	0	0	0	0	0	0
224	TN Technological U.	1,035	0	0	0	0	0	0	0	0	1,035
225	U. MA Worcester	1,012	0	0	1,012	0	0	0	0	0	0
226	Fisk U.	1,000	0	0	0	0	1,000	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
227	Pittsburg State U.	991	0	0	0	0	0	0	0	0	991
228	U. TX-Pan American	976	0	0	224	0	162	0	296	0	294
229	U. GA	960	9	98	565	28	231	0	0	0	29
230	Portland State U.	944	404	0	0	0	174	0	0	0	366
231	FL Institute of Technology	911	312	326	0	3	0	0	0	0	270
232	Polytechnic U.	900	0	0	0	0	900	0	0	0	0
233	George Washington U.	833	0	0	13	0	76	186	199	0	359
234	U. AR for Medical Sciences	801	0	0	801	0	0	0	0	0	0
235	Southern U. and A&M C. all campuses	775	10	398	0	0	252	0	27	0	88
236	Western MI U.	762	0	80	15	0	21	0	0	0	646
237	DE State U.	754	0	0	0	611	0	0	0	0	143
238	TX A&M U. System Health Science Ctr.	750	0	0	750	0	0	0	0	0	0
239	U. Tulsa	721	628	0	0	0	20	34	0	0	39
240	U. WI Milwaukee	707	0	97	2	176	241	0	0	0	191
241	St. Louis U. all campuses	644	0	0	214	0	430	0	0	0	0
242	U. NC Greensboro	627	0	0	627	0	0	0	0	0	0
243	Catholic U. America, The	617	0	0	1	0	384	0	0	0	232
244	CA State U. Los Angeles	611	0	0	0	137	69	171	3	0	231
245	AL A&M U.	603	0	0	79	0	196	0	0	21	307
246	SUNY C. of Environmental Science and Forestry	590	0	352	0	0	238	0	0	0	0
247	St. Mary's U. (San Antonio, TX)	584	0	0	35	0	0	0	0	549	0
248	CUNY Hunter C.	576	0	0	0	0	576	0	0	0	0
249	Loyola U. Chicago	562	0	0	504	0	27	0	31	0	0
250	Appalachian State U.	552	0	0	552	0	0	0	0	0	0
251	Charles R. Drew U. of Medicine and Science	547	0	0	547	0	0	0	0	0	0
252	CA State U. Northridge	543	0	0	0	0	0	0	77	0	466
253	Morehouse C.	504	0	0	183	0	321	0	0	0	0
254	U. MO-Kansas City	500	0	0	480	0	20	0	0	0	0
255	U. MD Ctr. for Environmental Science	499	0	499	0	0	0	0	0	0	0
256	Morehouse School of Medicine	497	0	0	497	0	0	0	0	0	0
257	CUNY John Jay C. of Criminal Justice	492	0	0	0	10	0	0	482	0	0
258	GA State U.	490	0	0	288	0	202	0	0	0	0
259	Ball State U.	485	485	0	0	0	0	0	0	0	0
260	Daemen C.	481	0	0	481	0	0	0	0	0	0
261	Medical C. WI	478	0	0	478	0	0	0	0	0	0
262	East Carolina U.	455	0	3	452	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
263	Western KY U.	455	0	0	0	0	455	0	0	0	0
264	VA State U.	430	425	0	0	0	0	0	0	0	5
265	U. LA Lafayette	422	134	0	90	0	0	0	0	168	30
266	Rose-Hulman Institute of Technology	405	0	0	0	0	405	0	0	0	0
267	SD State U.	396	0	0	0	0	201	0	0	0	195
268	FL Gulf Coast U.	393	0	0	393	0	0	0	0	0	0
269	U. PR Rio Piedras Campus	392	0	0	0	0	392	0	0	0	0
270	Teachers C. Columbia U.	369	0	0	369	0	0	0	0	0	0
271	SUNY C. Geneseo	368	0	0	0	368	0	0	0	0	0
272	U. West FL	367	0	0	0	0	0	0	0	0	367
273	Philadelphia U.	356	0	0	0	0	0	0	0	356	0
274	IL Institute of Technology	352	43	0	0	0	0	10	0	0	299
275	Creighton U.	332	0	0	332	0	0	0	0	0	0
276	LA Tech U.	331	103	0	0	0	40	0	0	0	188
277	Clark Atlanta U.	319	165	0	0	0	82	0	0	0	72
278	Nova Southeastern U.	317	0	0	0	0	0	317	0	0	0
279	NC Central U.	302	0	0	0	0	302	0	0	0	0
280	Norfolk State U.	292	0	0	0	0	111	0	0	0	181
281	Polytechnic U. PR	285	0	0	0	0	0	0	0	0	285
282	U. MA Boston	283	0	145	0	0	66	0	0	0	72
283	Central State U.	280	0	0	0	0	30	0	0	0	250
284	Eastern VA Medical School	277	0	0	277	0	0	0	0	0	0
285	U. SD	276	0	0	276	0	0	0	0	0	0
286	U. Scranton	262	0	0	131	0	131	0	0	0	0
287	MT Tech of the U. MT	261	0	0	0	0	0	0	0	0	261
288	Humboldt State U.	256	0	0	247	0	0	0	9	0	0
289	NY Institute of Technology all campuses	253	0	0	0	0	0	0	0	0	253
290	Brandeis U.	251	244	0	7	0	0	0	0	0	0
291	Duquesne U.	246	0	0	0	0	246	0	0	0	0
292	U. MO-St. Louis	233	0	0	0	180	53	0	0	0	0
293	Marquette U.	225	0	0	0	0	93	0	0	0	132
294	U. North TX Health Science Ctr. Ft. Worth	225	0	0	225	0	0	0	0	0	0
295	Northeastern State U.	219	0	0	219	0	0	0	0	0	0
296	SUNY Upstate Medical U.	207	0	0	207	0	0	0	0	0	0
297	Bowie State U.	198	198	0	0	0	0	0	0	0	0
298	U. Denver	195	0	0	0	0	0	0	0	0	195
299	U. NC Wilmington	192	0	102	90	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
300	Mercy C.	189	0	0	189	0	0	0	0	0	0
301	Tuskegee U.	187	0	0	31	0	0	0	0	0	156
302	Morehead State U.	185	0	0	0	0	0	0	0	0	185
303	Trinity U.	178	0	0	178	0	0	0	0	0	0
304	Sinte Gleska U.	177	0	0	0	0	177	0	0	0	0
305	Rhodes C.	176	0	0	0	0	176	0	0	0	0
306	Baylor U.	170	0	0	0	0	0	0	0	0	170
307	Rush U.	167	0	0	167	0	0	0	0	0	0
308	Albany Medical C.	165	0	0	165	0	0	0	0	0	0
309	Hampton U.	161	0	5	0	27	129	0	0	0	0
310	U. New England	160	0	0	160	0	0	0	0	0	0
311	Colgate U.	155	0	0	0	0	0	0	155	0	0
312	Lewis and Clark C.	155	0	0	155	0	0	0	0	0	0
313	San Francisco State U.	152	0	0	53	0	99	0	0	0	0
314	CUNY C. Staten Island	143	0	0	0	48	60	0	0	0	35
315	U. TX Tyler	143	0	0	4	22	0	0	0	0	117
316	Clark U.	129	0	0	0	0	129	0	0	0	0
317	IL State U.	121	0	0	121	0	0	0	0	0	0
318	Milwaukee School of Engineering	120	0	0	0	0	0	0	0	0	120
319	Xavier U. LA	114	31	0	83	0	0	0	0	0	0
320	Mercyhurst C.	110	0	0	0	0	0	0	110	0	0
321	Franklin & Marshall C.	105	0	105	0	0	0	0	0	0	0
322	Rockefeller U.	96	0	0	92	0	0	0	4	0	0
323	U. PR Humacao	95	0	0	0	0	95	0	0	0	0
324	CUNY Herbert H. Lehman C.	92	0	0	0	51	41	0	0	0	0
325	Pace U. all campuses	88	0	0	0	0	0	0	0	88	0
326	Fayetteville State U.	87	0	0	0	0	64	23	0	0	0
327	Harvey Mudd C.	85	0	0	0	0	0	0	0	0	85
328	Elizabeth City State U.	79	0	0	0	79	0	0	0	0	0
329	U. Southern ME	79	0	20	59	0	0	0	0	0	0
330	U. of the Sciences Philadelphia	78	0	0	78	0	0	0	0	0	0
331	NY Medical C.	75	0	0	75	0	0	0	0	0	0
332	CT C.	72	0	0	0	0	72	0	0	0	0
333	U. CA, Merced	71	0	0	0	0	71	0	0	0	0
334	TX A&M U. Kingsville	70	0	20	24	0	26	0	0	0	0
335	CA State U. Monterey Bay	69	0	69	0	0	0	0	0	0	0
336	Miles C.	68	0	0	0	0	68	0	0	0	0
337	Southern IL U. Edwardsville	64	0	0	64	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
338	CA State Polytechnic U. Pomona	63	0	0	63	0	0	0	0	0	0
339	East TN State U.	61	0	0	61	0	0	0	0	0	0
340	James Madison U.	61	0	0	28	0	0	0	0	0	33
341	U. WI La Crosse	59	0	0	0	24	0	0	18	0	17
342	Northeastern OH Universities C. of Medicine	58	0	0	58	0	0	0	0	0	0
343	Rosalind Franklin U. of Medicine and Science	58	0	0	20	0	0	38	0	0	0
344	Medical C. GA	57	0	0	57	0	0	0	0	0	0
345	TX Tech U. Health Science Ctr.	55	0	0	55	0	0	0	0	0	0
346	U. LA Monroe	55	0	0	55	0	0	0	0	0	0
347	Vassar C.	54	54	0	0	0	0	0	0	0	0
348	TX Woman's U.	53	0	0	0	0	53	0	0	0	0
349	Loyola U. New Orleans	48	0	0	21	0	27	0	0	0	0
350	U. HI Hilo	48	0	0	0	0	48	0	0	0	0
351	U. San Diego	43	0	0	43	0	0	0	0	0	0
352	TX A&M U. Commerce	37	0	0	0	0	0	0	0	0	37
353	GA Southern U.	35	0	0	0	35	0	0	0	0	0
354	Rowan U.	35	0	0	0	0	20	0	0	0	15
355	U.S. Coast Guard Academy	35	0	35	0	0	0	0	0	0	0
356	Spelman C.	32	0	0	28	4	0	0	0	0	0
357	SUNY C. Buffalo	31	0	31	0	0	0	0	0	0	0
358	Millersville U. PA	30	30	0	0	0	0	0	0	0	0
359	U. New Haven	30	0	0	0	0	30	0	0	0	0
360	U. Houston-Downtown	29	0	0	0	29	0	0	0	0	0
361	CUNY Queens C.	28	0	0	0	0	28	0	0	0	0
362	TX Christian U.	25	0	0	0	0	0	0	0	0	25
363	CUNY Brooklyn C.	23	15	0	8	0	0	0	0	0	0
364	WV State U.	23	0	0	0	0	23	0	0	0	0
365	Coastal Carolina U.	20	0	20	0	0	0	0	0	0	0
366	Western Carolina U.	17	0	0	0	0	0	0	17	0	0
367	Hofstra U.	16	0	0	0	0	0	0	0	0	16
368	IN State U. all campuses	16	0	0	0	0	16	0	0	0	0
369	Kansas City U. of Medicine and Biosciences	16	0	0	16	0	0	0	0	0	0
370	U. WI Stevens Point	15	0	0	0	0	15	0	0	0	0
371	C. Charleston	14	7	0	0	7	0	0	0	0	0
372	Amherst C.	13	0	0	0	13	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
373	Indiana U. PA all campuses	13	0	0	0	0	13	0	0	0	0
374	Millsaps C.	12	0	0	0	0	12	0	0	0	0
375	Grambling State U.	9	0	0	0	0	9	0	0	0	0
376	St. Cloud State U.	8	0	8	0	0	0	0	0	0	0
377	Hamilton C. (Clinton, NY)	5	0	0	0	0	5	0	0	0	0
378	U. PR Medical Sciences Campus	5	0	0	5	0	0	0	0	0	0
379	Christopher Newport U.	4	0	0	4	0	0	0	0	0	0
380	Central MI U.	2	0	0	0	0	2	0	0	0	0
381	St. Mary's C. MD	2	0	0	0	0	2	0	0	0	0
382	Albany C. of Pharmacy	1	0	0	1	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0
	Adelphi U.	0	0	0	0	0	0	0	0	0	0
	AL State U.	0	0	0	0	0	0	0	0	0	0
	Albany State U.	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0
	Alfred U. all campuses	0	0	0	0	0	0	0	0	0	0
	Allegheny C.	0	0	0	0	0	0	0	0	0	0
	American U.	0	0	0	0	0	0	0	0	0	0
	Andrews U.	0	0	0	0	0	0	0	0	0	0
	Angelo State U.	0	0	0	0	0	0	0	0	0	0
	Augsburg C.	0	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0	0	0	0	0
	Barnard C.	0	0	0	0	0	0	0	0	0	0
	Bates C.	0	0	0	0	0	0	0	0	0	0
	Benedict C.	0	0	0	0	0	0	0	0	0	0
	Black Hills State U.	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Bowdoin C.	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0
	Bryn Mawr C.	0	0	0	0	0	0	0	0	0	0
	Bucknell U.	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. San Luis Obispo	0	0	0	0	0	0	0	0	0	0
	CA State U. Bakersfield	0	0	0	0	0	0	0	0	0	0
	CA State U. Dominguez Hills	0	0	0	0	0	0	0	0	0	0
	CA State U. East Bay	0	0	0	0	0	0	0	0	0	0
	CA State U. Fresno	0	0	0	0	0	0	0	0	0	0
	CA State U. Fullerton	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	CA State U. Sacramento	0	0	0	0	0	0	0	0	0	0
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Canisius C.	0	0	0	0	0	0	0	0	0	0
	Carleton C.	0	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0	0	0	0	0
	Central CT State U.	0	0	0	0	0	0	0	0	0	0
	Central WA U.	0	0	0	0	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0
	Cleveland State U.	0	0	0	0	0	0	0	0	0	0
	Coe C.	0	0	0	0	0	0	0	0	0	0
	Colby C.	0	0	0	0	0	0	0	0	0	0
	C. of the Holy Cross	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	C. Wooster	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	CUNY Baruch C.	0	0	0	0	0	0	0	0	0	0
	CUNY Graduate Ctr.	0	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0
	Davidson C.	0	0	0	0	0	0	0	0	0	0
	Denison U.	0	0	0	0	0	0	0	0	0	0
	DePaul U.	0	0	0	0	0	0	0	0	0	0
	Des Moines U.	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Dillard U.	0	0	0	0	0	0	0	0	0	0
	Dowling C.	0	0	0	0	0	0	0	0	0	0
	Drake U.	0	0	0	0	0	0	0	0	0	0
	Eastern IL U.	0	0	0	0	0	0	0	0	0	0
	Eastern KY U.	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0	0	0	0	0
	Fairfield U.	0	0	0	0	0	0	0	0	0	0
	Fordham U.	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Ft. Lewis C.	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	0	0	0	0	0	0	0	0	0	0
	Furman U.	0	0	0	0	0	0	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0	0	0	0	0
	Gettysburg C.	0	0	0	0	0	0	0	0	0	0
	Goucher C.	0	0	0	0	0	0	0	0	0	0
	Governors State U.	0	0	0	0	0	0	0	0	0	0
	Grand Valley State U.	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0	0	0	0	0
	Hampshire C.	0	0	0	0	0	0	0	0	0	0
	Hendrix C.	0	0	0	0	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	0	0	0	0	0	0	0	0	0	0
	Hobart and William Smith Colleges	0	0	0	0	0	0	0	0	0	0
	Hope C.	0	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Ithaca C.	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	Juniata C.	0	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0	0	0	0	0
	Kennesaw State U.	0	0	0	0	0	0	0	0	0	0
	KY State U.	0	0	0	0	0	0	0	0	0	0
	La Salle U.	0	0	0	0	0	0	0	0	0	0
	Lafayette C.	0	0	0	0	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0
	Lawrence U.	0	0	0	0	0	0	0	0	0	0
	LeTourneau U.	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0
	Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Middle TN State U.	0	0	0	0	0	0	0	0	0	0
	Middlebury C.	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	MN State U. Mankato	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0
	MT State U. Billings	0	0	0	0	0	0	0	0	0	0
	Mt. Holyoke C.	0	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0
	Murray State U.	0	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0
	NM Highlands U.	0	0	0	0	0	0	0	0	0	0
	Nicholls State U.	0	0	0	0	0	0	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0	0	0	0	0
	Northern AZ U.	0	0	0	0	0	0	0	0	0	0
	Northern KY U.	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	0	0	0	0	0	0	0	0	0
	Oglala Lakota C.	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	OR Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Pacific Lutheran U.	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Pitzer C.	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0
	Pomona C.	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0
	Roger Williams U. Bristol	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Sarah Lawrence C.	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	0	0	0	0	0	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0	0	0	0	0
	Shaw U.	0	0	0	0	0	0	0	0	0	0
	Simmons C.	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Smith C.	0	0	0	0	0	0	0	0	0	0
	Sonoma State U.	0	0	0	0	0	0	0	0	0	0
	Southeastern LA U.	0	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0	0	0	0	0
	Southern OR U.	0	0	0	0	0	0	0	0	0	0
	Southern Polytechnic State U.	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	St. John's U. (Jamaica, NY)	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	0	0	0	0	0	0	0	0	0	0
	SUNY C. Cortland	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0
	SUNY C. Old Westbury	0	0	0	0	0	0	0	0	0	0
	SUNY C. Oswego	0	0	0	0	0	0	0	0	0	0
	SUNY C. Plattsburgh	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	0	0	0	0	0	0	0	0	0	0
	Swarthmore C.	0	0	0	0	0	0	0	0	0	0
	Sweet Briar C.	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	0	0	0	0	0	0	0	0	0
	TX Southern U.	0	0	0	0	0	0	0	0	0	0
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0
	Tougaloo C.	0	0	0	0	0	0	0	0	0	0
	Towson U.	0	0	0	0	0	0	0	0	0	0
	Trinity C. (Hartford, CT)	0	0	0	0	0	0	0	0	0	0
	Troy U. main campus	0	0	0	0	0	0	0	0	0	0
	Truman State U.	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Universidad del Turabo	0	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	0	0	0	0	0	0	0	0	0	0
	U. DC	0	0	0	0	0	0	0	0	0	0
	U. AR Pine Bluff	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	0	0	0	0	0	0	0	0	0	0
	U. Central AR	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0
	U. GU	0	0	0	0	0	0	0	0	0	0
	U. Hartford	0	0	0	0	0	0	0	0	0	0
	U. Houston-Clear Lake	0	0	0	0	0	0	0	0	0	0
	U. IL Springfield	0	0	0	0	0	0	0	0	0	0
	U. MD Eastern Shore	0	0	0	0	0	0	0	0	0	0
	U. NC Asheville	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	0	0	0	0	0	0	0	0	0	0
	U. Northern CO	0	0	0	0	0	0	0	0	0	0
	U. Northern IA	0	0	0	0	0	0	0	0	0	0
	U. Portland	0	0	0	0	0	0	0	0	0	0
	U. Puget Sound	0	0	0	0	0	0	0	0	0	0
	U. Richmond	0	0	0	0	0	0	0	0	0	0
	U. San Francisco	0	0	0	0	0	0	0	0	0	0
	U. South AL	0	0	0	0	0	0	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0	0	0	0	0
	U. TX of the Permian Basin	0	0	0	0	0	0	0	0	0	0
	U. West GA	0	0	0	0	0	0	0	0	0	0
	U. WI Eau Claire	0	0	0	0	0	0	0	0	0	0
	U. WI Green Bay	0	0	0	0	0	0	0	0	0	0
	U. WI Oshkosh	0	0	0	0	0	0	0	0	0	0
	U. WI Parkside	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0	0	0	0	0
	U. WI Stout	0	0	0	0	0	0	0	0	0	0
	U. WI Superior	0	0	0	0	0	0	0	0	0	0
	U. WI Whitewater	0	0	0	0	0	0	0	0	0	0
	U. of the Pacific	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0
	U. of the VI	0	0	0	0	0	0	0	0	0	0
	Ursinus C.	0	0	0	0	0	0	0	0	0	0

TABLE 74. Federally financed R&D expenditures at universities and colleges, financed by the Department of Defense, ranked by DOD R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOD R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Valparaiso U.	0	0	0	0	0	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	Wellesley C.	0	0	0	0	0	0	0	0	0	0
	Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	West Chester U. PA	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	0	0	0	0	0	0	0	0	0	0
	West TX A&M U.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Western CT State U.	0	0	0	0	0	0	0	0	0	0
	Western IL U.	0	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Western WA U.	0	0	0	0	0	0	0	0	0	0
	Wheeling Jesuit U.	0	0	0	0	0	0	0	0	0	0
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Wilberforce U.	0	0	0	0	0	0	0	0	0	0
	Wilkes U.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Winona State U.	0	0	0	0	0	0	0	0	0	0
	Youngstown State U.	0	0	0	0	0	0	0	0	0	0

DOD = Department of Defense; nec = not elsewhere classified.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	1,114,913	35,565	93,892	140,452	14,229	388,633	6,308	15,067	13,618	407,149
1	U. Rochester	74,673	0	21	10	0	4,136	0	0	0	70,506
2	MA Institute of Technology	64,349	298	1,848	406	256	46,845	0	7	368	14,321
3	U. NV, Las Vegas	33,066	1,529	12,735	860	0	5,976	0	197	0	11,769
4	U. WI Madison	30,963	1,537	1,726	1,447	800	12,326	0	0	0	13,127
5	Stanford U.	28,102	696	1,407	14,574	0	2,720	0	93	0	8,612
6	U. TN all campuses	25,768	2,460	594	3,682	145	7,674	0	241	780	10,192
7	U. IL Urbana-Champaign	25,528	5,541	2,841	1,676	9	7,190	21	0	22	8,228
8	U. NV, Reno	20,909	0	2,742	928	0	8,565	0	59	1,758	6,857
9	U. CA, Los Angeles	19,142	0	262	4,787	172	8,193	0	0	0	5,728
10	MS State U.	18,986	177	380	5,014	2	1,309	0	270	0	11,834
11	U. WA	17,801	0	1,429	3,622	71	8,293	0	0	0	4,386
12	U. MI all campuses	16,796	486	582	1,311	84	4,915	0	0	0	9,418
13	CA Institute of Technology	16,087	394	427	645	113	10,482	0	0	0	4,026
14	U. TX Austin	16,049	0	2,215	206	1,199	8,854	0	111	0	3,464
15	PA State U. all campuses	15,552	61	2,631	1,409	7	2,172	0	0	0	9,272
16	TX A&M U.	14,903	407	474	962	113	4,992	0	188	0	7,767
17	U. UT	14,479	2,209	278	1,114	0	2,539	34	0	0	8,305
18	U. ND all campuses	13,821	0	54	0	0	157	0	0	0	13,610
19	U. CA, San Diego	12,874	1,101	1,249	103	223	7,583	0	187	180	2,248
20	GA Institute of Technology all campuses	12,518	561	460	373	79	2,143	0	179	34	8,689
21	MI State U.	12,439	0	190	5,882	0	4,734	0	0	0	1,633
22	Harvard U.	11,986	0	1,892	4,505	0	4,827	0	124	0	638
23	OH State U. all campuses	11,688	732	0	2,561	47	5,568	0	1,084	0	1,696
24	WV U.	11,626	0	2,730	1,000	53	743	0	104	9	6,987
25	U. GA	10,995	0	44	9,299	0	991	0	24	0	637
26	Princeton U.	10,346	0	521	383	264	4,917	0	0	0	4,261
27	U. NM main campus	10,268	775	125	2,531	199	2,004	441	431	0	3,762
28	Yale U.	9,918	0	396	834	0	7,806	0	15	0	867
29	U. FL	9,638	116	0	1,502	0	3,639	0	0	0	4,381
30	Duke U.	9,156	0	1,904	939	0	5,825	0	0	0	488
31	U. MD College Park	9,001	996	501	63	677	4,454	0	41	0	2,269
32	U. CA, Davis	8,988	372	518	1,268	273	3,126	0	0	0	3,431
33	U. Chicago	8,940	486	1,023	745	48	6,638	0	0	0	0
34	Desert Research Institute	8,440	0	8,094	0	0	0	0	346	0	0
35	U. PA	8,195	0	0	646	10	5,734	0	0	0	1,805
36	U. of Notre Dame	8,122	138	0	849	6	522	0	0	4,211	2,396
37	U. Southern CA	7,968	2,029	818	3,354	0	1,175	0	0	0	592

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
38	FL State U.	7,844	57	1,702	68	0	3,587	0	0	0	2,430
39	Northwestern U.	7,773	0	80	178	0	4,635	0	0	0	2,880
40	U. MA Amherst	7,707	0	159	5,520	0	1,171	0	0	0	857
41	Carnegie Mellon U.	7,639	851	36	0	99	1,919	0	134	0	4,600
42	MT State U. Bozeman	7,614	28	495	395	86	1,997	0	125	2,628	1,860
43	CO State U.	7,605	78	2,346	1,957	289	1,688	0	0	0	1,247
44	WA State U.	7,531	0	12	1,882	91	4,610	0	48	0	888
45	U. CA, Irvine	7,461	72	595	636	0	5,424	0	0	0	734
46	U. SC all campuses	7,432	200	1,155	24	0	2,347	0	520	63	3,123
47	U. CA, Santa Barbara	7,386	404	292	85	0	3,140	0	0	0	3,465
48	U. CO all campuses	7,245	379	659	204	336	5,184	0	0	0	483
49	U. MN all campuses	7,214	411	233	1,341	73	3,563	0	85	0	1,508
50	OR State U.	7,173	0	726	2,634	192	214	0	23	0	3,384
51	SUNY Stony Brook all campuses	7,091	43	1,122	33	299	5,157	14	8	0	415
52	NC State U.	7,014	224	0	326	0	2,869	0	0	0	3,595
53	U. CA, Berkeley	6,918	0	997	1,328	134	2,230	0	0	41	2,188
54	Catholic U. America, The	6,908	0	0	0	0	6,882	0	0	0	26
55	NM State U. main campus	6,869	0	0	37	105	783	29	0	36	5,879
56	U. CT all campuses	6,680	0	23	1,262	0	1,200	3,717	46	0	432
57	U. KY all campuses	6,576	0	1,185	435	0	691	0	0	115	4,150
58	Cornell U. all campuses	6,391	102	3	318	81	3,124	0	0	0	2,763
59	MI Technological U.	5,875	0	4,709	0	0	384	0	0	0	782
60	Rensselaer Polytechnic Institute	5,734	150	209	0	291	865	0	0	0	4,219
61	Case Western Reserve U.	5,554	0	266	1,349	0	500	0	0	0	3,439
62	Vanderbilt U.	5,407	0	0	0	0	2,286	0	0	0	3,121
63	CO School of Mines	5,391	0	104	0	0	881	0	0	1,096	3,310
64	U. Central FL	5,382	0	5,000	0	0	28	0	0	0	354
65	U. IL Chicago	5,090	35	341	400	0	1,547	0	0	0	2,767
66	U. of the VI	5,057	0	0	0	0	0	0	5,057	0	0
67	VA Polytechnic Institute and State U.	5,056	142	596	431	0	599	0	0	0	3,288
68	Boston U.	4,899	0	180	106	0	2,824	0	0	246	1,543
69	IA State U.	4,873	0	761	369	0	2,429	0	16	0	1,298
70	IN U. all campuses	4,715	876	613	143	98	2,985	0	0	0	0
71	LA State U. all campuses	4,698	45	624	601	0	1,384	0	0	212	1,832
72	U. NC Chapel Hill	4,444	317	279	899	196	2,753	0	0	0	0
73	U. NE all campuses	4,333	11	597	1,556	0	1,336	0	6	53	774
74	U. KS all campuses	4,245	0	845	132	0	1,371	0	0	0	1,897
75	AZ State U.	4,197	21	74	298	0	1,896	0	47	0	1,861

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
76	Johns Hopkins U., The ^a	4,184	1	895	59	0	1,293	0	0	0	1,936
77	CUNY Queens C.	4,110	0	0	4,106	0	4	0	0	0	0
78	U. DE	4,020	71	360	355	0	1,014	0	0	209	2,011
79	Rutgers, The State U. NJ all campuses	3,955	0	326	380	0	2,491	0	0	0	758
80	U. AZ	3,865	0	0	707	73	2,016	0	8	0	1,061
81	U. VA all campuses	3,840	122	0	133	0	2,955	0	0	0	630
82	U. OR	3,730	876	0	97	0	2,757	0	0	0	0
83	FL International U.	3,677	56	361	1	0	150	0	0	0	3,109
84	Rice U.	3,576	864	23	51	0	1,827	0	0	0	811
85	U. CA, Santa Cruz	3,539	57	292	0	0	2,979	0	0	0	211
86	U. Louisville	3,512	0	0	634	0	353	0	0	0	2,525
87	ID State U.	3,486	0	58	177	0	2,989	0	0	0	262
88	U. AL, The	3,472	0	420	0	0	1,228	0	0	0	1,824
89	NY U.	3,468	187	0	447	2,713	121	0	0	0	0
90	Tulane U.	3,412	0	128	533	0	507	0	902	0	1,342
91	U. CA, Riverside	3,164	0	68	238	0	2,461	0	0	0	397
92	Brown U.	3,055	327	25	40	476	1,757	0	56	0	374
93	U. MO-Rolla	3,055	0	75	0	0	0	0	0	0	2,980
94	Wayne State U.	3,049	0	0	0	0	1,701	0	0	0	1,348
95	U. MO-Columbia	3,025	0	36	1,428	0	770	0	97	0	694
96	U. IA	2,916	0	0	470	0	2,045	0	0	0	401
97	Auburn U. all campuses	2,913	0	57	312	0	1,361	0	0	0	1,183
98	Washington U. St. Louis	2,771	48	0	709	0	1,564	0	0	0	450
99	U. Cincinnati all campuses	2,766	0	0	677	48	885	0	0	0	1,156
100	U. OK all campuses	2,751	0	696	1,188	0	667	0	0	0	200
101	U. Pittsburgh all campuses	2,712	0	0	92	83	1,338	0	0	0	1,199
102	U. HI Manoa	2,606	0	267	80	0	1,980	0	71	208	0
103	U. Houston	2,489	263	298	0	34	1,391	0	0	0	503
104	TX Tech U.	2,477	0	0	231	20	679	0	25	0	1,522
105	U. TX Arlington	2,460	0	0	43	0	1,364	0	0	0	1,053
106	OH U. all campuses	2,371	0	0	0	0	1,204	0	0	0	1,167
107	Lehigh U.	2,331	42	0	0	0	788	0	0	0	1,501
108	Clemson U.	2,218	0	0	90	0	1,034	0	0	0	1,094
109	U. MS all campuses	2,126	0	358	0	0	679	0	0	0	1,089
110	Old Dominion U.	2,006	242	0	0	0	1,478	0	0	0	286
111	Teachers C. Columbia U.	2,002	0	0	239	0	0	296	1,467	0	0
112	Fisk U.	2,000	0	0	0	0	2,000	0	0	0	0
113	U. South FL	1,951	0	287	0	0	258	0	0	0	1,406

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
114	Medical U. SC	1,938	0	0	1,938	0	0	0	0	0	0
115	Western MI U.	1,922	0	577	0	0	1,345	0	0	0	0
116	IL Institute of Technology	1,917	230	0	11	0	1,180	8	0	0	488
117	U. ID	1,901	131	530	155	0	187	0	95	0	803
118	Boise State U.	1,855	0	53	203	0	80	0	339	0	1,180
119	U. Toledo	1,640	0	17	0	0	1,458	0	0	0	165
120	Prairie View A&M U.	1,638	0	0	0	43	1,273	0	0	0	322
121	TN Technological U.	1,628	0	0	0	91	128	0	0	0	1,409
122	Syracuse U. all campuses	1,622	566	0	0	83	567	0	30	0	376
123	Tufts U.	1,586	0	0	4	0	1,153	0	0	0	429
124	OK State U. all campuses	1,530	0	0	262	0	612	0	0	0	656
125	SUNY Buffalo all campuses	1,526	0	480	672	0	230	0	0	0	144
126	U. WY	1,522	0	299	478	0	192	0	0	87	466
127	Emory U.	1,513	0	0	0	292	1,071	0	0	0	150
128	U. MA Boston	1,468	0	0	377	0	0	1,091	0	0	0
129	George Mason U.	1,450	0	0	882	121	126	0	321	0	0
130	Northern AZ U.	1,401	0	0	1,291	0	45	0	0	0	65
131	OR Health & Science U.	1,364	548	0	816	0	0	0	0	0	0
132	MT Tech of the U. MT	1,352	0	313	0	0	16	0	0	0	1,023
133	Wilberforce U.	1,280	1,280	0	0	0	0	0	0	0	0
134	Scripps Research Institute, The	1,279	0	0	1,279	0	0	0	0	0	0
135	Drexel U.	1,271	0	0	515	0	106	0	0	0	650
136	Brigham Young U. all campuses	1,262	0	103	0	0	264	0	0	0	895
137	Central State U.	1,243	30	0	200	0	0	0	0	0	1,013
138	U. Southern MS	1,203	0	0	0	0	1,203	0	0	0	0
139	Hampton U.	1,183	0	0	8	116	731	0	0	0	328
140	Rowan U.	1,172	0	0	0	996	0	126	0	0	50
141	U. NH	1,108	0	716	55	0	337	0	0	0	0
142	Brandeis U.	1,103	0	0	111	0	992	0	0	0	0
143	West TX A&M U.	1,080	0	41	41	0	0	0	0	0	998
144	UT State U.	1,071	0	0	97	0	260	0	197	0	517
145	U. TX Southwestern Medical Ctr. Dallas	1,046	0	0	1,046	0	0	0	0	0	0
146	U. AL Birmingham, The	1,030	4	0	305	0	305	0	0	0	416
147	U. AR main campus	1,027	0	0	79	0	330	0	0	0	618
148	Southern Methodist U.	1,009	0	201	0	0	808	0	0	0	0
149	Stevens Institute of Technology	996	0	0	0	0	571	0	0	29	396
150	U. Akron all campuses	940	0	0	0	0	380	0	0	0	560
151	U. TX El Paso	936	382	61	0	21	267	0	0	0	205

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
152	U. VT	933	0	0	884	0	15	0	0	0	34
153	SUNY Albany	925	0	513	0	0	384	0	28	0	0
154	Dartmouth C.	920	0	102	229	0	4	0	0	0	585
155	U. Tulsa	876	0	25	0	0	235	0	184	0	432
156	U. Dayton	862	0	0	0	0	70	0	0	0	792
157	Temple U.	833	40	0	0	240	553	0	0	0	0
158	Morgan State U.	824	0	0	674	0	0	0	0	0	150
159	C. of William and Mary all campuses	807	14	89	0	0	490	0	0	214	0
160	U. Southern ME	778	0	0	778	0	0	0	0	0	0
161	Portland State U.	721	6	598	0	0	19	0	98	0	0
162	Southern IL U. Carbondale	715	79	0	85	0	424	0	0	24	103
163	SUNY C. of Environmental Science and Forestry	709	0	168	31	0	114	0	0	0	396
164	U. WI Milwaukee	707	0	0	55	17	553	0	0	0	82
165	Creighton U.	705	0	0	423	0	282	0	0	0	0
166	U. MA Lowell	687	0	120	0	0	437	0	0	0	130
167	NM Institute of Mining and Technology	685	0	0	29	0	9	0	0	6	641
168	U. MD Biotechnology Institute	676	0	116	560	0	0	0	0	0	0
169	Kent State U. all campuses	659	0	0	0	0	659	0	0	0	0
170	Rockefeller U.	647	0	0	35	0	612	0	0	0	0
171	Jackson State U.	644	50	0	159	76	0	0	0	287	72
172	Cleveland State U.	635	0	0	31	0	0	0	0	0	604
173	U. CA, Merced	635	0	76	451	0	108	0	0	0	0
174	Woods Hole Oceanographic Institution	631	0	631	0	0	0	0	0	0	0
175	Boston C.	624	0	0	0	0	624	0	0	0	0
176	Clark Atlanta U.	616	0	0	0	0	411	0	0	50	155
177	Rochester Institute of Technology	616	0	0	0	0	336	0	0	0	280
178	Worcester Polytechnic Institute	598	0	0	0	60	0	0	0	0	538
179	Southern IL U. Edwardsville	582	0	0	582	0	0	0	0	0	0
180	U. ME	581	0	47	192	0	0	0	0	0	342
181	Columbia U. in the City of NY	579	0	0	0	0	0	393	186	0	0
182	Northern IL U.	576	0	0	0	0	512	0	64	0	0
183	NC Agricultural and Technical State U.	571	5	0	8	0	129	0	0	0	429
184	U. TX Tyler	566	222	0	0	0	0	0	0	0	344
185	U. AL Huntsville, The	563	0	401	0	4	30	0	4	0	124
186	LA Tech U.	560	105	0	0	0	344	0	0	0	111
187	U. LA Lafayette	552	367	0	0	0	0	0	0	0	185
188	Naval Postgraduate School	525	0	169	0	168	0	0	176	0	12

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
189	Wake Forest U.	523	41	0	482	0	0	0	0	0	0
190	Clarkson U.	493	0	0	0	103	58	0	0	0	332
191	U. Miami	490	0	204	0	0	0	0	0	0	286
192	Ball State U.	487	227	0	260	0	0	0	0	0	0
193	U. TX Dallas	483	75	3	82	2	123	65	19	10	104
194	CUNY Hunter C.	471	0	0	0	0	471	0	0	0	0
195	SUNY Binghamton	467	29	0	38	0	186	0	113	0	101
196	NY Institute of Technology all campuses	466	0	0	0	456	0	0	10	0	0
197	U. CA, San Francisco	464	0	0	270	0	194	0	0	0	0
198	Baylor U.	463	45	32	114	0	272	0	0	0	0
199	SUNY C. Geneseo	449	0	0	0	17	432	0	0	0	0
200	U. MT-Missoula, The	439	0	90	292	0	57	0	0	0	0
201	George Washington U.	438	0	0	27	0	49	0	199	163	0
202	Western KY U.	413	0	0	0	0	413	0	0	0	0
203	GA State U.	412	0	0	0	0	412	0	0	0	0
204	U. NC Charlotte	399	29	0	0	196	21	0	0	0	153
205	CUNY The City C.	394	85	0	0	0	309	0	0	0	0
206	Xavier U. LA	394	0	0	295	0	99	0	0	0	0
207	Northeastern U.	393	0	0	215	0	178	0	0	0	0
208	Wright State U. all campuses	391	56	0	0	0	120	0	0	0	215
209	Southern U. and A&M C. all campuses	378	0	0	0	0	43	0	0	0	335
210	Alfred U. all campuses	369	0	0	0	0	0	0	0	0	369
211	St. Louis U. all campuses	368	0	210	154	0	4	0	0	0	0
212	U. Northern IA	367	0	0	0	0	367	0	0	0	0
213	SD State U.	357	0	25	287	0	0	0	0	0	45
214	Loma Linda U.	356	0	0	356	0	0	0	0	0	0
215	NJ Institute of Technology	343	0	0	0	88	77	0	0	0	178
216	Savannah State U.	343	0	343	0	0	0	0	0	0	0
217	U. MO-Kansas City	341	0	0	0	0	261	0	0	0	80
218	Morehouse C.	333	0	0	0	0	333	0	0	0	0
219	SD School of Mines and Technology	332	0	77	0	0	0	0	0	0	255
220	SUNY Health Science Ctr. Brooklyn	328	0	0	328	0	0	0	0	0	0
221	Medical C. WI	325	0	0	325	0	0	0	0	0	0
222	VA Commonwealth U.	321	0	0	3	0	239	0	0	0	79
223	FL A&M U.	320	0	108	0	0	212	0	0	0	0
224	U. NC Asheville	317	0	76	1	0	0	0	0	169	71
225	U. North TX	314	0	0	149	0	150	0	10	0	5
226	OR Institute of Technology	310	0	0	0	0	0	0	0	0	310

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
227	Yeshiva U.	298	0	0	298	0	0	0	0	0	0
228	Thomas Jefferson U.	279	0	0	279	0	0	0	0	0	0
229	CA State U. Northridge	272	0	0	0	0	272	0	0	0	0
230	James Madison U.	258	0	94	0	62	0	0	0	11	91
231	Universidad del Turabo	256	0	256	0	0	0	0	0	0	0
232	Benedict C.	252	0	0	0	0	0	0	0	0	252
233	U. TX Medical Branch	251	0	0	251	0	0	0	0	0	0
234	U. TX M. D. Anderson Cancer Ctr.	244	0	0	244	0	0	0	0	0	0
235	U. Richmond	233	0	0	0	0	233	0	0	0	0
236	MT State U. Billings	230	0	0	0	0	230	0	0	0	0
237	ND State U. all campuses	214	0	0	66	0	83	0	50	0	15
238	Western Carolina U.	213	0	0	213	0	0	0	0	0	0
239	CA State U. San Bernardino	212	110	0	0	0	0	0	102	0	0
240	Baylor C. of Medicine	210	0	0	210	0	0	0	0	0	0
241	Clark U.	209	0	0	30	0	179	0	0	0	0
242	Valparaiso U.	196	0	0	0	0	196	0	0	0	0
243	Abilene Christian U.	194	0	0	0	0	194	0	0	0	0
244	Medical C. GA	193	0	0	193	0	0	0	0	0	0
245	U. MA Worcester	192	0	0	192	0	0	0	0	0	0
246	San Diego State U.	176	0	5	9	0	75	0	0	0	87
247	IL State U.	175	0	0	175	0	0	0	0	0	0
248	TX A&M U. Kingsville	161	0	119	0	0	42	0	0	0	0
249	American U.	151	0	0	0	0	0	0	151	0	0
250	Tuskegee U.	147	0	0	0	0	104	0	0	0	43
251	Troy U. main campus	145	0	0	0	0	145	0	0	0	0
252	TX A&M U. Commerce	144	0	0	0	0	144	0	0	0	0
253	C. Charleston	136	0	0	136	0	0	0	0	0	0
254	St. Francis U. (Loretto, PA)	135	0	135	0	0	0	0	0	0	0
255	Norfolk State U.	134	0	0	0	0	0	0	0	0	134
256	U. PR Rio Piedras Campus	134	0	0	13	0	121	0	0	0	0
257	San Jose State U.	133	0	0	0	0	0	0	0	133	0
258	Swarthmore C.	132	0	0	0	0	132	0	0	0	0
259	Hobart and William Smith Colleges	128	0	0	0	0	0	0	128	0	0
260	San Francisco State U.	122	0	33	0	0	89	0	0	0	0
261	Nicholls State U.	121	0	0	0	0	0	0	0	0	121
262	SUNY C. Buffalo	119	0	0	0	0	119	0	0	0	0
263	U. MD Baltimore County	118	0	80	0	0	0	0	33	0	5
264	NC Central U.	115	0	0	0	0	115	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
265	Kettering U.	110	0	0	0	0	0	0	0	0	110
266	AL A&M U.	106	0	0	55	0	51	0	0	0	0
267	U. TX San Antonio	104	0	72	0	0	32	0	0	0	0
268	Loyola Marymount U.	100	0	0	0	0	0	0	0	0	100
269	Coe C.	96	0	0	50	0	46	0	0	0	0
270	Southwest MO State U.	95	0	0	0	95	0	0	0	0	0
271	Bradley U.	93	0	0	73	0	0	0	0	0	20
272	East Carolina U.	93	0	29	0	0	28	0	0	36	0
273	New England C. of Optometry	90	0	0	90	0	0	0	0	0	0
274	U. RI	89	0	6	1	0	0	2	0	0	80
275	Marquette U.	88	0	0	78	0	0	0	0	0	10
276	CA State U. East Bay	81	0	0	0	81	0	0	0	0	0
277	Carleton C.	81	0	0	0	0	0	0	81	0	0
278	Mt. Holyoke C.	81	0	0	0	0	81	0	0	0	0
279	Union C. (Schenectady, NY)	81	0	0	0	0	81	0	0	0	0
280	U. WI Stevens Point	77	0	24	0	0	53	0	0	0	0
281	U. HI Hilo	74	0	74	0	0	0	0	0	0	0
282	CA State U. Fullerton	70	0	0	0	0	70	0	0	0	0
283	U. North FL	70	0	0	0	0	0	70	0	0	0
284	SUNY C. Old Westbury	68	0	0	0	0	68	0	0	0	0
285	SUNY C. Plattsburgh	66	0	66	0	0	0	0	0	0	0
286	VA State U.	66	0	0	0	9	0	0	0	0	57
287	Towson U.	64	0	0	0	0	64	0	0	0	0
288	Duquesne U.	62	0	0	52	0	10	0	0	0	0
289	Lincoln U. (Jefferson City, MO)	60	0	0	0	0	0	0	0	60	0
290	Wichita State U.	59	0	14	0	0	0	0	0	0	45
291	Elizabeth City State U.	57	0	57	0	0	0	0	0	0	0
292	TN State U.	57	0	0	0	0	10	0	0	0	47
293	CA State U. Long Beach	56	0	0	0	56	0	0	0	0	0
294	Georgetown U.	56	0	0	0	53	3	0	0	0	0
295	U. San Diego	55	0	0	0	0	55	0	0	0	0
296	Hamilton C. (Clinton, NY)	53	0	0	0	0	46	0	7	0	0
297	Middle TN State U.	49	33	0	0	0	16	0	0	0	0
298	CUNY Herbert H. Lehman C.	48	0	0	0	0	48	0	0	0	0
299	TX Southern U.	48	0	0	0	0	48	0	0	0	0
300	CA State U. Los Angeles	47	0	0	0	0	47	0	0	0	0
301	Christopher Newport U.	46	0	0	10	0	36	0	0	0	0
302	MN State U. Mankato	46	0	0	0	0	0	0	0	46	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
303	U. MD Eastern Shore	45	0	45	0	0	0	0	0	0	0
304	Reed C.	43	0	0	0	0	43	0	0	0	0
305	Oakland U.	42	0	0	0	0	0	0	0	0	42
306	DePaul U.	41	23	0	0	0	0	0	0	18	0
307	Southeastern LA U.	39	0	0	0	0	39	0	0	0	0
308	Central MI U.	35	0	0	0	0	35	0	0	0	0
309	Bowling Green State U. all campuses	33	0	0	0	0	33	0	0	0	0
310	Occidental C.	33	0	0	0	0	33	0	0	0	0
311	U.S. Coast Guard Academy	30	0	0	0	0	30	0	0	0	0
312	Western IL U.	30	0	0	0	0	30	0	0	0	0
313	U. Memphis, The	29	29	0	0	0	0	0	0	0	0
314	Humboldt State U.	22	0	0	0	0	0	0	0	0	22
315	Dowling C.	17	17	0	0	0	0	0	0	0	0
316	Air Force Institute of Technology	16	0	0	0	16	0	0	0	0	0
317	U. of Medicine and Dentistry NJ	13	0	0	13	0	0	0	0	0	0
318	U. TX of the Permian Basin	12	0	0	0	0	7	0	0	5	0
319	Lincoln U. (Lincoln University, PA)	11	0	0	11	0	0	0	0	0	0
320	Loyola U. Chicago	11	0	0	11	0	0	0	0	0	0
321	Stephen F. Austin State U.	10	0	10	0	0	0	0	0	0	0
322	Youngstown State U.	10	0	0	8	0	2	0	0	0	0
323	IN State U. all campuses	9	0	0	0	0	9	0	0	0	0
324	U. Hartford	9	0	0	0	0	0	0	0	0	9
325	Juniata C.	8	0	0	0	0	8	0	0	0	0
326	Eastern VA Medical School	7	0	0	7	0	0	0	0	0	0
327	Furman U.	7	0	0	7	0	0	0	0	0	0
328	Bowdoin C.	6	0	0	0	0	6	0	0	0	0
329	U. Puget Sound	6	0	0	6	0	0	0	0	0	0
330	U. TX Health Science Ctr. Houston	5	0	0	5	0	0	0	0	0	0
331	Dickinson C.	4	4	0	0	0	0	0	0	0	0
332	Coastal Carolina U.	3	0	0	0	0	3	0	0	0	0
333	U. SD	2	0	0	2	0	0	0	0	0	0
334	Fordham U.	1	0	0	0	0	0	1	0	0	0
335	Murray State U.	1	0	0	0	0	0	0	0	0	1
336	Pace U. all campuses	1	0	0	0	0	0	0	0	1	0
337	U. Denver	1	0	0	1	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Adelphi U.	0	0	0	0	0	0	0	0	0	0
	AL State U.	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0
	Albany State U.	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0
	Allegheny C.	0	0	0	0	0	0	0	0	0	0
	Amherst C.	0	0	0	0	0	0	0	0	0	0
	Andrews U.	0	0	0	0	0	0	0	0	0	0
	Angelo State U.	0	0	0	0	0	0	0	0	0	0
	Appalachian State U.	0	0	0	0	0	0	0	0	0	0
	AR State U. main campus	0	0	0	0	0	0	0	0	0	0
	Augsburg C.	0	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0	0	0	0	0
	Barnard C.	0	0	0	0	0	0	0	0	0	0
	Bates C.	0	0	0	0	0	0	0	0	0	0
	Black Hills State U.	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Bowie State U.	0	0	0	0	0	0	0	0	0	0
	Bryn Mawr C.	0	0	0	0	0	0	0	0	0	0
	Bucknell U.	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. Pomona	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. San Luis Obispo	0	0	0	0	0	0	0	0	0	0
	CA State U. Bakersfield	0	0	0	0	0	0	0	0	0	0
	CA State U. Dominguez Hills	0	0	0	0	0	0	0	0	0	0
	CA State U. Fresno	0	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	0	0	0	0	0	0	0	0	0	0
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Canisius C.	0	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0	0	0	0	0
	Central CT State U.	0	0	0	0	0	0	0	0	0	0
	Central WA U.	0	0	0	0	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0
	Colby C.	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Colgate U.	0	0	0	0	0	0	0	0	0	0
	C. of the Holy Cross	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	C. Wooster	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0	0	0	0	0
	CT C.	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	CUNY Baruch C.	0	0	0	0	0	0	0	0	0	0
	CUNY Brooklyn C.	0	0	0	0	0	0	0	0	0	0
	CUNY C. Staten Island	0	0	0	0	0	0	0	0	0	0
	CUNY Graduate Ctr.	0	0	0	0	0	0	0	0	0	0
	CUNY John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0
	Daemen C.	0	0	0	0	0	0	0	0	0	0
	Davidson C.	0	0	0	0	0	0	0	0	0	0
	DE State U.	0	0	0	0	0	0	0	0	0	0
	Denison U.	0	0	0	0	0	0	0	0	0	0
	Des Moines U.	0	0	0	0	0	0	0	0	0	0
	Dillard U.	0	0	0	0	0	0	0	0	0	0
	Drake U.	0	0	0	0	0	0	0	0	0	0
	East TN State U.	0	0	0	0	0	0	0	0	0	0
	Eastern IL U.	0	0	0	0	0	0	0	0	0	0
	Eastern KY U.	0	0	0	0	0	0	0	0	0	0
	Eastern MI U.	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0	0	0	0	0
	Fairfield U.	0	0	0	0	0	0	0	0	0	0
	Fayetteville State U.	0	0	0	0	0	0	0	0	0	0
	FL Atlantic U.	0	0	0	0	0	0	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0	0	0	0	0
	FL Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0
	Franklin & Marshall C.	0	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	0	0	0	0	0	0	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	GA Southern U.	0	0	0	0	0	0	0	0	0	0
	Gettysburg C.	0	0	0	0	0	0	0	0	0	0
	Goucher C.	0	0	0	0	0	0	0	0	0	0
	Governors State U.	0	0	0	0	0	0	0	0	0	0
	Grambling State U.	0	0	0	0	0	0	0	0	0	0
	Grand Valley State U.	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0	0	0	0	0
	Hampshire C.	0	0	0	0	0	0	0	0	0	0
	Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0
	Hendrix C.	0	0	0	0	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	0	0	0	0	0	0	0	0	0	0
	Hofstra U.	0	0	0	0	0	0	0	0	0	0
	Hope C.	0	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Indiana U. PA all campuses	0	0	0	0	0	0	0	0	0	0
	Ithaca C.	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0	0	0	0	0
	Kennesaw State U.	0	0	0	0	0	0	0	0	0	0
	KY State U.	0	0	0	0	0	0	0	0	0	0
	La Salle U.	0	0	0	0	0	0	0	0	0	0
	Lafayette C.	0	0	0	0	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0	0	0	0	0
	Lamar U.	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0
	Lawrence U.	0	0	0	0	0	0	0	0	0	0
	LeTourneau U.	0	0	0	0	0	0	0	0	0	0
	Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	Marshall U.	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	0	0	0	0	0	0	0	0	0	0
	Mercer U. all campuses	0	0	0	0	0	0	0	0	0	0
	Mercy C.	0	0	0	0	0	0	0	0	0	0
	Mercyhurst C.	0	0	0	0	0	0	0	0	0	0
	Middlebury C.	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	Miles C.	0	0	0	0	0	0	0	0	0	0
	Millersville U. PA	0	0	0	0	0	0	0	0	0	0
	Millsaps C.	0	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	0	0	0	0	0	0	0	0	0
	Morehead State U.	0	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	0	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	0	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	NM Highlands U.	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0
	NY Medical C.	0	0	0	0	0	0	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	0	0	0	0	0	0	0	0	0	0
	Northeastern State U.	0	0	0	0	0	0	0	0	0	0
	Northern KY U.	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	Nova Southeastern U.	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0
	Oglala Lakota C.	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Pacific Lutheran U.	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Philadelphia U.	0	0	0	0	0	0	0	0	0	0
	Pittsburg State U.	0	0	0	0	0	0	0	0	0	0
	Pitzer C.	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	0	0	0	0	0	0	0	0	0	0
	Pomona C.	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0	0	0	0	0
	Rhodes C.	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0
	Roger Williams U. Bristol	0	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Rose-Hulman Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Rush U.	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0
	Sam Houston State U.	0	0	0	0	0	0	0	0	0	0
	Sarah Lawrence C.	0	0	0	0	0	0	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0	0	0	0	0
	Shaw U.	0	0	0	0	0	0	0	0	0	0
	Simmons C.	0	0	0	0	0	0	0	0	0	0
	Sinte Gleska U.	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Smith C.	0	0	0	0	0	0	0	0	0	0
	Sonoma State U.	0	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0	0	0	0	0
	Southern OR U.	0	0	0	0	0	0	0	0	0	0
	Southern Polytechnic State U.	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	Spelman C.	0	0	0	0	0	0	0	0	0	0
	St. Cloud State U.	0	0	0	0	0	0	0	0	0	0
	St. John's U. (Jamaica, NY)	0	0	0	0	0	0	0	0	0	0
	St. Joseph's U.	0	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	0	0	0	0	0	0	0	0	0	0
	SUNY C. Cortland	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0
	SUNY C. Oswego	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	0	0	0	0	0	0	0	0	0	0
	Sweet Briar C.	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	0	0	0	0	0	0	0	0	0
	TX A&M U. Corpus Christi	0	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	0	0	0	0	0	0	0	0	0	0
	TX Christian U.	0	0	0	0	0	0	0	0	0	0
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	0	0	0	0	0	0	0	0	0	0
	TX Woman's U.	0	0	0	0	0	0	0	0	0	0
	Tougaloo C.	0	0	0	0	0	0	0	0	0	0
	Trinity C. (Hartford, CT)	0	0	0	0	0	0	0	0	0	0
	Trinity U.	0	0	0	0	0	0	0	0	0	0
	Truman State U.	0	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0
	U.S. Air Force Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Military Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	0	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	0	0	0	0	0	0	0	0	0	0
	U. DC	0	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	0	0	0	0	0	0	0	0	0	0
	U. AR Pine Bluff	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	0	0	0	0	0	0	0	0	0	0
	U. Central AR	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0
	U. GU	0	0	0	0	0	0	0	0	0	0
	U. Houston-Clear Lake	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	U. Houston-Downtown	0	0	0	0	0	0	0	0	0	0
	U. IL Springfield	0	0	0	0	0	0	0	0	0	0
	U. LA Monroe	0	0	0	0	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	0	0	0	0	0	0	0	0	0	0
	U. MA Dartmouth	0	0	0	0	0	0	0	0	0	0
	U. MO-St. Louis	0	0	0	0	0	0	0	0	0	0
	U. New England	0	0	0	0	0	0	0	0	0	0
	U. New Haven	0	0	0	0	0	0	0	0	0	0
	U. NC Greensboro	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	0	0	0	0	0	0	0	0	0	0
	U. NC Wilmington	0	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	0	0	0	0	0	0	0	0	0	0
	U. Northern CO	0	0	0	0	0	0	0	0	0	0
	U. Portland	0	0	0	0	0	0	0	0	0	0
	U. PR Humacao	0	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	0	0	0	0	0	0	0	0	0	0
	U. Redlands	0	0	0	0	0	0	0	0	0	0
	U. San Francisco	0	0	0	0	0	0	0	0	0	0
	U. Scranton	0	0	0	0	0	0	0	0	0	0
	U. South AL	0	0	0	0	0	0	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	0	0	0	0	0	0	0	0	0	0
	U. TX-Pan American	0	0	0	0	0	0	0	0	0	0
	U. West FL	0	0	0	0	0	0	0	0	0	0
	U. West GA	0	0	0	0	0	0	0	0	0	0
	U. WI Eau Claire	0	0	0	0	0	0	0	0	0	0
	U. WI Green Bay	0	0	0	0	0	0	0	0	0	0
	U. WI La Crosse	0	0	0	0	0	0	0	0	0	0
	U. WI Oshkosh	0	0	0	0	0	0	0	0	0	0
	U. WI Parkside	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0	0	0	0	0
	U. WI Stout	0	0	0	0	0	0	0	0	0	0
	U. WI Superior	0	0	0	0	0	0	0	0	0	0
	U. WI Whitewater	0	0	0	0	0	0	0	0	0	0
	U. of the Pacific	0	0	0	0	0	0	0	0	0	0

TABLE 75. Federally financed R&D expenditures at universities and colleges, financed by the Department of Energy, ranked by DOE R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	DOE R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0
	Ursinus C.	0	0	0	0	0	0	0	0	0	0
	Vassar C.	0	0	0	0	0	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	Wellesley C.	0	0	0	0	0	0	0	0	0	0
	Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	West Chester U. PA	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	WV State U.	0	0	0	0	0	0	0	0	0	0
	Western CT State U.	0	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Western WA U.	0	0	0	0	0	0	0	0	0	0
	Wheeling Jesuit U.	0	0	0	0	0	0	0	0	0	0
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Wilkes U.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Winona State U.	0	0	0	0	0	0	0	0	0	0

DOE = Department of Energy; nec = not elsewhere classified.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	17,064,754	54,223	59,039	15,179,338	85,329	475,128	437,146	298,126	77,380	398,189
1	Johns Hopkins U., The ^a	548,622	23	14,789	503,166	58	4,530	5,496	1,773	437	18,350
2	U. CA, San Francisco	451,929	0	0	436,924	0	15,005	0	0	0	0
3	U. WA	419,248	0	2,179	384,085	589	6,670	7,932	2,781	0	15,012
4	U. MI all campuses	400,539	1,535	0	327,686	555	8,662	5,369	44,661	28	12,043
5	Duke U.	394,165	549	2,464	356,765	1,169	2,917	1,795	14,532	0	13,974
6	U. PA	388,015	7	3	355,958	0	8,394	4,860	7,491	4,394	6,908
7	Washington U. St. Louis	378,350	452	0	361,041	119	4,356	3,448	3,140	0	5,794
8	U. CA, Los Angeles	369,171	172	0	344,424	201	10,068	7,639	3,069	1,617	1,981
9	U. Pittsburgh all campuses	348,318	419	0	330,828	683	5,725	5,065	1,302	312	3,984
10	Stanford U.	331,107	491	213	292,145	1,262	15,181	5,980	301	0	15,534
11	Yale U.	309,308	448	347	300,631	0	4,028	3,059	76	0	719
12	Harvard U.	305,339	0	9,388	263,058	1,519	21,764	4,877	2,285	0	2,448
13	Columbia U. in the City of NY	300,407	103	1,601	275,177	120	2,909	2,648	7,553	0	10,296
14	U. CA, San Diego	295,802	2,750	2,163	259,630	0	16,890	4,541	1,830	379	7,619
15	Case Western Reserve U.	271,136	0	210	254,607	172	2,765	1,055	3,426	0	8,901
16	U. NC Chapel Hill	265,944	2,723	6,078	227,483	131	7,163	4,622	17,744	0	0
17	Vanderbilt U.	261,073	0	0	241,437	165	6,345	7,842	1,206	1,217	2,861
18	U. WI Madison	259,064	465	19	221,414	625	4,864	6,438	14,679	0	10,560
19	Emory U.	246,416	0	0	230,356	0	4,476	1,511	154	0	9,919
20	U. AL Birmingham, The	241,852	0	0	236,452	263	1,637	2,714	80	0	706
21	Scripps Research Institute, The	230,321	0	0	230,321	0	0	0	0	0	0
22	U. MN all campuses	229,070	357	63	206,694	202	4,538	7,076	6,335	0	3,805
23	U. CO all campuses	223,660	0	33	202,336	33	8,530	8,558	1,689	0	2,481
24	Baylor C. of Medicine	217,121	0	0	217,121	0	0	0	0	0	0
25	MA Institute of Technology	203,727	2,201	0	147,356	0	14,945	573	216	988	37,448
26	U. Southern CA	199,482	46	38	181,293	4,447	1,656	3,432	1,287	283	7,000
27	OR Health & Science U.	198,440	10,400	0	188,040	0	0	0	0	0	0
28	U. Cincinnati all campuses	196,937	0	0	192,814	19	1,020	192	216	0	2,676
29	Cornell U. all campuses	192,943	659	0	172,347	117	10,416	1,507	4,189	0	3,708
30	U. Chicago	190,450	4,922	21	175,420	185	3,287	4,853	1,762	0	0
31	Mt. Sinai School of Medicine	190,406	0	0	190,406	0	0	0	0	0	0
32	U. IA	182,094	0	19	168,846	194	1,685	6,417	365	0	4,568
33	U. TX Southwestern Medical Ctr. Dallas	180,060	0	0	180,060	0	0	0	0	0	0
34	U. Rochester	177,647	94	0	166,004	0	1,108	9,517	0	0	924
35	Boston U.	168,996	0	0	138,589	371	3,732	8,206	202	6,134	11,762

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
36	U. IL Chicago	166,745	103	0	156,565	0	3,001	1,434	2,691	2,174	777
37	U. TX M. D. Anderson Cancer Ctr.	160,218	0	0	139,578	4,447	5,587	7,299	3,065	0	242
38	NY U.	159,992	412	0	142,439	0	2,768	14,000	373	0	0
39	Northwestern U.	159,917	0	0	145,094	225	3,651	1,044	529	2,492	6,882
40	OH State U. all campuses	158,225	660	21	142,420	233	2,614	3,742	6,546	3	1,986
41	U. CA, Davis	155,297	0	255	140,620	120	3,237	781	2,859	0	7,425
42	U. MD Baltimore	153,899	0	0	153,899	0	0	0	0	0	0
43	Yeshiva U.	145,004	0	0	145,004	0	0	0	0	0	0
44	U. VA all campuses	137,228	0	0	125,227	0	4,165	3,533	63	0	4,240
45	Wake Forest U.	133,947	0	0	132,190	0	1,536	221	0	0	0
46	U. UT	128,835	2,795	100	115,957	29	4,138	1,538	263	0	4,015
47	IN U. all campuses	128,075	261	0	114,865	0	2,146	6,999	1,219	4	2,581
48	U. FL	124,192	343	2,302	108,027	1,965	1,830	6,407	385	0	2,933
49	U. CA, Irvine	121,114	1,039	0	108,095	425	4,633	1,508	1,408	0	4,006
50	U. MA Worcester	119,103	0	0	119,103	0	0	0	0	0	0
51	U. of Medicine and Dentistry NJ	116,589	0	0	116,589	0	0	0	0	0	0
52	U. TX Health Science Ctr. Houston	114,855	0	0	114,855	0	0	0	0	0	0
53	U. TX Medical Branch	110,160	0	0	109,387	0	0	0	0	0	773
54	Medical C. WI	103,337	0	0	103,337	0	0	0	0	0	0
55	U. AZ	100,097	0	360	91,142	0	4,011	2,151	1,768	0	665
56	U. Miami	99,724	0	2,023	88,538	0	2	7,355	1,103	0	703
57	U. CA, Berkeley	98,284	0	0	66,902	210	9,815	4,723	4,634	10,652	1,348
58	U. KY all campuses	96,908	19	156	86,966	282	1,875	6,305	760	0	545
59	SUNY Buffalo all campuses	95,599	405	0	87,245	0	3,312	3,168	96	0	1,373
60	Wayne State U.	94,118	240	0	85,526	0	3,156	3,323	728	0	1,145
61	Dartmouth C.	91,883	127	26	85,654	0	734	1,587	141	369	3,245
62	U. TX Health Science Ctr. San Antonio	91,154	0	0	91,154	0	0	0	0	0	0
63	SUNY Albany	88,733	0	0	84,753	0	330	674	2,466	0	510
64	Medical U. SC	87,402	0	0	87,402	0	0	0	0	0	0
65	Rockefeller U.	85,069	0	0	80,161	1,414	3,494	0	0	0	0
66	PA State U. all campuses	84,259	157	1,307	62,337	12	4,076	7,895	6,018	0	2,457
67	LA State U. all campuses	83,791	0	0	81,485	0	1,734	373	82	0	117
68	U. CT all campuses	79,497	281	0	68,281	208	1,900	7,512	848	0	467
69	U. KS all campuses	77,538	0	0	73,024	0	1,073	408	2,840	9	184
70	Thomas Jefferson U.	76,749	0	0	76,749	0	0	0	0	0	0
71	Georgetown U.	75,798	0	0	73,953	0	520	852	473	0	0
72	Tulane U.	75,787	0	0	72,823	317	0	275	1,709	0	663

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
73	U. NE all campuses	75,465	316	0	60,532	159	837	6,801	3,105	0	3,715
74	George Washington U.	73,159	190	0	22,502	48,347	15	1,694	128	0	283
75	U. VT	71,477	0	0	65,912	79	9	1,926	0	3,236	315
76	U. NM main campus	69,796	507	32	61,736	0	871	6,231	320	0	99
77	VA Commonwealth U.	67,891	0	73	61,938	0	1,920	2,257	1,493	0	210
78	CO State U.	67,461	0	0	44,302	0	3,599	2,006	1,296	15,848	410
79	Rutgers, The State U. NJ all campuses	66,549	0	138	52,211	110	6,293	3,036	4,324	0	437
80	Tufts U.	64,851	0	0	59,355	0	1,688	1,594	0	0	2,214
81	SUNY Stony Brook all campuses	64,632	462	143	53,247	1,122	3,589	2,710	46	0	3,313
82	U. IL Urbana-Champaign	61,989	393	730	31,851	2	12,697	5,721	1,401	1,084	8,110
83	U. South FL	60,329	0	0	56,670	0	598	1,820	370	0	871
84	U. AR for Medical Sciences	59,598	0	0	59,598	0	0	0	0	0	0
85	Brown U.	57,910	818	98	51,488	90	1,405	753	1,859	0	1,399
86	U. TN all campuses	56,987	0	43	55,477	0	229	146	551	0	541
87	U. Louisville	54,133	0	0	50,172	222	307	2,821	83	0	528
88	U. OK all campuses	52,810	0	0	49,412	0	1,098	325	1,079	0	896
89	U. MO-Columbia	51,765	913	0	45,752	467	1,234	3,195	7	0	197
90	CA Institute of Technology	48,952	36	46	31,749	365	12,252	0	0	0	4,504
91	Charles R. Drew U. of Medicine and Science	47,273	0	0	47,273	0	0	0	0	0	0
92	U. TX Austin	45,918	487	0	23,518	382	8,984	5,070	4,547	256	2,674
93	Temple U.	45,576	405	0	38,711	0	498	4,984	233	0	745
94	U. MS all campuses	44,583	0	0	44,323	0	260	0	0	0	0
95	St. Louis U. all campuses	44,277	0	0	43,932	0	125	136	84	0	0
96	U. GA	43,677	371	55	33,804	43	1,079	7,509	727	0	89
97	MI State U.	43,443	12	0	37,768	158	2,155	1,946	656	0	748
98	U. HI Manoa	43,085	0	526	40,886	0	136	14	1,062	410	51
99	Medical C. GA	40,275	0	0	40,275	0	0	0	0	0	0
100	Rush U.	39,403	0	0	38,053	0	0	1,350	0	0	0
101	Princeton U.	37,716	559	0	21,974	0	2,230	5,881	5,725	0	1,347
102	AZ State U.	34,643	226	19	18,436	153	1,523	7,652	2,491	0	4,143
103	TX A&M U.	34,429	297	680	20,844	1,857	5,534	1,186	1,488	0	2,543
104	TX A&M U. System Health Science Ctr.	33,955	6	436	33,176	0	0	31	0	0	306
105	U. SC all campuses	33,336	0	245	21,380	0	2,222	5,397	2,532	1,138	422
106	U. PR Medical Sciences Campus	31,797	0	0	31,797	0	0	0	0	0	0
107	Meharry Medical C.	30,172	0	0	30,172	0	0	0	0	0	0
108	Brandeis U.	30,059	360	0	16,668	0	2,509	2,564	7,958	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
109	U. MD College Park	26,751	862	0	11,292	0	2,210	3,305	6,188	0	2,894
110	NY Medical C.	25,862	0	0	25,862	0	0	0	0	0	0
111	WV U.	25,549	430	5	23,933	0	5	188	98	0	890
112	GA Institute of Technology all campuses	25,244	144	0	4,024	0	3,237	1,503	86	0	16,250
113	Carnegie Mellon U.	25,076	4,251	0	4,523	1,334	1,850	2,670	2,592	1,170	6,686
114	Loyola U. Chicago	23,422	0	0	22,787	0	104	507	24	0	0
115	MT State U. Bozeman	22,972	0	0	19,000	8	2,558	6	0	0	1,400
116	Morehouse School of Medicine	22,662	0	0	22,662	0	0	0	0	0	0
117	U. OR	22,308	0	0	16,370	0	13	5,602	323	0	0
118	U. NV, Reno	21,987	146	0	20,422	0	184	929	68	226	12
119	IA State U.	21,526	292	0	10,360	281	1,301	193	8,896	0	203
120	U. DE	21,336	99	164	7,162	0	3,748	1,960	1,985	2,105	4,113
121	U. MD Biotechnology Institute	20,748	0	638	20,110	0	0	0	0	0	0
122	SUNY Health Science Ctr. Brooklyn	20,676	0	0	20,676	0	0	0	0	0	0
123	WA State U.	20,288	0	51	16,832	206	1,873	708	0	12	606
124	U. CA, Santa Barbara	19,612	0	616	4,222	0	4,972	3,347	278	4,379	1,798
125	U. of Notre Dame	19,612	121	0	7,762	36	7,358	3,659	194	0	482
126	San Diego State U.	18,643	0	105	12,274	0	200	5,365	699	0	0
127	U. MA Amherst	17,424	284	0	11,680	221	1,642	2,696	539	0	362
128	U. Houston	17,138	0	0	8,045	0	791	6,827	1,104	0	371
129	OR State U.	16,723	0	30	13,821	0	1,439	309	86	689	349
130	U. CA, Santa Cruz	16,232	103	640	6,005	0	4,378	441	0	0	4,665
131	U. Toledo	16,066	0	0	15,429	0	266	159	0	0	212
132	FL International U.	15,981	0	0	11,200	0	886	1,695	1,985	0	215
133	U. North TX Health Science Ctr. Ft. Worth	15,897	0	0	15,897	0	0	0	0	0	0
134	NC State U.	15,647	0	0	9,752	2,133	1,348	0	538	428	1,448
135	VA Polytechnic Institute and State U.	15,423	479	0	9,148	0	1,641	826	40	0	3,289
136	FL State U.	15,353	198	0	9,228	398	1,678	2,296	1,187	0	368
137	U. SD	14,087	0	0	13,983	0	0	104	0	0	0
138	U. CA, Riverside	14,027	0	0	10,186	0	968	2,120	458	0	295
139	U. MO-Kansas City	13,590	0	0	12,365	0	566	659	0	0	0
140	Uniformed Services U. of the Health Sciences	13,384	0	0	13,384	0	0	0	0	0	0
141	U. TX San Antonio	13,014	0	0	10,943	0	816	3	632	0	620
142	Loma Linda U.	13,011	0	0	12,894	0	0	0	117	0	0
143	Northeastern U.	12,336	103	0	7,065	0	2,935	1,451	0	0	782

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
144	CUNY Hunter C.	12,176	0	0	5,838	0	2,104	4,047	187	0	0
145	Wright State U. all campuses	11,858	58	0	11,415	181	0	107	92	0	5
146	U. RI	11,481	9	18	7,596	0	0	445	0	3,262	151
147	U. Southern ME	11,407	22	0	6,486	0	0	64	4,835	0	0
148	IL Institute of Technology	11,380	0	0	8,246	0	553	558	0	0	2,023
149	Jackson State U.	11,131	0	1,530	5,777	0	27	380	0	3,417	0
150	U. South AL	10,432	0	3	10,184	28	0	217	0	0	0
151	Rensselaer Polytechnic Institute	10,282	130	101	1,474	240	3,354	0	0	0	4,983
152	U. ND all campuses	10,247	0	0	10,017	0	14	11	0	0	205
153	GA State U.	10,210	0	0	6,186	15	1,518	1,466	1,025	0	0
154	NM State U. main campus	10,071	18	0	2,579	0	5,952	177	1,085	137	123
155	U. ID	10,041	0	0	9,617	411	0	13	0	0	0
156	U. MT-Missoula, The	9,991	0	0	9,053	0	579	285	74	0	0
157	Creighton U.	9,886	0	0	9,703	0	148	35	0	0	0
158	UT State U.	9,849	14	0	7,356	0	842	1,541	19	0	77
159	Southern IL U. Carbondale	9,615	0	0	7,934	0	961	658	62	0	0
160	CUNY The City C.	9,429	0	0	5,845	0	867	109	0	0	2,608
161	Albany Medical C.	9,356	0	0	9,356	0	0	0	0	0	0
162	U. TX El Paso	9,320	0	565	6,880	299	904	483	0	0	189
163	Rice U.	8,775	106	0	2,775	88	541	346	184	0	4,735
164	Universidad Central del Caribe	7,783	0	0	7,783	0	0	0	0	0	0
165	Rosalind Franklin U. of Medicine and Science	7,624	0	0	7,121	0	0	503	0	0	0
166	San Francisco State U.	7,386	0	0	4,110	48	1,179	1,121	928	0	0
167	East Carolina U.	7,257	0	245	6,610	0	278	124	0	0	0
168	Syracuse U. all campuses	7,018	108	0	134	0	393	4,964	489	0	930
169	U. Memphis, The	6,995	0	0	1,999	86	373	949	2,999	0	589
170	TX Tech U. Health Science Ctr.	6,803	0	0	6,803	0	0	0	0	0	0
171	OK State U. all campuses	6,781	0	0	5,628	0	58	0	472	9	614
172	U. WI Milwaukee	6,489	0	1,152	1,817	13	842	709	1,126	0	830
173	Marshall U.	6,476	0	0	6,476	0	0	0	0	0	0
174	U. WY	6,122	0	0	5,409	0	74	282	230	0	127
175	U. TX Dallas	5,874	909	43	986	26	1,493	789	236	127	1,265
176	Wichita State U.	5,866	0	0	3,970	0	238	1,638	0	0	20
177	U. Central FL	5,595	0	0	726	0	933	0	404	232	3,300
178	Boston C.	5,497	0	0	2,113	0	1,713	116	1,555	0	0
179	Eastern VA Medical School	5,473	0	0	5,473	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
180	U. PR Rio Piedras Campus	5,158	0	0	1,070	115	2,868	971	18	116	0
181	U. MA Lowell	5,030	0	0	1,670	0	50	35	122	0	3,153
182	Auburn U. all campuses	4,850	0	0	500	14	1,328	388	1,973	0	647
183	CA State U. Los Angeles	4,778	0	0	3,592	0	1,186	0	0	0	0
184	U. AL, The	4,776	119	0	1,862	0	234	1,245	1,316	0	0
185	MS State U.	4,763	0	0	3,195	49	162	386	930	0	41
186	FL Atlantic U.	4,735	0	0	2,521	0	921	479	0	814	0
187	U. Southern MS	4,585	0	0	4,345	0	99	141	0	0	0
188	U. Denver	4,501	0	0	1,082	0	992	2,321	0	0	106
189	East TN State U.	4,331	0	0	4,248	0	0	83	0	0	0
190	ND State U. all campuses	4,303	0	0	1,616	0	598	2,031	24	0	34
191	Drexel U.	4,243	0	0	4,015	0	0	0	0	0	228
192	Portland State U.	4,243	63	0	2,892	0	86	680	517	0	5
193	Tuskegee U.	4,202	0	0	2,844	0	0	0	1,358	0	0
194	U. ME	4,141	0	191	487	80	418	1,011	1,895	0	59
195	U. AR main campus	4,114	0	0	1,224	0	2,767	16	0	0	107
196	SUNY Binghamton	3,865	0	0	465	0	0	2,977	423	0	0
197	Kent State U. all campuses	3,779	0	0	1,353	0	669	1,536	221	0	0
198	Clemson U.	3,772	0	0	1,888	0	233	0	443	0	1,208
199	NC Central U.	3,739	0	0	3,739	0	0	0	0	0	0
200	Brigham Young U. all campuses	3,738	0	0	2,264	19	643	392	0	0	420
201	U. NC Charlotte	3,709	617	0	2,405	0	372	231	0	0	84
202	U. NH	3,689	0	104	1,322	0	1,810	104	263	0	86
203	U. LA Lafayette	3,670	0	0	3,670	0	0	0	0	0	0
204	CUNY Brooklyn C.	3,533	520	0	1,099	0	617	1,297	0	0	0
205	CA State U. Northridge	3,422	0	0	757	0	836	563	0	1,266	0
206	Teachers C. Columbia U.	3,400	0	0	790	0	0	2,610	0	0	0
207	Wesleyan U.	3,351	0	0	2,046	0	850	455	0	0	0
208	U. NC Greensboro	3,175	0	0	1,591	0	319	1,011	254	0	0
209	CUNY Herbert H. Lehman C.	3,156	0	0	1,307	0	0	1,849	0	0	0
210	Morehouse C.	3,129	0	0	483	0	0	464	2,182	0	0
211	Marquette U.	3,042	0	0	2,201	66	274	87	51	0	363
212	CA State U. Long Beach	2,941	0	0	1,310	0	702	450	0	479	0
213	U. DC	2,917	0	0	516	0	464	0	1,070	0	867
214	Lehigh U.	2,792	0	0	1,354	0	1,056	256	14	0	112
215	U. PR Humacao	2,730	0	0	100	0	2,630	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
216	U. MA Boston	2,667	0	0	1,224	0	105	644	694	0	0
217	Spelman C.	2,645	192	0	1,983	0	440	9	21	0	0
218	Morgan State U.	2,632	0	0	574	1,232	197	0	629	0	0
219	U. MD Baltimore County	2,606	145	0	226	98	826	12	442	0	857
220	George Mason U.	2,578	0	0	735	119	185	1,358	181	0	0
221	TX Christian U.	2,554	0	39	74	0	203	2,238	0	0	0
222	Northeastern OH Universities C. of Medicine	2,553	0	0	2,553	0	0	0	0	0	0
223	U. TX Arlington	2,506	34	0	259	0	935	668	0	0	610
224	CUNY York C.	2,468	0	0	2,468	0	0	0	0	0	0
225	Southern Methodist U.	2,400	0	0	1,490	14	3	748	15	0	130
226	Ball State U.	2,387	0	0	1,862	0	71	3	451	0	0
227	Xavier U. LA	2,318	0	0	1,200	0	1,106	12	0	0	0
228	Rochester Institute of Technology	2,313	0	0	1,718	0	89	0	68	0	438
229	Duquesne U.	2,269	0	0	1,990	0	279	0	0	0	0
230	ID State U.	2,253	0	0	2,253	0	0	0	0	0	0
231	SUNY C. of Optometry	2,164	0	0	2,164	0	0	0	0	0	0
232	FL Institute of Technology	2,108	266	68	267	4	737	0	0	0	766
233	TX Tech U.	2,104	0	304	465	31	529	143	509	0	123
234	Chicago State U.	1,993	0	0	0	0	0	0	0	1,993	0
235	U. Akron all campuses	1,985	0	0	1,033	23	131	45	753	0	0
236	Oakland U.	1,966	0	0	873	0	917	76	0	0	100
237	CA State Polytechnic U. Pomona	1,935	0	0	1,935	0	0	0	0	0	0
238	Fordham U.	1,927	0	0	1,613	0	0	155	159	0	0
239	Western MI U.	1,896	0	0	1,618	0	119	0	159	0	0
240	Northern IL U.	1,880	0	0	970	0	281	532	97	0	0
241	TX A&M U. Kingsville	1,874	0	0	1,846	0	28	0	0	0	0
242	Black Hills State U.	1,842	0	0	1,696	0	0	146	0	0	0
243	Shaw U.	1,826	0	209	1,289	0	328	0	0	0	0
244	Wellesley C.	1,806	85	25	607	0	94	0	0	995	0
245	Clark Atlanta U.	1,788	0	0	1,788	0	0	0	0	0	0
246	Northern AZ U.	1,778	0	0	1,778	0	0	0	0	0	0
247	Woods Hole Oceanographic Institution	1,759	0	1,759	0	0	0	0	0	0	0
248	U. of the VI	1,757	0	0	879	0	0	0	878	0	0
249	TN State U.	1,749	0	0	1,749	0	0	0	0	0	0
250	Old Dominion U.	1,731	0	0	947	0	218	130	253	0	183
251	Catholic U. America, The	1,727	0	0	1,371	0	73	233	0	0	50

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
252	Boise State U.	1,722	0	0	1,581	0	86	0	0	0	55
253	U. NV, Las Vegas	1,716	0	0	1,507	0	208	1	0	0	0
254	Bowling Green State U. all campuses	1,682	0	0	291	0	212	270	904	0	5
255	AL State U.	1,667	0	0	1,612	0	0	0	55	0	0
256	Nova Southeastern U.	1,598	0	0	1,252	0	0	346	0	0	0
257	CUNY Queens C.	1,585	0	0	327	0	290	937	31	0	0
258	Cleveland State U.	1,527	0	0	922	0	72	24	341	0	168
259	PA C. of Optometry	1,500	0	0	1,500	0	0	0	0	0	0
260	SD State U.	1,492	0	70	1,421	0	0	0	0	0	1
261	St. John's U. (Jamaica, NY)	1,477	0	0	542	0	28	907	0	0	0
262	DE State U.	1,405	0	0	1,405	0	0	0	0	0	0
263	Hampton U.	1,396	0	0	1,150	0	246	0	0	0	0
264	Dillard U.	1,393	0	0	0	0	0	0	1,393	0	0
265	U. MD Eastern Shore	1,352	0	0	1,248	0	104	0	0	0	0
266	CA State U. Fullerton	1,344	0	0	1,344	0	0	0	0	0	0
267	SUNY C. Old Westbury	1,339	0	0	1,014	0	325	0	0	0	0
268	CUNY Graduate Ctr.	1,322	339	0	0	0	0	146	40	797	0
269	IL State U.	1,300	0	0	1,204	0	50	43	3	0	0
270	Northwestern Health Sciences U.	1,289	0	0	1,289	0	0	0	0	0	0
271	C. of William and Mary all campuses	1,262	0	204	477	0	99	184	14	284	0
272	Barnard C.	1,258	0	89	0	0	64	1,105	0	0	0
273	U. NC Wilmington	1,227	0	17	427	0	100	683	0	0	0
274	DePaul U.	1,220	97	0	46	0	0	1,042	35	0	0
275	Mercer U. all campuses	1,213	0	0	1,213	0	0	0	0	0	0
276	U. GU	1,203	0	0	1,203	0	0	0	0	0	0
277	San Jose State U.	1,190	0	0	236	0	921	0	0	33	0
278	CA State U. Dominguez Hills	1,112	0	0	782	0	176	97	57	0	0
279	MI Technological U.	1,108	0	0	0	335	215	0	0	0	558
280	U. Tulsa	1,078	1	0	460	0	192	418	7	0	0
281	Fayetteville State U.	1,076	0	0	426	0	0	0	650	0	0
282	NC Agricultural and Technical State U.	1,061	0	0	897	0	97	0	67	0	0
283	Seton Hall U.	1,057	0	0	1,057	0	0	0	0	0	0
284	U. MO-St. Louis	1,020	0	0	170	0	704	146	0	0	0
285	Governors State U.	1,002	0	0	1,002	0	0	0	0	0	0
286	Clark U.	1,000	0	244	92	0	61	603	0	0	0
287	Tougaloo C.	984	0	0	984	0	0	0	0	0	0
288	CO School of Mines	971	0	0	0	0	389	0	0	379	203

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
289	Smith C.	969	0	0	264	26	0	367	0	0	312
290	Albany State U.	952	0	0	0	0	0	0	0	0	952
291	Benedict C.	928	0	0	928	0	0	0	0	0	0
292	CA State U. San Bernardino	922	0	0	131	0	293	498	0	0	0
293	Worcester Polytechnic Institute	916	151	0	40	278	0	0	0	0	447
294	CA State U. East Bay	910	0	0	724	0	176	0	0	10	0
295	Norfolk State U.	874	0	0	38	0	836	0	0	0	0
296	Western KY U.	828	0	0	506	2	55	265	0	0	0
297	MT Tech of the U. MT	797	0	1	561	0	235	0	0	0	0
298	U. TX-Pan American	766	0	0	766	0	0	0	0	0	0
299	CUNY John Jay C. of Criminal Justice	762	0	0	0	0	0	762	0	0	0
300	FL A&M U.	753	0	353	375	0	0	0	0	0	25
301	Midwestern U. (Chicago, IL)	714	0	0	714	0	0	0	0	0	0
302	U. AL Huntsville, The	685	0	0	237	0	448	0	0	0	0
303	Bowdoin C.	675	0	0	660	0	0	0	15	0	0
304	Western U. of Health Sciences	646	0	0	646	0	0	0	0	0	0
305	C. Charleston	610	0	5	605	0	0	0	0	0	0
306	Middlebury C.	608	0	0	608	0	0	0	0	0	0
307	TX Woman's U.	608	0	0	567	0	0	0	32	9	0
308	SUNY C. Oswego	606	0	0	0	0	0	606	0	0	0
309	CUNY C. Staten Island	586	0	0	3	0	583	0	0	0	0
310	IN State U. all campuses	581	0	0	0	0	105	476	0	0	0
311	NM Highlands U.	578	0	0	173	0	405	0	0	0	0
312	SUNY C. Buffalo	576	0	0	0	0	0	134	442	0	0
313	Philadelphia C. of Osteopathic Medicine	560	0	0	560	0	0	0	0	0	0
314	U. Central AR	557	NA	NA	NA	NA	NA	NA	NA	NA	NA
315	Furman U.	556	0	0	79	0	345	132	0	0	0
316	U. North TX	553	0	0	525	0	0	0	28	0	0
317	Bates C.	552	0	0	488	0	64	0	0	0	0
318	U. HI Hilo	551	0	0	551	0	0	0	0	0	0
319	Clarkson U.	531	0	0	182	0	36	0	0	0	313
320	Millsaps C.	529	0	0	529	0	0	0	0	0	0
321	Northern KY U.	509	0	0	304	0	29	176	0	0	0
322	Colby C.	495	146	0	256	71	16	6	0	0	0
323	U. Dayton	492	0	0	492	0	0	0	0	0	0
324	Rowan U.	490	0	0	0	0	0	490	0	0	0
325	Pomona C.	484	0	0	37	0	90	357	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
326	Western WA U.	479	0	0	0	0	38	53	114	274	0
327	Southwest MO State U.	473	0	0	473	0	0	0	0	0	0
328	U. WI La Crosse	462	86	0	348	0	21	0	0	7	0
329	Central MI U.	455	0	0	148	0	168	139	0	0	0
330	Mt. St. Mary's C. (Los Angeles, CA)	454	0	0	454	0	0	0	0	0	0
331	Loyola Marymount U.	453	0	0	185	31	0	237	0	0	0
332	SUNY C. Plattsburgh	441	0	0	0	0	441	0	0	0	0
333	Roger Williams U. Bristol	434	0	0	434	0	0	0	0	0	0
334	U. MO-Rolla	433	0	0	0	0	189	0	0	0	244
335	U. of the Pacific	420	8	0	412	0	0	0	0	0	0
336	MT State U. Billings	408	0	0	408	0	0	0	0	0	0
337	GA Southern U.	405	0	0	405	0	0	0	0	0	0
338	Milwaukee School of Engineering	400	0	0	381	0	0	0	0	0	19
339	Bluefield State C.	396	0	0	396	0	0	0	0	0	0
340	Savannah State U.	396	0	0	396	0	0	0	0	0	0
341	Eastern MI U.	393	0	0	52	0	263	78	0	0	0
342	AR State U. main campus	392	17	0	238	0	82	0	0	0	55
343	LA Tech U.	375	244	0	102	0	6	0	0	0	23
344	Reed C.	371	0	0	114	0	62	195	0	0	0
345	Calvin C.	369	0	0	134	0	149	86	0	0	0
346	Prairie View A&M U.	367	0	0	260	0	107	0	0	0	0
347	C. of the Holy Cross	353	0	0	73	0	0	280	0	0	0
348	National U. of Health Sciences	351	0	0	351	0	0	0	0	0	0
349	Morehead State U.	347	0	0	127	0	0	220	0	0	0
350	James Madison U.	337	0	0	282	0	0	55	0	0	0
351	Hamilton C. (Clinton, NY)	335	0	0	154	0	0	181	0	0	0
352	U. New England	328	0	0	328	0	0	0	0	0	0
353	Bryn Mawr C.	327	0	0	107	0	81	139	0	0	0
354	Stevens Institute of Technology	327	0	0	289	0	0	0	0	0	38
355	Alcorn State U.	322	0	0	322	0	0	0	0	0	0
356	Southeastern OK State U.	319	0	0	48	0	271	0	0	0	0
357	CT C.	318	0	0	59	0	139	120	0	0	0
358	U. of the Sciences Philadelphia	316	0	0	244	0	72	0	0	0	0
359	TX Southern U.	315	0	0	315	0	0	0	0	0	0
360	AL A&M U.	314	0	0	0	0	196	0	0	51	67
361	West Liberty State C.	310	0	0	310	0	0	0	0	0	0
362	Southern U. and A&M C. all campuses	302	0	0	180	0	122	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
363	CA State U. Fresno	299	NA	NA	NA	NA	NA	NA	NA	NA	NA
364	U. North FL	297	0	0	282	6	0	0	9	0	0
365	American U.	295	0	0	0	0	0	280	15	0	0
366	Pace U. all campuses	294	0	0	294	0	0	0	0	0	0
367	Maharishi U. of Management	280	0	0	280	0	0	0	0	0	0
368	U. CA, Merced	270	0	0	270	0	0	0	0	0	0
369	Elizabeth City State U.	266	0	0	266	0	0	0	0	0	0
370	Albany C. of Pharmacy	249	0	0	249	0	0	0	0	0	0
371	Lincoln U. (Lincoln University, PA)	249	0	0	210	0	39	0	0	0	0
372	U. NC Pembroke	242	0	0	0	0	242	0	0	0	0
373	U. San Francisco	240	0	0	63	0	0	177	0	0	0
374	U. LA Monroe	236	0	0	236	0	0	0	0	0	0
375	U. MA Dartmouth	233	0	0	101	0	99	0	0	0	33
376	Hope C.	228	0	0	228	0	0	0	0	0	0
377	Claremont Graduate U.	225	0	0	0	0	0	225	0	0	0
378	Mayville State U.	224	0	0	224	0	0	0	0	0	0
379	Simmons C.	220	0	0	36	0	0	0	22	162	0
380	U. Northern CO	216	0	0	131	10	0	0	75	0	0
381	WV State U.	214	0	0	214	0	0	0	0	0	0
382	Davidson C.	211	0	0	211	0	0	0	0	0	0
383	Heritage U. (Toppenish, WA)	210	0	0	210	0	0	0	0	0	0
384	Adelphi U.	208	0	0	208	0	0	0	0	0	0
385	U. West FL	206	0	0	206	0	0	0	0	0	0
386	Carlos Albizu U. (San Juan, PR)	202	0	0	0	0	0	202	0	0	0
387	Hendrix C.	201	0	0	0	0	201	0	0	0	0
388	Eastern KY U.	193	0	0	12	0	181	0	0	0	0
389	Central CT State U.	186	0	0	186	0	0	0	0	0	0
390	Baylor U.	182	0	0	54	0	25	103	0	0	0
391	OH Wesleyan U.	182	0	0	44	0	0	138	0	0	0
392	Fairfield U.	173	0	0	163	0	0	10	0	0	0
393	U. of St. Thomas (St. Paul, MN)	167	167	0	0	0	0	0	0	0	0
394	Southeastern LA U.	164	0	0	99	0	65	0	0	0	0
395	Appalachian State U.	160	0	0	26	0	0	134	0	0	0
396	Fuller Theological Seminary CA	160	0	0	0	0	0	160	0	0	0
397	Stephen F. Austin State U.	159	0	0	159	0	0	0	0	0	0
398	IL Wesleyan U.	158	0	0	0	0	0	158	0	0	0
399	Kennesaw State U.	152	0	0	152	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
400	NJ Institute of Technology	146	0	0	0	0	0	0	0	0	146
401	NY Institute of Technology all campuses	146	0	0	146	0	0	0	0	0	0
402	U. Puget Sound	143	0	0	0	0	0	0	143	0	0
403	Middle TN State U.	140	0	0	81	0	59	0	0	0	0
404	Trinity C. (Hartford, CT)	140	19	0	67	0	0	0	0	54	0
405	Carleton C.	136	0	0	0	0	73	63	0	0	0
406	West Chester U. PA	133	0	0	133	0	0	0	0	0	0
407	Ithaca C.	128	0	0	128	0	0	0	0	0	0
408	A.T. Still U. of Health Sciences	120	0	0	120	0	0	0	0	0	0
409	Gallaudet U.	119	0	0	0	0	0	119	0	0	0
410	Pittsburg State U.	117	0	0	54	0	63	0	0	0	0
411	Oglala Lakota C.	112	0	0	0	0	112	0	0	0	0
412	Des Moines U.	108	0	0	108	0	0	0	0	0	0
413	Eastern IL U.	104	0	0	89	0	0	15	0	0	0
414	Central WA U.	102	0	0	0	0	102	0	0	0	0
415	Wheeling Jesuit U.	102	0	0	72	0	0	0	30	0	0
416	Sinte Gleska U.	101	0	0	101	0	0	0	0	0	0
417	Lawrence U.	97	0	0	62	0	35	0	0	0	0
418	CUNY Medgar Evers C.	96	0	0	96	0	0	0	0	0	0
419	Sam Houston State U.	94	0	0	0	0	57	0	37	0	0
420	Ursinus C.	89	0	0	89	0	0	0	0	0	0
421	Amherst C.	82	0	0	0	0	30	52	0	0	0
422	Rider U.	80	0	0	80	0	0	0	0	0	0
423	Wilberforce U.	80	0	0	80	0	0	0	0	0	0
424	Franklin & Marshall C.	79	0	0	79	0	0	0	0	0	0
425	U. Northern IA	78	0	0	0	0	0	0	78	0	0
426	U. Houston-Clear Lake	76	0	0	76	0	0	0	0	0	0
427	U. Richmond	76	0	0	20	0	56	0	0	0	0
428	Trinity U.	75	0	0	40	0	0	35	0	0	0
429	St. Cloud State U.	74	0	0	47	0	0	0	0	0	27
430	VA State U.	74	0	0	66	0	0	8	0	0	0
431	CA State U. Bakersfield	72	0	0	32	0	40	0	0	0	0
432	Juniata C.	72	0	0	70	0	2	0	0	0	0
433	Lewis and Clark C.	72	0	0	59	0	13	0	0	0	0
434	Towson U.	71	0	0	18	0	53	0	0	0	0
435	Macalester C.	68	0	0	0	0	0	68	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
436	Rhodes C.	68	0	0	68	0	0	0	0	0	0
437	Lafayette C.	67	0	0	0	0	11	0	0	0	56
438	Pacific Lutheran U.	67	0	0	35	0	30	2	0	0	0
439	Ft. Lewis C.	66	0	0	66	0	0	0	0	0	0
440	Bucknell U.	65	0	0	45	0	20	0	0	0	0
441	Evergreen State C.	65	0	0	65	0	0	0	0	0	0
442	SUNY C. Brockport	65	0	0	65	0	0	0	0	0	0
443	Swarthmore C.	65	0	0	0	0	0	45	0	0	20
444	Vassar C.	65	0	0	65	0	0	0	0	0	0
445	Allegheny C.	62	0	0	0	0	62	0	0	0	0
446	Lake Forest C.	59	0	0	59	0	0	0	0	0	0
447	U. TX of the Permian Basin	57	0	0	57	0	0	0	0	0	0
448	U. WI Eau Claire	57	0	0	57	0	0	0	0	0	0
449	Wilkes U.	56	0	0	56	0	0	0	0	0	0
450	Northeastern IL U.	53	0	0	0	0	0	53	0	0	0
451	Wabash C.	53	0	0	0	0	53	0	0	0	0
452	Hofstra U.	52	0	0	52	0	0	0	0	0	0
453	SUNY C. of Environmental Science and Forestry	52	0	9	24	0	5	0	0	0	14
454	U. San Diego	51	0	0	0	0	51	0	0	0	0
455	Mt. Holyoke C.	50	0	0	25	0	25	0	0	0	0
456	Rose-Hulman Institute of Technology	46	0	0	0	0	0	0	0	0	46
457	St. Mary's C. MD	42	0	0	0	0	0	42	0	0	0
458	CO State U. Pueblo	41	0	0	38	0	0	0	3	0	0
459	Kalamazoo C.	41	0	0	29	12	0	0	0	0	0
460	Coastal Carolina U.	37	0	0	37	0	0	0	0	0	0
461	KY State U.	36	0	0	0	0	0	0	0	0	36
462	Western Carolina U.	36	0	0	36	0	0	0	0	0	0
463	SD School of Mines and Technology	35	0	0	0	0	0	0	0	0	35
464	SUNY C. Geneseo	35	0	0	17	0	0	18	0	0	0
465	St. Mary's U. (San Antonio, TX)	34	0	0	0	0	0	0	0	0	34
466	Youngstown State U.	33	0	0	11	0	22	0	0	0	0
467	CUNY Baruch C.	31	0	0	0	0	0	31	0	0	0
468	Murray State U.	31	0	0	31	0	0	0	0	0	0
469	U. WI Parkside	31	0	0	31	0	0	0	0	0	0
470	Central State U.	30	0	0	0	0	30	0	0	0	0
471	U. TX Tyler	28	0	0	28	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
472	U. WI Oshkosh	28	0	0	28	0	0	0	0	0	0
473	Colgate U.	27	0	0	27	0	0	0	0	0	0
474	Mercy C.	25	5	0	10	0	0	10	0	0	0
475	LeTourneau U.	23	0	0	0	0	0	0	0	0	23
476	U. Portland	21	0	0	21	0	0	0	0	0	0
477	Hobart and William Smith Colleges	19	0	0	0	0	0	19	0	0	0
478	Grambling State U.	16	0	0	0	0	16	0	0	0	0
479	Point Loma Nazarene C.	14	0	0	14	0	0	0	0	0	0
480	Indiana U. PA all campuses	12	0	0	0	0	0	4	8	0	0
481	U. Scranton	10	0	0	0	0	10	0	0	0	0
482	Winona State U.	8	0	0	8	0	0	0	0	0	0
483	U. AR Pine Bluff	1	0	0	0	0	1	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0
	Air Force Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Alfred U. all campuses	0	0	0	0	0	0	0	0	0	0
	Andrews U.	0	0	0	0	0	0	0	0	0	0
	Angelo State U.	0	0	0	0	0	0	0	0	0	0
	Augsburg C.	0	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0	0	0	0	0
	Bowie State U.	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. San Luis Obispo	0	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	0	0	0	0	0	0	0	0	0	0
	Canisius C.	0	0	0	0	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	0	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0	0	0	0	0
	Coe C.	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	C. Wooster	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	Daemen C.	0	0	0	0	0	0	0	0	0	0
	Denison U.	0	0	0	0	0	0	0	0	0	0
	Desert Research Institute	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Dowling C.	0	0	0	0	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Drake U.	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Fisk U.	0	0	0	0	0	0	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0
	Gettysburg C.	0	0	0	0	0	0	0	0	0	0
	Goucher C.	0	0	0	0	0	0	0	0	0	0
	Grand Valley State U.	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0	0	0	0	0
	Hampshire C.	0	0	0	0	0	0	0	0	0	0
	Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0
	Humboldt State U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0	0	0	0	0
	Kettering U.	0	0	0	0	0	0	0	0	0	0
	La Salle U.	0	0	0	0	0	0	0	0	0	0
	Lamar U.	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	0	0	0	0	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0	0	0	0	0
	Mercyhurst C.	0	0	0	0	0	0	0	0	0	0
	Miles C.	0	0	0	0	0	0	0	0	0	0
	Millersville U. PA	0	0	0	0	0	0	0	0	0	0
	MN State U. Mankato	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0
	Naval Postgraduate School	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	NM Institute of Mining and Technology	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0
	Nicholls State U.	0	0	0	0	0	0	0	0	0	0
	Northeastern State U.	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	0	0	0	0	0	0	0	0	0
	OH U. all campuses	0	0	0	0	0	0	0	0	0	0
	OR Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Philadelphia U.	0	0	0	0	0	0	0	0	0	0
	Pitzer C.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0
	Sarah Lawrence C.	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Sonoma State U.	0	0	0	0	0	0	0	0	0	0
	Southern IL U. Edwardsville	0	0	0	0	0	0	0	0	0	0
	Southern OR U.	0	0	0	0	0	0	0	0	0	0
	Southern Polytechnic State U.	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0
	St. Joseph's U.	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
	SUNY C. Cortland	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	0	0	0	0	0	0	0	0	0	0
	Sweet Briar C.	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	0	0	0	0	0	0	0	0	0
	TN Technological U.	0	0	0	0	0	0	0	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	TX A&M U. Corpus Christi	0	0	0	0	0	0	0	0	0	0
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0
	Troy U. main campus	0	0	0	0	0	0	0	0	0	0
	Truman State U.	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	0	0	0	0	0	0	0	0
	U.S. Air Force Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Military Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	0	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	0	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0
	U. Hartford	0	0	0	0	0	0	0	0	0	0
	U. Houston-Downtown	0	0	0	0	0	0	0	0	0	0
	U. IL Springfield	0	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	0	0	0	0	0	0	0	0	0	0
	U. New Haven	0	0	0	0	0	0	0	0	0	0
	U. NC Asheville	0	0	0	0	0	0	0	0	0	0
	U. Redlands	0	0	0	0	0	0	0	0	0	0
	U. West GA	0	0	0	0	0	0	0	0	0	0
	U. WI Green Bay	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0	0	0	0	0
	U. WI Stevens Point	0	0	0	0	0	0	0	0	0	0
	U. WI Stout	0	0	0	0	0	0	0	0	0	0
	U. WI Superior	0	0	0	0	0	0	0	0	0	0
	U. WI Whitewater	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0
	Valparaiso U.	0	0	0	0	0	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	West TX A&M U.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Western CT State U.	0	0	0	0	0	0	0	0	0	0

TABLE 76. Federally financed R&D expenditures at universities and colleges, financed by the Department of Health and Human Services, ranked by HHS R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	HHS R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Western IL U.	0	0	0	0	0	0	0	0	0	0
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

HHS = Department of Health and Human Services; nec = not elsewhere classified.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	1,040,664	23,715	250,157	90,057	3,968	356,728	10,781	10,497	11,660	282,912
1	U. AZ	65,017	0	605	658	0	63,050	0	0	0	704
2	CA Institute of Technology	62,874	197	6,221	315	1,099	52,872	0	0	14	2,156
3	Stanford U.	47,678	96	698	264	0	21,928	0	0	0	24,692
4	U. CO all campuses	44,646	0	27,219	154	132	11,859	48	0	0	5,234
5	U. MD College Park	37,970	992	5,034	326	0	16,416	0	6,795	0	8,407
6	MA Institute of Technology	28,518	1,147	5,095	0	79	11,252	0	0	0	10,945
7	U. CA, Berkeley	28,099	0	1,381	31	0	25,437	0	0	60	1,190
8	UT State U.	25,112	0	493	1,123	0	286	0	34	0	23,176
9	U. MD Baltimore County	23,214	1,159	19,865	93	0	1,570	284	0	0	243
10	Baylor C. of Medicine	22,661	0	0	22,661	0	0	0	0	0	0
11	U. CA, Santa Cruz	21,627	10	784	18	0	1,934	0	0	0	18,881
12	NM State U. main campus	19,864	0	0	1	0	700	0	0	212	18,951
13	U. AL Huntsville, The	19,669	2,641	4,169	268	89	4,369	450	68	0	7,615
14	GA Institute of Technology all campuses	16,267	137	3,437	106	0	1,038	0	380	9	11,160
15	U. MI all campuses	16,049	0	13	413	0	2,286	49	0	0	13,288
16	Hampton U.	15,740	0	14,916	20	0	0	0	0	0	804
17	U. NH	14,941	234	14,467	0	0	0	0	91	37	112
18	Johns Hopkins U., The ^a	14,630	0	381	1,191	0	12,132	0	0	0	926
19	Columbia U. in the City of NY	14,436	0	8,723	768	0	2,457	0	0	0	2,488
20	AZ State U.	12,314	40	10,128	478	18	760	12	0	0	878
21	CO State U.	11,798	0	8,850	2,373	0	134	0	0	0	441
22	U. CA, Los Angeles	11,580	0	2,904	354	0	6,484	0	204	0	1,634
23	U. HI Manoa	10,767	0	3,847	264	0	6,561	0	0	65	30
24	U. WI Madison	10,518	0	6,820	666	0	2,115	0	0	0	917
25	San Jose State U.	10,004	0	442	44	0	550	7,879	0	0	1,089
26	U. WA	9,887	0	6,185	806	0	1,495	0	0	0	1,401
27	Harvard U.	9,771	0	6,072	255	0	1,981	0	0	0	1,463
28	Boston U.	9,421	34	1,890	143	0	6,403	0	0	175	776
29	PA State U. all campuses	9,107	49	3,270	204	6	4,775	0	7	0	796
30	U. Southern MS	9,035	67	840	0	0	855	0	15	7,213	45
31	U. TX Austin	8,797	39	153	75	0	1,675	121	125	0	6,609
32	U. IA	8,199	0	0	245	0	7,012	0	15	0	927
33	U. FL	8,006	0	0	881	0	1,307	26	3	0	5,789
34	OH State U. all campuses	7,898	0	1,852	203	126	1,711	0	470	0	3,536
35	Princeton U.	7,544	0	907	178	0	2,771	0	11	0	3,677

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
36	TX A&M U.	7,536	6	1,346	746	0	159	78	0	0	5,201
37	George Mason U.	7,467	492	5,345	5	36	957	21	142	0	469
38	U. CA, San Diego	7,430	0	4,080	105	0	2,667	0	0	0	578
39	U. ND all campuses	7,354	24	7,267	0	0	0	0	0	63	0
40	MS State U.	7,080	696	2,865	568	382	0	0	6	0	2,563
41	MT State U. Bozeman	6,836	0	0	2,058	0	3,351	0	0	999	428
42	Washington U. St. Louis	6,259	0	2,550	873	0	2,447	0	0	0	389
43	Carnegie Mellon U.	5,989	2,923	160	0	19	440	105	0	6	2,336
44	Wheeling Jesuit U.	5,872	0	0	0	0	0	0	0	0	5,872
45	U. AL Birmingham, The	5,796	0	0	4,852	0	205	0	0	0	739
46	Loma Linda U.	5,641	0	0	5,641	0	0	0	0	0	0
47	Old Dominion U.	5,184	19	337	0	379	24	17	0	0	4,408
48	U. Central FL	4,843	0	3,079	103	0	141	0	0	0	1,520
49	U. CA, Santa Barbara	4,800	2,588	909	0	0	1,139	0	0	0	164
50	OR State U.	4,763	0	2,550	1,571	0	0	0	0	0	642
51	U. Toledo	4,736	0	179	0	0	245	0	0	0	4,312
52	Case Western Reserve U.	4,640	0	340	225	0	423	0	0	0	3,652
53	Cornell U. all campuses	4,466	110	322	96	0	2,823	0	0	0	1,115
54	U. Chicago	4,452	132	1,405	53	0	2,862	0	0	0	0
55	Catholic U. America, The	4,285	0	0	0	0	4,257	8	0	0	20
56	U. ID	4,207	539	38	139	0	444	0	165	0	2,882
57	U. Southern CA	4,130	2,660	397	0	0	606	0	0	0	467
58	Auburn U. all campuses	4,060	0	1,652	0	0	396	0	0	461	1,551
59	U. MN all campuses	4,015	133	228	250	0	2,624	0	65	0	715
60	SUNY Stony Brook all campuses	3,966	0	891	255	206	953	0	1	0	1,660
61	U. IL Urbana-Champaign	3,853	229	488	39	0	1,107	12	0	6	1,972
62	Brown U.	3,792	0	2,685	162	0	900	0	0	0	45
63	U. CA, Irvine	3,722	54	884	798	0	1,183	0	0	0	803
64	Morgan State U.	3,593	0	0	0	0	21	0	0	0	3,572
65	U. VA all campuses	3,492	0	856	26	0	1,444	0	0	0	1,166
66	U. Miami	3,456	0	2,774	0	0	667	0	0	0	15
67	U. TX Southwestern Medical Ctr. Dallas	3,329	0	0	3,329	0	0	0	0	0	0
68	MI State U.	3,230	0	46	1,332	0	944	0	593	0	315
69	U. TN all campuses	3,147	0	1,068	496	0	90	0	0	0	1,493
70	Rice U.	3,024	0	0	76	82	2,479	0	0	0	387
71	U. NM main campus	2,866	0	2,462	55	112	82	0	0	0	155
72	U. CA, Davis	2,826	0	311	1,263	65	406	0	0	0	781

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
73	CA State U. Monterey Bay	2,767	0	2,329	438	0	0	0	0	0	0
74	Wichita State U.	2,724	0	0	17	0	37	0	0	0	2,670
75	U. AL, The	2,705	1,939	47	0	0	85	0	0	0	634
76	U. Rochester	2,704	0	17	235	0	660	2	0	0	1,790
77	U. MA Amherst	2,691	113	128	24	0	1,385	0	474	0	567
78	IN U. all campuses	2,586	0	885	538	0	933	0	211	0	19
79	U. MS all campuses	2,527	0	942	850	0	501	0	0	0	234
80	SUNY Buffalo all campuses	2,520	121	146	2,094	0	78	0	0	0	81
81	TX Southern U.	2,424	0	0	2,208	0	216	0	0	0	0
82	U. KS all campuses	2,374	0	361	370	0	202	0	0	0	1,441
83	LA State U. all campuses	2,362	0	462	275	29	1,150	0	0	24	422
84	Rochester Institute of Technology	2,325	0	0	0	0	2,325	0	0	0	0
85	U. Louisville	2,293	41	0	427	0	369	1,271	0	0	185
86	U. MO-Columbia	2,282	0	155	1,171	0	213	0	0	0	743
87	U. SC all campuses	2,240	0	725	619	0	41	0	13	2	840
88	U. CT all campuses	2,225	0	171	1,385	0	279	0	0	0	390
89	Dartmouth C.	2,210	0	0	222	0	1,199	0	120	0	669
90	Marshall U.	2,180	0	0	284	0	1	0	0	0	1,895
91	U. CA, Riverside	2,177	0	1,513	505	0	132	0	0	0	27
92	FL State U.	2,174	127	1,600	0	66	111	0	0	0	270
93	Vanderbilt U.	2,142	0	0	0	0	159	0	0	0	1,983
94	Woods Hole Oceanographic Institution	2,064	0	1,655	0	0	0	0	0	0	409
95	NC State U.	2,043	0	441	459	4	52	0	0	0	1,087
96	Fisk U.	2,000	0	0	0	0	2,000	0	0	0	0
97	CO School of Mines	1,977	0	11	0	0	133	0	0	1,620	213
98	U. PA	1,966	211	0	590	0	1,102	0	0	0	63
99	U. OK all campuses	1,940	197	1,105	68	0	241	225	0	0	104
100	IA State U.	1,927	0	16	186	0	283	0	0	0	1,442
101	Rutgers, The State U. NJ all campuses	1,883	47	832	151	0	752	0	0	0	101
102	U. RI	1,816	61	1,664	0	45	0	0	0	0	46
103	U. South FL	1,781	0	1,479	132	0	3	0	0	0	167
104	U. KY all campuses	1,730	122	0	466	0	533	0	0	0	609
105	U. DE	1,663	0	22	0	0	1,582	0	0	0	59
106	U. NC Asheville	1,659	0	0	0	0	1,659	0	0	0	0
107	Northwestern U.	1,643	0	988	0	0	536	0	0	0	119
108	Drexel U.	1,612	0	0	0	0	795	0	0	0	817
109	Western KY U.	1,579	0	0	0	0	1,577	0	0	0	2

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
110	Cleveland State U.	1,575	0	0	0	0	6	0	0	0	1,569
111	U. NE all campuses	1,571	43	413	346	0	85	0	0	37	647
112	Lehigh U.	1,551	0	225	0	0	23	0	0	0	1,303
113	U. TX Medical Branch	1,528	0	0	1,352	0	0	0	0	0	176
114	SD State U.	1,514	0	1,106	49	0	0	0	0	0	359
115	Tulane U.	1,436	0	0	224	0	33	0	0	0	1,179
116	TX Tech U.	1,359	582	228	30	0	42	0	0	0	477
117	CUNY The City C.	1,354	0	90	0	0	1,211	0	0	0	53
118	Tufts U.	1,323	0	250	284	0	642	0	0	0	147
119	WV U.	1,320	0	0	96	0	59	0	0	3	1,162
120	U. MO-Rolla	1,312	0	0	0	0	600	0	0	0	712
121	Brandeis U.	1,301	0	0	1,301	0	0	0	0	0	0
122	Dowling C.	1,297	0	0	0	0	0	0	0	0	1,297
123	George Washington U.	1,287	0	0	0	0	56	0	0	0	1,231
124	San Diego State U.	1,275	50	1,000	96	0	55	0	0	0	74
125	U. MT-Missoula, The	1,269	0	124	1,122	0	18	0	5	0	0
126	Syracuse U. all campuses	1,262	0	0	3	45	115	0	0	0	1,099
127	U. AR main campus	1,256	0	120	36	0	902	0	0	0	198
128	NC Agricultural and Technical State U.	1,247	58	0	0	0	309	0	0	0	880
129	NJ Institute of Technology	1,244	0	0	0	33	1,179	0	0	0	32
130	VA Polytechnic Institute and State U.	1,214	0	43	390	0	0	0	3	0	778
131	Duke U.	1,208	0	366	329	0	10	0	0	0	503
132	Southern U. and A&M C. all campuses	1,154	0	1,012	0	0	72	0	0	0	70
133	U. Denver	1,149	0	0	0	0	543	0	15	0	591
134	Bowie State U.	1,116	1,116	0	0	0	0	0	0	0	0
135	Portland State U.	1,106	42	94	151	112	523	0	0	0	184
136	U. NV, Reno	1,101	53	428	0	1	188	53	0	0	378
137	C. Charleston	1,100	0	982	0	0	118	0	0	0	0
138	U. TX Health Science Ctr. Houston	1,072	0	0	1,072	0	0	0	0	0	0
139	U. UT	1,066	0	1,048	0	0	4	0	0	0	14
140	U. MD Ctr. for Environmental Science	1,065	0	1,065	0	0	0	0	0	0	0
141	Yale U.	1,065	0	418	217	0	301	0	0	0	129
142	Rensselaer Polytechnic Institute	1,012	0	1	60	0	367	0	0	0	584
143	U. Pittsburgh all campuses	1,002	0	240	487	0	275	0	0	0	0
144	U. Houston	966	0	0	301	0	87	0	0	0	578
145	Desert Research Institute	929	0	711	218	0	0	0	0	0	0
146	Brigham Young U. all campuses	912	0	0	0	0	112	0	0	0	800

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
147	U. VT	910	0	162	0	519	0	0	0	229	0
148	VA Commonwealth U.	903	0	0	427	0	54	0	0	0	422
149	Norfolk State U.	892	1	0	6	0	876	0	0	0	9
150	U. CA, San Francisco	869	0	0	693	0	176	0	0	0	0
151	SUNY Albany	854	0	379	0	0	315	0	0	0	160
152	U. Akron all campuses	829	0	0	0	26	156	0	0	0	647
153	U. of Notre Dame	814	0	0	0	0	408	0	0	0	406
154	ID State U.	811	0	719	24	0	32	0	0	0	36
155	U. ME	811	0	730	12	0	0	0	0	0	69
156	Thomas Jefferson U.	785	0	0	785	0	0	0	0	0	0
157	GA State U.	738	0	0	0	0	738	0	0	0	0
158	SD School of Mines and Technology	736	0	211	0	0	2	0	0	0	523
159	U. GA	729	0	151	15	0	559	0	0	0	4
160	U. WY	720	0	207	36	0	308	0	0	0	169
161	U. PR Rio Piedras Campus	701	0	0	0	0	701	0	0	0	0
162	Clemson U.	700	0	0	0	0	644	0	0	0	56
163	Tuskegee U.	662	0	0	155	0	0	0	0	0	507
164	WA State U.	647	89	91	0	0	130	0	0	0	337
165	SUNY Binghamton	643	0	0	0	0	0	0	0	0	643
166	Prairie View A&M U.	641	0	0	0	0	97	0	0	0	544
167	Mt. Sinai School of Medicine	638	0	0	638	0	0	0	0	0	0
168	AL A&M U.	609	0	0	68	0	371	0	0	0	170
169	U. NV, Las Vegas	607	5	80	44	0	473	0	0	0	5
170	TN State U.	596	14	0	89	0	246	0	0	0	247
171	U. NC Chapel Hill	588	0	278	25	0	22	0	263	0	0
172	C. of William and Mary all campuses	582	20	59	0	0	386	0	0	117	0
173	American U.	569	0	0	0	0	569	0	0	0	0
174	U. Dayton	565	0	0	0	0	0	0	0	0	565
175	U. WI Green Bay	562	0	562	0	0	0	0	0	0	0
176	U. Cincinnati all campuses	538	0	37	53	0	18	0	0	0	430
177	MI Technological U.	508	0	204	0	0	107	0	0	0	197
178	U. TX Dallas	507	79	4	85	2	129	68	20	11	109
179	Wright State U. all campuses	506	0	4	188	0	219	9	0	0	86
180	Polytechnic U.	500	500	0	0	0	0	0	0	0	0
181	U. MA Lowell	494	0	406	0	0	0	0	0	0	88
182	OR Health & Science U.	486	0	0	486	0	0	0	0	0	0
183	Marquette U.	481	0	0	466	0	13	0	0	0	2

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
184	Wellesley C.	479	0	0	0	0	479	0	0	0	0
185	U.S. Naval Academy	470	0	0	0	0	0	0	0	0	470
186	Naval Postgraduate School	465	239	115	0	0	21	0	20	0	70
187	Worcester Polytechnic Institute	438	0	0	0	0	129	0	0	0	309
188	OK State U. all campuses	437	12	0	0	0	225	0	0	49	151
189	U. TX El Paso	435	57	81	0	0	0	0	0	0	297
190	Western MI U.	432	0	0	3	0	347	0	0	0	82
191	Bowling Green State U. all campuses	430	0	0	83	0	26	0	0	0	321
192	NY U.	426	0	0	257	34	135	0	0	0	0
193	Stevens Institute of Technology	418	0	340	0	0	60	0	0	18	0
194	U. TX Arlington	406	0	0	0	0	175	0	0	0	231
195	CUNY Medgar Evers C.	399	0	210	0	0	189	0	0	0	0
196	Christopher Newport U.	391	0	0	112	0	279	0	0	0	0
197	Clark Atlanta U.	390	6	0	0	0	384	0	0	0	0
198	Wayne State U.	362	0	0	0	0	178	0	0	0	184
199	SUNY C. of Environmental Science and Forestry	360	0	33	66	0	22	0	0	0	239
200	U. IL Chicago	347	17	123	74	0	0	0	0	0	133
201	U. TX M. D. Anderson Cancer Ctr.	321	0	0	321	0	0	0	0	0	0
202	NM Institute of Mining and Technology	313	0	0	0	0	306	0	0	0	7
203	Northern AZ U.	285	0	0	0	0	272	0	0	0	13
204	Bryn Mawr C.	279	0	0	0	0	279	0	0	0	0
205	CA State U. Los Angeles	277	0	6	0	0	38	0	0	0	233
206	Southern Methodist U.	276	0	0	0	0	0	0	0	0	276
207	Northeastern U.	268	0	0	112	0	72	0	0	0	84
208	SUNY Upstate Medical U.	260	0	0	260	0	0	0	0	0	0
209	IL Institute of Technology	259	0	0	0	0	27	1	0	0	231
210	San Francisco State U.	259	0	0	0	0	259	0	0	0	0
211	OH U. all campuses	247	24	0	0	0	181	0	0	0	42
212	U. Hartford	247	0	0	0	0	0	0	0	0	247
213	Ball State U.	246	0	4	223	0	0	0	19	0	0
214	U. of Medicine and Dentistry NJ	242	0	0	242	0	0	0	0	0	0
215	Drake U.	240	0	0	69	0	171	0	0	0	0
216	CUNY Hunter C.	237	0	234	0	0	3	0	0	0	0
217	U. LA Lafayette	237	0	0	114	0	35	0	0	0	88
218	TX A&M U. Corpus Christi	229	0	57	0	162	0	0	0	0	10
219	East Carolina U.	217	0	76	0	0	141	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
220	CA State U. San Bernardino	209	0	91	0	0	118	0	0	0	0
221	TX Christian U.	207	0	0	0	0	207	0	0	0	0
222	Medical C. WI	190	0	0	190	0	0	0	0	0	0
223	Clarkson U.	181	0	0	0	0	0	0	0	0	181
224	Mt. Holyoke C.	176	0	176	0	0	0	0	0	0	0
225	Wesleyan U.	175	0	70	11	0	94	0	0	0	0
226	Clark U.	172	0	172	0	0	0	0	0	0	0
227	Scripps Research Institute, The	169	0	0	169	0	0	0	0	0	0
228	CA State U. Fresno	166	NA	NA	NA	NA	NA	NA	NA	NA	NA
229	Georgetown U.	163	0	0	60	0	103	0	0	0	0
230	ND State U. all campuses	158	0	38	0	0	17	0	0	0	103
231	Valparaiso U.	156	0	0	0	0	156	0	0	0	0
232	U. New England	155	0	35	120	0	0	0	0	0	0
233	CA State Polytechnic U. San Luis Obispo	151	0	5	0	0	0	0	0	0	146
234	Boston C.	146	0	146	0	0	0	0	0	0	0
235	U. San Diego	141	0	141	0	0	0	0	0	0	0
236	FL International U.	135	0	76	0	0	0	0	0	0	59
237	Oglala Lakota C.	133	0	14	0	0	0	0	0	119	0
238	U. MO-St. Louis	132	0	0	39	0	93	0	0	0	0
239	Central State U.	130	0	80	0	0	0	0	0	0	50
240	Northern IL U.	129	0	14	0	0	45	0	70	0	0
241	U.S. Air Force Academy	129	0	0	0	0	0	0	0	0	129
242	Sinte Gleska U.	121	0	121	0	0	0	0	0	0	0
243	NC Central U.	117	0	0	117	0	0	0	0	0	0
244	Rowan U.	115	0	0	0	0	0	0	0	0	115
245	TN Technological U.	115	0	0	0	0	0	0	0	0	115
246	U. WI Milwaukee	114	12	0	0	0	96	0	6	0	0
247	U. Southern ME	112	0	0	20	0	0	0	0	0	92
248	U. Tulsa	110	14	0	0	0	96	0	0	0	0
249	DePaul U.	109	85	0	0	12	12	0	0	0	0
250	SUNY C. Plattsburgh	108	0	0	0	0	108	0	0	0	0
251	Hofstra U.	107	0	0	0	0	10	0	0	0	97
252	U. MA Dartmouth	106	0	102	0	0	4	0	0	0	0
253	Kent State U. all campuses	104	0	0	0	0	104	0	0	0	0
254	Xavier U. LA	95	0	0	77	0	0	0	0	0	18
255	IN State U. all campuses	94	0	94	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
256	Emory U.	93	0	0	0	0	93	0	0	0	0
257	Wake Forest U.	90	0	0	90	0	0	0	0	0	0
258	Harvey Mudd C.	86	0	0	0	0	0	0	0	0	86
259	Philadelphia U.	85	0	0	0	0	0	0	0	85	0
260	U. OR	84	0	1	22	0	19	42	0	0	0
261	U. Memphis, The	83	0	54	0	0	29	0	0	0	0
262	Black Hills State U.	81	0	81	0	0	0	0	0	0	0
263	Northeastern OH Universities C. of Medicine	81	0	0	81	0	0	0	0	0	0
264	Smith C.	79	0	0	0	0	79	0	0	0	0
265	FL Atlantic U.	77	0	0	0	0	0	0	0	0	77
266	U. Redlands	77	0	24	0	0	53	0	0	0	0
267	Hendrix C.	75	0	0	0	0	0	0	0	0	75
268	CA State U. Fullerton	74	0	0	0	0	0	0	0	0	74
269	U. West FL	74	74	0	0	0	0	0	0	0	0
270	Augustana C. (Sioux Falls, SD)	73	73	0	0	0	0	0	0	0	0
271	West Chester U. PA	69	0	0	0	0	69	0	0	0	0
272	Southern Polytechnic State U.	68	0	0	0	0	0	0	0	0	68
273	Ithaca C.	66	0	0	0	0	66	0	0	0	0
274	U. CA, Merced	66	0	0	0	0	0	0	0	0	66
275	Lincoln U. (Jefferson City, MO)	65	0	65	0	0	0	0	0	0	0
276	Pittsburg State U.	65	0	0	0	0	0	0	0	0	65
277	LA Tech U.	64	0	0	0	0	21	0	0	0	43
278	Eastern VA Medical School	62	0	0	62	0	0	0	0	0	0
279	CA State Polytechnic U. Pomona	61	0	0	5	0	0	0	0	11	45
280	Northern KY U.	61	0	0	1	0	60	0	0	0	0
281	Swarthmore C.	57	0	0	0	0	57	0	0	0	0
282	Pitzer C.	54	0	0	0	0	0	0	54	0	0
283	TX A&M U. System Health Science Ctr.	54	0	0	0	0	0	0	0	0	54
284	Creighton U.	53	0	0	47	0	6	0	0	0	0
285	TX A&M U. Commerce	52	0	0	0	0	52	0	0	0	0
286	TX A&M U. Kingsville	52	0	0	0	0	0	0	0	0	52
287	CT C.	48	0	0	0	0	48	0	0	0	0
288	Southern IL U. Carbondale	48	0	37	0	0	0	0	0	0	11
289	Trinity C. (Hartford, CT)	46	11	0	10	0	0	0	0	0	25
290	East TN State U.	45	0	0	10	0	35	0	0	0	0
291	U. TX San Antonio	45	0	0	0	0	25	0	0	0	20

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
292	Murray State U.	44	0	7	0	0	37	0	0	0	0
293	Pomona C.	44	0	3	0	0	41	0	0	0	0
294	C. of the Holy Cross	42	0	0	0	0	42	0	0	0	0
295	Kettering U.	42	0	0	0	0	0	0	0	0	42
296	Alfred U. all campuses	41	0	0	0	0	0	0	0	0	41
297	Fayetteville State U.	39	0	0	0	36	3	0	0	0	0
298	Middlebury C.	39	0	0	0	0	39	0	0	0	0
299	Jackson State U.	38	0	4	32	0	2	0	0	0	0
300	GA Southern U.	34	0	30	0	0	4	0	0	0	0
301	AR State U. main campus	33	0	0	11	0	0	0	0	0	22
302	U. MO-Kansas City	33	0	0	0	0	33	0	0	0	0
303	U. of St. Thomas (St. Paul, MN)	33	0	0	0	0	33	0	0	0	0
304	Coastal Carolina U.	30	0	2	0	0	28	0	0	0	0
305	Morehead State U.	30	0	11	0	0	19	0	0	0	0
306	U. West GA	30	0	30	0	0	0	0	0	0	0
307	MN State U. Mankato	29	0	0	0	0	2	0	0	0	27
308	U. WI Eau Claire	28	0	0	0	0	28	0	0	0	0
309	Bowdoin C.	26	0	8	0	0	18	0	0	0	0
310	Roanoke C.	26	0	0	0	0	26	0	0	0	0
311	SUNY C. Brockport	25	0	0	0	0	25	0	0	0	0
312	U. North TX	25	0	0	0	0	7	0	5	0	13
313	IL State U.	23	0	0	0	0	23	0	0	0	0
314	U. Central AR	23	NA	NA	NA	NA	NA	NA	NA	NA	NA
315	Sweet Briar C.	22	0	0	0	0	22	0	0	0	0
316	U. WI Whitewater	21	0	0	0	0	21	0	0	0	0
317	Duquesne U.	20	0	0	20	0	0	0	0	0	0
318	FL Gulf Coast U.	20	0	0	0	0	20	0	0	0	0
319	Morehouse C.	20	0	0	0	0	20	0	0	0	0
320	U. WI La Crosse	19	0	0	0	0	13	0	0	0	6
321	Oakland U.	18	9	0	0	0	0	0	0	0	9
322	Teachers C. Columbia U.	18	0	0	18	0	0	0	0	0	0
323	Augsburg C.	16	0	0	0	0	16	0	0	0	0
324	SUNY C. Buffalo	15	0	15	0	0	0	0	0	0	0
325	U. Puget Sound	15	0	0	0	0	0	0	0	15	0
326	Hope C.	14	0	0	0	0	0	0	0	0	14
327	U. TX Tyler	14	0	14	0	0	0	0	0	0	0
328	Youngstown State U.	14	0	0	0	0	14	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
329	Ft. Lewis C.	12	0	0	0	0	12	0	0	0	0
330	Lincoln U. (Lincoln University, PA)	11	0	0	0	0	11	0	0	0	0
331	Middle TN State U.	11	0	0	0	11	0	0	0	0	0
332	OR Institute of Technology	11	0	0	0	0	0	0	0	0	11
333	U. TX-Pan American	11	0	0	11	0	0	0	0	0	0
334	SUNY C. Geneseo	10	0	0	0	0	10	0	0	0	0
335	Towson U.	10	0	0	0	0	10	0	0	0	0
336	U. Northern CO	10	0	0	0	0	10	0	0	0	0
337	AL State U.	9	0	0	0	0	0	0	9	0	0
338	MS Valley State U.	9	0	0	0	0	0	0	0	0	9
339	Southern OR U.	9	0	0	0	0	9	0	0	0	0
340	Temple U.	9	0	0	9	0	0	0	0	0	0
341	U. WI Parkside	9	0	0	0	0	9	0	0	0	0
342	Denison U.	8	0	0	0	0	8	0	0	0	0
343	Grambling State U.	8	0	0	0	0	8	0	0	0	0
344	St. Louis U. all campuses	8	0	0	0	0	0	0	0	0	8
345	Whitman C.	7	0	0	0	0	7	0	0	0	0
346	FL A&M U.	6	0	0	2	0	0	0	0	0	4
347	Vassar C.	6	0	0	0	0	0	0	0	0	6
348	Benedict C.	5	0	0	5	0	0	0	0	0	0
349	Calvin C.	5	0	0	5	0	0	0	0	0	0
350	Bucknell U.	4	0	0	0	0	0	0	0	0	4
351	Central MI U.	4	0	0	0	0	0	0	0	0	4
352	Colgate U.	4	0	0	0	0	4	0	0	0	0
353	Franklin & Marshall C.	4	0	0	0	0	4	0	0	0	0
354	Gettysburg C.	4	0	0	0	0	4	0	0	0	0
355	Lawrence U.	4	0	0	0	0	4	0	0	0	0
356	Milwaukee School of Engineering	4	0	0	0	0	0	0	0	0	4
357	Morehouse School of Medicine	4	0	0	4	0	0	0	0	0	0
358	U. WI Oshkosh	4	0	0	4	0	0	0	0	0	0
359	Appalachian State U.	3	0	0	0	0	3	0	0	0	0
360	Fairfield U.	2	0	0	0	0	2	0	0	0	0
361	Furman U.	2	2	0	0	0	0	0	0	0	0
362	Spelman C.	2	2	0	0	0	0	0	0	0	0
363	Trinity U.	2	0	0	0	0	0	0	0	0	2
364	Elizabeth City State U.	1	0	0	0	0	0	0	0	0	1
365	MA C. of Pharmacy and Health Sciences	1	0	0	1	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
366	Saginaw Valley State U.	1	0	0	0	1	0	0	0	0	0
367	U. Central OK	1	0	0	0	0	0	0	0	0	1
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0
	Adelphi U.	0	0	0	0	0	0	0	0	0	0
	Air Force Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0
	Albany State U.	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0
	Allegheny C.	0	0	0	0	0	0	0	0	0	0
	Amherst C.	0	0	0	0	0	0	0	0	0	0
	Andrews U.	0	0	0	0	0	0	0	0	0	0
	Angelo State U.	0	0	0	0	0	0	0	0	0	0
	Barnard C.	0	0	0	0	0	0	0	0	0	0
	Bates C.	0	0	0	0	0	0	0	0	0	0
	Baylor U.	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Boise State U.	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0
	CA State U. Bakersfield	0	0	0	0	0	0	0	0	0	0
	CA State U. Dominguez Hills	0	0	0	0	0	0	0	0	0	0
	CA State U. East Bay	0	0	0	0	0	0	0	0	0	0
	CA State U. Long Beach	0	0	0	0	0	0	0	0	0	0
	CA State U. Northridge	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	0	0	0	0	0	0	0	0	0	0
	Canisius C.	0	0	0	0	0	0	0	0	0	0
	Carleton C.	0	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0	0	0	0	0
	Central CT State U.	0	0	0	0	0	0	0	0	0	0
	Central WA U.	0	0	0	0	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Coe C.	0	0	0	0	0	0	0	0	0	0
	Colby C.	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	C. Wooster	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	CUNY Baruch C.	0	0	0	0	0	0	0	0	0	0
	CUNY Brooklyn C.	0	0	0	0	0	0	0	0	0	0
	CUNY C. Staten Island	0	0	0	0	0	0	0	0	0	0
	CUNY Graduate Ctr.	0	0	0	0	0	0	0	0	0	0
	CUNY Herbert H. Lehman C.	0	0	0	0	0	0	0	0	0	0
	CUNY John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0
	CUNY Queens C.	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0
	Daemen C.	0	0	0	0	0	0	0	0	0	0
	Davidson C.	0	0	0	0	0	0	0	0	0	0
	DE State U.	0	0	0	0	0	0	0	0	0	0
	Des Moines U.	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Dillard U.	0	0	0	0	0	0	0	0	0	0
	Eastern IL U.	0	0	0	0	0	0	0	0	0	0
	Eastern KY U.	0	0	0	0	0	0	0	0	0	0
	Eastern MI U.	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0	0	0	0	0
	FL Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Fordham U.	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	0	0	0	0	0	0	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0	0	0	0	0
	Goucher C.	0	0	0	0	0	0	0	0	0	0
	Governors State U.	0	0	0	0	0	0	0	0	0	0
	Grand Valley State U.	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0	0	0	0	0
	Hamilton C. (Clinton, NY)	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Hampshire C.	0	0	0	0	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	0	0	0	0	0	0	0	0	0	0
	Hobart and William Smith Colleges	0	0	0	0	0	0	0	0	0	0
	Humboldt State U.	0	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Indiana U. PA all campuses	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	0	0	0	0	0	0	0	0	0	0
	James Madison U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	Juniata C.	0	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0	0	0	0	0
	Kennesaw State U.	0	0	0	0	0	0	0	0	0	0
	KY State U.	0	0	0	0	0	0	0	0	0	0
	La Salle U.	0	0	0	0	0	0	0	0	0	0
	Lafayette C.	0	0	0	0	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0	0	0	0	0
	Lamar U.	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0
	LeTourneau U.	0	0	0	0	0	0	0	0	0	0
	Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0
	Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0
	Loyola U. Chicago	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0
	McNeese State U.	0	0	0	0	0	0	0	0	0	0
	Medical C. GA	0	0	0	0	0	0	0	0	0	0
	Medical U. SC	0	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	0	0	0	0	0	0	0	0	0	0
	Mercer U. all campuses	0	0	0	0	0	0	0	0	0	0
	Mercy C.	0	0	0	0	0	0	0	0	0	0
	Mercyhurst C.	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	Miles C.	0	0	0	0	0	0	0	0	0	0
	Millersville U. PA	0	0	0	0	0	0	0	0	0	0
	Millsaps C.	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	0	0	0	0	0	0	0	0	0
	MT State U. Billings	0	0	0	0	0	0	0	0	0	0
	MT Tech of the U. MT	0	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0
	NM Highlands U.	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	0	0	0	0	0	0	0	0	0	0
	NY Medical C.	0	0	0	0	0	0	0	0	0	0
	Nicholls State U.	0	0	0	0	0	0	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0	0	0	0	0
	Northeastern State U.	0	0	0	0	0	0	0	0	0	0
	Northern MI U.	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	Nova Southeastern U.	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Pace U. all campuses	0	0	0	0	0	0	0	0	0	0
	Pacific Lutheran U.	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0	0	0	0	0
	Rhodes C.	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Rockefeller U.	0	0	0	0	0	0	0	0	0	0
	Roger Williams U. Bristol	0	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Rose-Hulman Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Rush U.	0	0	0	0	0	0	0	0	0	0
	Sam Houston State U.	0	0	0	0	0	0	0	0	0	0
	Sarah Lawrence C.	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	0	0	0	0	0	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0	0	0	0	0
	Shaw U.	0	0	0	0	0	0	0	0	0	0
	Simmons C.	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Sonoma State U.	0	0	0	0	0	0	0	0	0	0
	Southeastern LA U.	0	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	0	0	0	0	0	0	0	0	0	0
	Southern IL U. Edwardsville	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Southwest MO State U.	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	St. Cloud State U.	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0
	St. John's U. (Jamaica, NY)	0	0	0	0	0	0	0	0	0	0
	St. Joseph's U.	0	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0
	Stephen F. Austin State U.	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
	SUNY C. Cortland	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0
	SUNY C. Old Westbury	0	0	0	0	0	0	0	0	0	0
	SUNY C. Oswego	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	0	0	0	0	0	0	0	0	0
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	TX Tech U. Health Science Ctr.	0	0	0	0	0	0	0	0	0	0
	TX Woman's U.	0	0	0	0	0	0	0	0	0	0
	Tougaloo C.	0	0	0	0	0	0	0	0	0	0
	Troy U. main campus	0	0	0	0	0	0	0	0	0	0
	Truman State U.	0	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Military Academy	0	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	0	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	0	0	0	0	0	0	0	0	0	0
	Universidad Metropolitana	0	0	0	0	0	0	0	0	0	0
	U. DC	0	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	0	0	0	0	0	0	0	0	0	0
	U. AR Pine Bluff	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	0	0	0	0	0	0	0	0	0	0
	U. GU	0	0	0	0	0	0	0	0	0	0
	U. HI Hilo	0	0	0	0	0	0	0	0	0	0
	U. Houston-Clear Lake	0	0	0	0	0	0	0	0	0	0
	U. Houston-Downtown	0	0	0	0	0	0	0	0	0	0
	U. IL Springfield	0	0	0	0	0	0	0	0	0	0
	U. LA Monroe	0	0	0	0	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0	0	0	0	0
	U. MD Biotechnology Institute	0	0	0	0	0	0	0	0	0	0
	U. MD Eastern Shore	0	0	0	0	0	0	0	0	0	0
	U. MA Boston	0	0	0	0	0	0	0	0	0	0
	U. MA Worcester	0	0	0	0	0	0	0	0	0	0
	U. New Haven	0	0	0	0	0	0	0	0	0	0
	U. NC Charlotte	0	0	0	0	0	0	0	0	0	0
	U. NC Greensboro	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	0	0	0	0	0	0	0	0	0	0
	U. NC Wilmington	0	0	0	0	0	0	0	0	0	0
	U. North FL	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	U. North TX Health Science Ctr. Ft. Worth	0	0	0	0	0	0	0	0	0	0
	U. Northern IA	0	0	0	0	0	0	0	0	0	0
	U. Portland	0	0	0	0	0	0	0	0	0	0
	U. PR Humacao	0	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	0	0	0	0	0	0	0	0	0	0
	U. Richmond	0	0	0	0	0	0	0	0	0	0
	U. San Francisco	0	0	0	0	0	0	0	0	0	0
	U. Scranton	0	0	0	0	0	0	0	0	0	0
	U. South AL	0	0	0	0	0	0	0	0	0	0
	U. SD	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	0	0	0	0	0	0	0	0	0	0
	U. TX of the Permian Basin	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	U. WI River Falls	0	0	0	0	0	0	0	0	0	0
	U. WI Stevens Point	0	0	0	0	0	0	0	0	0	0
	U. WI Stout	0	0	0	0	0	0	0	0	0	0
	U. WI Superior	0	0	0	0	0	0	0	0	0	0
	U. of the Pacific	0	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0
	U. of the VI	0	0	0	0	0	0	0	0	0	0
	Ursinus C.	0	0	0	0	0	0	0	0	0	0
	VA Military Institute	0	0	0	0	0	0	0	0	0	0
	VA State U.	0	0	0	0	0	0	0	0	0	0
	Wabash C.	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	0	0	0	0	0	0	0	0	0	0
	West TX A&M U.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	WV State U.	0	0	0	0	0	0	0	0	0	0
	Western Carolina U.	0	0	0	0	0	0	0	0	0	0
	Western CT State U.	0	0	0	0	0	0	0	0	0	0
	Western IL U.	0	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Western WA U.	0	0	0	0	0	0	0	0	0	0
	Wilberforce U.	0	0	0	0	0	0	0	0	0	0

TABLE 77. Federally financed R&D expenditures at universities and colleges, financed by the National Aeronautics and Space Administration, ranked by NASA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NASA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Wilkes U.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Winona State U.	0	0	0	0	0	0	0	0	0	0
	Yeshiva U.	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

NASA = National Aeronautics and Space Administration; nec = not elsewhere classified.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	3,550,777	402,391	594,755	576,101	193,489	784,682	45,969	108,487	71,023	773,650
1	Cornell U. all campuses	108,324	8,816	2,378	22,529	2,818	39,563	678	1,974	0	29,568
2	U. WI Madison	104,814	8,415	47,144	14,404	2,632	16,282	314	2,149	0	13,474
3	U. CA, San Diego	99,258	32,436	32,146	4,824	2,269	10,447	1,001	1,020	287	14,828
4	U. IL Urbana-Champaign	90,442	36,081	2,659	6,485	2,516	13,372	1,351	594	365	27,019
5	TX A&M U.	85,511	2,704	60,429	3,824	3,354	5,333	269	775	1,190	7,633
6	U. WA	75,028	883	25,389	6,657	3,743	9,951	384	3,354	0	24,667
7	MA Institute of Technology	73,703	13,910	11,205	3,706	3,248	16,509	92	2,149	4,359	18,525
8	U. CA, Berkeley	71,402	479	1,869	13,025	4,385	16,231	242	2,250	4,958	27,963
9	Woods Hole Oceanographic Institution	70,181	0	64,356	0	0	0	0	0	0	5,825
10	CA Institute of Technology	67,324	2,793	4,912	1,817	0	47,897	0	0	108	9,797
11	Stanford U.	59,902	8,839	9,898	5,582	3,461	7,663	851	4,174	0	19,434
12	Carnegie Mellon U.	58,839	37,559	1,043	629	1,718	2,689	776	2,215	197	12,013
13	U. MI all campuses	57,948	2,390	3,471	5,582	3,518	7,920	1,442	7,862	60	25,703
14	Columbia U. in the City of NY	57,284	4,534	19,327	2,564	1,480	16,800	370	2,151	1,084	8,974
15	U. CA, Los Angeles	51,918	10,676	3,868	4,369	3,129	17,636	693	2,193	3,261	6,093
16	MI State U.	51,671	1,029	293	11,975	3,627	28,110	600	1,606	24	4,407
17	U. MN all campuses	48,647	4,172	3,390	12,337	5,556	3,355	207	2,906	0	16,724
18	U. Chicago	47,384	15,561	3,566	3,167	2,068	21,172	1,040	810	0	0
19	GA Institute of Technology all campuses	45,889	9,231	3,094	2,150	2,617	5,218	317	1,345	1,219	20,698
20	FL State U.	45,871	2,239	3,965	3,534	480	25,796	842	860	0	8,155
21	PA State U. all campuses	44,112	1,764	7,882	7,656	2,940	8,364	713	1,381	25	13,387
22	U. CA, Santa Barbara	41,338	4,021	8,286	703	885	11,608	397	1,572	481	13,385
23	U. CO all campuses	41,281	4,321	9,699	5,561	1,216	11,702	343	1,120	84	7,235
24	OH State U. all campuses	41,025	3,457	4,143	7,526	5,762	7,352	421	2,801	1,531	8,032
25	U. TX Austin	40,079	5,127	4,430	5,913	5,203	5,479	729	1,257	1,158	10,783
26	U. MD College Park	39,187	7,914	2,391	3,652	3,687	13,462	389	922	0	6,770
27	U. CA, Davis	38,721	3,651	2,441	20,082	2,338	3,362	462	778	0	5,607
28	U. AZ	38,060	1,742	3,458	13,008	936	8,416	359	2,600	0	7,541
29	Princeton U.	37,712	4,983	4,400	2,021	2,854	9,577	810	863	0	12,204
30	U. Southern CA	36,516	11,460	7,505	4,193	1,192	2,353	1,200	302	0	8,311
31	Rutgers, The State U. NJ all campuses	35,858	2,700	4,537	2,560	5,079	12,200	773	470	0	7,539
32	U. FL	33,605	1,521	3,426	5,941	1,037	11,173	194	844	0	9,469
33	AZ State U.	33,418	2,192	2,271	5,042	4,828	6,422	546	4,850	455	6,812
34	Harvard U.	31,813	796	2,864	5,282	1,813	10,525	1,609	1,468	0	7,456
35	U. HI Manoa	29,981	32	21,458	2,485	0	2,996	0	269	1,883	858
36	Washington U. St. Louis	29,862	3,120	1,117	19,563	562	2,412	224	664	0	2,200
37	OR State U.	28,631	977	14,734	5,792	1,845	739	0	0	2,071	2,473

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
38	Boston U.	28,281	1,464	1,738	1,717	833	10,671	545	504	4,304	6,505
39	NC State U.	27,975	2,487	1,735	5,842	3,534	4,258	58	957	702	8,402
40	Duke U.	27,283	1,630	1,653	11,345	4,704	2,104	0	1,700	0	4,147
41	U. MA Amherst	27,262	7,714	1,211	2,332	1,691	2,581	395	335	0	11,003
42	Northwestern U.	26,988	243	349	534	1,005	3,652	596	1,214	2,454	16,941
43	U. CA, Irvine	26,829	5,102	1,765	3,234	1,224	8,328	309	1,691	32	5,144
44	VA Polytechnic Institute and State U.	26,512	2,058	1,554	6,555	475	3,448	3	703	6	11,710
45	CO State U.	26,248	537	8,481	4,000	1,626	2,564	196	396	0	8,448
46	Johns Hopkins U., The ^a	25,573	1,824	917	2,620	893	7,743	283	484	41	10,768
47	U. PA	23,907	4,003	76	2,529	1,424	7,213	144	1,512	232	6,774
48	IA State U.	23,048	2,262	1,602	9,345	1,433	1,725	2	225	206	6,248
49	SUNY Stony Brook all campuses	22,624	2,904	7,406	1,652	1,315	5,805	455	507	0	2,580
50	Yale U.	21,783	2,284	2,693	5,805	885	3,990	519	721	0	4,886
51	IN U. all campuses	21,484	3,660	1,254	6,784	1,309	6,644	272	1,393	56	112
52	U. UT	20,926	4,381	1,577	4,071	2,163	5,654	65	294	0	2,721
53	U. KS all campuses	20,322	351	4,633	6,486	579	4,136	103	358	257	3,419
54	NY U.	20,296	2,688	0	3,980	5,114	5,756	457	1,892	409	0
55	U. NE all campuses	20,153	2,028	2,456	5,479	960	4,372	242	101	2,328	2,187
56	Rice U.	19,647	3,734	1,317	3,767	1,878	2,834	170	211	0	5,736
57	Rensselaer Polytechnic Institute	19,486	1,811	1,225	400	1,149	3,024	120	145	0	11,612
58	Brown U.	19,342	3,643	1,749	3,446	2,995	2,523	86	716	0	4,184
59	U. SC all campuses	19,239	970	8,468	3,062	794	2,611	609	519	37	2,169
60	U. DE	18,879	835	4,973	2,309	882	3,038	34	430	1,350	5,028
61	U. NM main campus	18,429	1,139	1,717	6,673	752	2,938	26	613	2,431	2,140
62	U. GA	18,329	290	2,197	11,915	923	2,603	308	93	0	0
63	U. VA all campuses	18,257	4,994	2,562	1,088	550	2,692	903	541	0	4,927
64	U. NC Chapel Hill	17,657	1,728	2,255	4,688	1,150	6,278	825	733	0	0
65	U. KY all campuses	17,556	1,256	70	2,995	5,615	1,770	38	193	3,024	2,595
66	LA State U. all campuses	17,415	984	1,410	3,937	1,199	6,379	216	416	535	2,339
67	U. of Notre Dame	17,117	1,457	0	2,321	1,099	8,887	130	132	9	3,082
68	Northeastern U.	17,003	1,139	31	2,574	234	3,575	82	188	0	9,180
69	U. CA, Riverside	16,791	1,525	2,146	6,577	252	3,097	174	409	0	2,611
70	U. CA, Santa Cruz	16,122	911	3,552	594	353	8,350	0	490	0	1,872
71	U. Pittsburgh all campuses	16,065	2,038	447	2,243	990	3,884	49	749	2,115	3,550
72	U. IL Chicago	16,064	3,950	258	4,118	1,508	2,069	608	815	41	2,697
73	U. TN all campuses	15,685	2,369	155	4,631	488	2,798	0	711	348	4,185
74	U. Miami	15,552	106	12,495	839	336	981	35	5	0	755
75	U. MO-Columbia	14,545	254	577	8,300	1,252	2,109	20	90	0	1,943

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
76	U. RI	14,403	403	8,851	1,941	0	168	0	0	1,209	1,831
77	SUNY Buffalo all campuses	13,059	1,559	825	1,600	299	2,736	186	845	0	5,009
78	Vanderbilt U.	11,840	0	376	1,361	1,071	2,240	346	400	0	6,046
79	U. OR	11,438	1,016	1,685	2,220	582	4,837	167	818	0	113
80	U. ME	11,301	23	4,426	1,104	0	871	0	5	2,872	2,000
81	U. CT all campuses	11,246	878	1,507	3,361	271	1,963	465	366	0	2,435
82	U. Rochester	10,267	1,461	860	2,822	257	2,777	353	183	0	1,554
83	U. NH	10,249	137	4,575	2,302	194	958	104	0	868	1,111
84	Clemson U.	10,134	71	0	815	320	2,280	86	345	0	6,217
85	U. OK all campuses	10,099	512	4,130	1,351	336	2,395	144	254	0	977
86	FL International U.	9,825	3,140	50	2,198	116	2,016	42	266	0	1,997
87	MT State U. Bozeman	9,728	81	444	3,767	669	1,925	42	91	1,555	1,154
88	U. PR Rio Piedras Campus	9,727	0	1,209	915	188	7,258	105	52	0	0
89	U. IA	9,434	524	495	2,505	999	1,977	399	121	0	2,414
90	Lehigh U.	8,908	676	396	2	93	1,050	3	78	0	6,610
91	Drexel U.	8,858	2,135	0	138	244	818	0	0	0	5,523
92	Case Western Reserve U.	8,770	177	232	337	500	2,346	106	129	0	4,943
93	U. AL, The	8,587	46	228	1,774	5	1,132	0	6	0	5,396
94	Dartmouth C.	8,527	787	530	2,941	352	1,688	916	81	333	899
95	U. WY	8,479	67	3,382	2,618	36	1,192	2	97	825	260
96	WA State U.	8,316	24	519	3,817	44	1,316	106	474	0	2,016
97	NM State U. main campus	8,026	1,393	1	1,801	89	1,203	38	261	69	3,171
98	NJ Institute of Technology	7,991	836	0	0	1,055	2,636	0	147	129	3,188
99	U. South FL	7,938	0	1,904	440	49	865	283	754	32	3,611
100	U. NV, Reno	7,774	223	916	3,324	57	1,053	0	34	0	2,167
101	Syracuse U. all campuses	7,769	957	1,681	953	588	3,012	23	401	1	153
102	U. MT-Missoula, The	7,566	119	340	4,836	714	1,544	0	13	0	0
103	U. Houston	7,023	1,701	324	295	892	1,474	54	333	0	1,950
104	Auburn U. all campuses	6,826	0	148	2,452	178	866	13	152	0	3,017
105	GA State U.	6,758	117	156	4,642	108	1,138	0	570	27	0
106	U. TX El Paso	6,586	1,194	1,798	992	83	1,183	51	3	0	1,282
107	U. ID	6,368	85	813	2,072	116	768	0	139	1,540	835
108	C. of William and Mary all campuses	6,359	306	3,655	245	224	1,341	0	319	269	0
109	U. Central FL	6,175	0	11	318	230	2,226	0	62	400	2,928
110	U. AR main campus	6,115	0	366	858	120	2,625	99	87	0	1,960
111	U. Cincinnati all campuses	5,821	0	112	612	104	1,560	93	231	0	3,109
112	Brandeis U.	5,792	558	0	1,958	270	2,414	347	245	0	0
113	UT State U.	5,764	97	2,670	1,173	214	439	338	81	0	752

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
114	TX Tech U.	5,756	0	364	595	393	1,174	0	1,064	0	2,166
115	Wayne State U.	5,749	929	0	400	411	2,445	67	178	160	1,159
116	U. WI Milwaukee	5,746	128	641	562	468	3,181	0	218	0	548
117	San Diego State U.	5,620	164	872	2,140	419	1,584	0	60	8	373
118	OK State U. all campuses	5,614	0	319	1,298	41	1,088	58	130	1,409	1,271
119	WV U.	5,551	0	310	837	175	1,564	0	60	1,347	1,258
120	U. AL Birmingham, The	5,388	33	0	988	2,450	1,498	64	70	0	285
121	Brigham Young U. all campuses	5,361	649	120	1,252	531	807	0	174	0	1,828
122	MS State U.	5,297	1,056	0	28	125	396	393	1	2,004	1,294
123	MI Technological U.	5,246	85	789	0	61	614	0	208	0	3,489
124	Jackson State U.	5,203	82	0	1,866	333	2,709	0	0	86	127
125	Emory U.	5,034	0	0	2,204	359	1,813	239	278	0	141
126	U. Southern MS	4,963	3	760	310	84	3,636	15	39	92	24
127	U. Akron all campuses	4,902	0	162	342	160	3,422	0	8	0	808
128	OR Health & Science U.	4,689	3,894	0	795	0	0	0	0	0	0
129	Polytechnic U.	4,537	1,000	0	0	396	416	0	329	0	2,396
130	Boston C.	4,464	3	905	396	172	2,342	617	29	0	0
131	Portland State U.	4,442	1,355	681	880	130	564	0	55	0	777
132	OH U. all campuses	4,424	0	0	3,244	0	474	677	0	0	29
133	U. TX Dallas	4,410	683	32	740	20	1,121	593	177	95	949
134	George Mason U.	4,407	605	1,192	762	487	297	86	308	0	670
135	Tufts U.	4,394	201	39	590	322	921	427	0	0	1,894
136	Old Dominion U.	4,378	391	1,482	833	145	735	214	51	0	527
137	SUNY Albany	4,347	319	1,369	1,344	86	7	284	923	0	15
138	U. Louisville	4,316	362	96	470	72	1,757	0	164	28	1,367
139	U. MO-Rolla	4,309	275	6	316	0	613	0	0	0	3,099
140	CUNY The City C.	4,232	0	0	277	150	2,673	46	0	0	1,086
141	ND State U. all campuses	4,111	141	23	788	310	816	118	0	1,354	561
142	VA Commonwealth U.	4,007	0	0	846	1,520	745	0	0	0	896
143	Tulane U.	3,967	0	89	1,321	835	1,120	83	48	0	471
144	U. NC Charlotte	3,959	1,429	89	135	245	365	83	90	0	1,523
145	CA State U. Los Angeles	3,908	0	722	637	95	1,436	0	0	0	1,018
146	U. VT	3,764	248	161	1,744	83	488	0	0	836	204
147	George Washington U.	3,724	393	0	776	57	1,147	89	883	20	359
148	CO School of Mines	3,711	0	165	0	230	1,058	0	0	482	1,776
149	Desert Research Institute	3,602	0	3,126	476	0	0	0	0	0	0
150	Temple U.	3,458	463	43	96	55	1,558	479	250	0	514
151	San Jose State U.	3,437	71	1,821	54	164	825	0	0	0	502

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
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152	U. TX Arlington	3,414	866	241	420	161	990	18	38	0	680
153	Northern AZ U.	3,408	0	674	2,316	79	117	0	67	13	142
154	CA State U. Dominguez Hills	3,302	116	0	0	3,085	97	0	4	0	0
155	Naval Postgraduate School	3,212	532	2,283	0	0	208	0	75	0	114
156	U. MA Lowell	3,181	626	302	195	59	168	0	126	0	1,705
157	U. North TX	3,162	510	221	555	131	1,091	0	214	0	440
158	IL Institute of Technology	3,129	749	0	8	334	730	0	0	0	1,308
159	U. Memphis, The	3,097	633	424	177	225	814	689	14	0	121
160	Georgetown U.	3,008	18	0	951	161	1,381	192	305	0	0
161	CA State U. Northridge	2,945	0	664	0	1,054	823	59	109	86	150
162	Clarkson U.	2,945	61	0	53	36	564	0	0	0	2,231
163	SD State U.	2,898	0	0	2,599	0	71	0	0	0	228
164	U. NV, Las Vegas	2,865	19	490	774	96	1,023	4	35	0	424
165	U. MA Boston	2,803	1,193	671	740	0	0	163	36	0	0
166	San Francisco State U.	2,771	50	900	904	64	845	0	8	0	0
167	Western MI U.	2,729	63	253	165	1,430	385	56	52	0	325
168	FL Atlantic U.	2,677	198	30	134	726	81	58	0	1,251	199
169	Kent State U. all campuses	2,635	567	183	59	170	1,637	0	19	0	0
170	Baylor C. of Medicine	2,621	0	0	2,621	0	0	0	0	0	0
171	NC Agricultural and Technical State U.	2,620	114	0	31	0	306	0	0	0	2,169
172	SUNY Binghamton	2,611	779	619	172	205	362	120	196	0	158
173	ID State U.	2,599	0	186	1,722	18	97	0	517	59	0
174	La Salle U.	2,598	0	0	0	18	0	0	0	2,580	0
175	Stevens Institute of Technology	2,551	691	113	42	44	0	0	0	168	1,493
176	Southern IL U. Carbondale	2,548	0	221	996	186	784	0	26	195	140
177	U. MS all campuses	2,502	123	0	1,424	4	495	0	310	0	146
178	U. MD Ctr. for Environmental Science	2,491	0	2,491	0	0	0	0	0	0	0
179	Worcester Polytechnic Institute	2,480	672	0	20	606	244	0	18	0	920
180	U. ND all campuses	2,341	0	238	937	6	537	37	0	170	416
181	U. MD Biotechnology Institute	2,289	0	1,371	918	0	0	0	0	0	0
182	Boise State U.	2,272	0	687	116	59	256	0	99	0	1,055
183	Scripps Research Institute, The	2,264	0	0	2,264	0	0	0	0	0	0
184	SD School of Mines and Technology	2,262	0	402	0	0	0	0	0	0	1,860
185	Norfolk State U.	2,208	343	0	195	23	1,413	0	0	0	234
186	U. MA Dartmouth	2,199	68	537	70	708	213	36	0	0	567
187	TX A&M U. Kingsville	2,183	200	98	0	0	0	0	0	0	1,885
188	CA State U. Fullerton	2,051	0	148	516	0	36	2	1,244	105	0
189	U. AL Huntsville, The	1,988	294	827	101	80	364	0	8	0	314

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
190	DE State U.	1,976	0	0	361	0	1,126	0	0	489	0
191	U. Toledo	1,900	0	275	192	22	914	33	0	0	464
192	Southern Methodist U.	1,880	4	268	198	106	598	217	36	0	453
193	Clark Atlanta U.	1,848	312	0	398	0	1,138	0	0	0	0
194	U. Southern ME	1,846	19	87	1,588	0	18	0	134	0	0
195	CUNY Hunter C.	1,842	181	20	345	13	592	656	35	0	0
196	U. of the VI	1,842	0	0	1,842	0	0	0	0	0	0
197	U. MO-St. Louis	1,800	0	0	1,478	39	237	0	46	0	0
198	East Carolina U.	1,794	0	198	594	155	497	0	350	0	0
199	Northern IL U.	1,794	115	710	107	123	581	0	63	0	95
200	U. Tulsa	1,794	1,235	79	209	0	97	0	44	0	130
201	NM Institute of Mining and Technology	1,793	454	0	0	0	1,216	0	0	0	123
202	Gallaudet U.	1,757	0	0	411	0	46	1,300	0	0	0
203	Smith C.	1,720	397	7	593	65	273	190	29	0	166
204	AL A&M U.	1,719	0	0	902	0	737	0	0	0	80
205	Western WA U.	1,705	0	622	525	68	406	0	84	0	0
206	U. SD	1,704	192	0	416	0	1,096	0	0	0	0
207	U. HI Hilo	1,685	0	1,108	183	0	0	0	0	394	0
208	TX A&M U. Corpus Christi	1,673	300	25	284	705	262	0	0	36	61
209	Marquette U.	1,662	0	0	136	281	609	0	61	0	575
210	FL Institute of Technology	1,658	32	0	616	6	858	0	0	0	146
211	Oglala Lakota C.	1,590	0	734	734	0	0	0	0	63	59
212	Wichita State U.	1,568	59	0	248	176	611	2	0	0	472
213	Hampton U.	1,473	0	24	25	184	1,164	0	0	0	76
214	U. PR Humacao	1,450	0	0	450	0	1,000	0	0	0	0
215	U. South AL	1,433	0	327	126	132	323	0	0	0	525
216	Wesleyan U.	1,416	0	43	389	39	817	113	15	0	0
217	LA Tech U.	1,405	38	0	55	49	307	44	0	0	912
218	Mt. Holyoke C.	1,378	26	265	89	255	728	0	15	0	0
219	Wake Forest U.	1,369	51	0	557	0	741	3	17	0	0
220	U. NC Wilmington	1,349	32	520	409	18	370	0	0	0	0
221	Bowling Green State U. all campuses	1,342	59	29	204	294	639	117	0	0	0
222	TN Technological U.	1,328	17	0	53	28	364	171	0	0	695
223	Oakland U.	1,308	329	0	251	44	409	0	0	0	275
224	Central WA U.	1,303	0	1,180	111	4	8	0	0	0	0
225	CUNY Queens C.	1,296	0	102	636	0	447	37	74	0	0
226	TN State U.	1,293	0	0	0	212	462	0	0	0	619
227	U. MO-Kansas City	1,290	0	0	579	60	265	0	0	0	386

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
228	U. TX San Antonio	1,287	382	68	167	66	71	0	2	0	531
229	James Madison U.	1,269	1	0	763	65	403	0	0	0	37
230	U. CA, Merced	1,247	0	410	199	47	156	0	27	0	408
231	FL A&M U.	1,244	118	316	48	49	246	0	0	0	467
232	U. LA Lafayette	1,201	366	0	637	0	0	0	13	0	185
233	Rochester Institute of Technology	1,196	94	0	0	144	388	146	0	0	424
234	IL State U.	1,192	0	0	638	29	525	0	0	0	0
235	Barnard C.	1,190	0	250	92	113	276	457	2	0	0
236	Carleton C.	1,167	0	667	242	98	148	12	0	0	0
237	Hope C.	1,130	220	41	274	23	407	0	0	0	165
238	Duquesne U.	1,120	0	0	127	169	824	0	0	0	0
239	U. CA, San Francisco	1,093	0	0	949	0	144	0	0	0	0
240	St. Louis U. all campuses	1,084	0	186	621	17	13	0	53	0	194
241	Colgate U.	1,068	50	379	225	37	292	11	74	0	0
242	Catholic U. America, The	1,067	0	0	171	0	569	0	72	0	255
243	C. Charleston	1,037	0	546	14	186	291	0	0	0	0
244	U. Richmond	1,019	0	0	224	113	401	281	0	0	0
245	CUNY Graduate Ctr.	1,015	35	41	16	0	230	0	693	0	0
246	Harvey Mudd C.	1,007	268	0	88	211	440	0	0	0	0
247	Marshall U.	1,006	0	0	917	18	71	0	0	0	0
248	Morgan State U.	1,004	32	0	40	48	105	0	362	0	417
249	Fisk U.	1,000	0	0	0	0	1,000	0	0	0	0
250	U. NC Greensboro	995	0	0	398	190	290	45	72	0	0
251	Wright State U. all campuses	993	235	83	140	29	270	53	0	0	183
252	Rowan U.	970	0	0	73	5	165	0	0	0	727
253	CA State Polytechnic U. San Luis Obispo	958	47	250	19	60	15	0	0	0	567
254	Amherst C.	938	0	22	430	19	404	0	63	0	0
255	SUNY C. of Environmental Science and Forestry	927	0	144	639	0	96	0	0	0	48
256	U. of Medicine and Dentistry NJ	922	0	0	922	0	0	0	0	0	0
257	Rockefeller U.	916	0	0	376	433	107	0	0	0	0
258	St. Joseph's U.	911	517	0	394	0	0	0	0	0	0
259	Clark U.	905	0	84	432	0	140	3	246	0	0
260	Ithaca C.	901	79	0	207	596	15	4	0	0	0
261	U. Denver	897	298	0	99	0	209	0	63	0	228
262	TX Southern U.	864	0	0	631	0	217	0	16	0	0
263	Wellesley C.	840	113	0	116	34	289	0	84	204	0
264	MS Valley State U.	818	313	0	0	0	0	0	0	0	505

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
265	Middlebury C.	813	0	140	0	98	420	28	127	0	0
266	Savannah State U.	804	0	213	0	0	0	0	0	0	591
267	U. TX-Pan American	772	0	0	189	0	206	0	27	0	350
268	CA State U. Long Beach	751	0	0	305	57	379	0	0	0	10
269	U. WI La Crosse	746	17	0	463	0	266	0	0	0	0
270	Bucknell U.	744	0	0	307	0	194	0	0	0	243
271	St. Olaf C.	718	0	0	384	16	245	73	0	0	0
272	Franklin & Marshall C.	710	0	42	108	64	463	0	33	0	0
273	U. Northern CO	678	0	36	62	0	401	0	0	179	0
274	DePaul U.	670	507	0	0	3	108	52	0	0	0
275	Southern IL U. Edwardsville	654	91	0	294	56	206	0	0	0	7
276	Lafayette C.	653	0	85	22	140	246	0	0	0	160
277	Bowdoin C.	647	27	180	105	42	151	85	57	0	0
278	Pomona C.	647	168	26	165	13	169	106	0	0	0
279	Morehouse C.	634	44	0	306	17	265	2	0	0	0
280	U. TX Southwestern Medical Ctr. Dallas	629	0	0	629	0	0	0	0	0	0
281	U. WI Eau Claire	627	9	48	104	30	436	0	0	0	0
282	Middle TN State U.	626	99	0	162	2	333	0	0	0	30
283	Spelman C.	608	135	0	176	44	253	0	0	0	0
284	Oberlin C.	603	0	178	129	0	245	24	27	0	0
285	U. TX Medical Branch	603	0	0	406	0	0	0	0	0	197
286	U. West GA	598	28	100	131	5	304	0	30	0	0
287	CUNY Brooklyn C.	591	419	0	107	63	2	0	0	0	0
288	Bowie State U.	590	590	0	0	0	0	0	0	0	0
289	Millersville U. PA	587	87	416	84	0	0	0	0	0	0
290	Central MI U.	584	0	48	75	262	187	0	0	0	12
291	Elizabeth City State U.	580	0	0	580	0	0	0	0	0	0
292	Prairie View A&M U.	569	0	0	0	0	16	0	0	0	553
293	U. North FL	569	0	0	165	12	291	2	0	0	99
294	Dillard U.	566	0	0	566	0	0	0	0	0	0
295	Augsburg C.	547	99	0	0	0	448	0	0	0	0
296	Occidental C.	540	0	71	61	0	408	0	0	0	0
297	GA Southern U.	539	13	1	300	47	178	0	0	0	0
298	CUNY C. Staten Island	527	0	0	17	134	376	0	0	0	0
299	Hamilton C. (Clinton, NY)	526	0	154	14	0	301	0	57	0	0
300	Appalachian State U.	501	40	48	279	0	134	0	0	0	0
301	Creighton U.	499	0	0	497	0	2	0	0	0	0
302	U. WI Oshkosh	498	21	33	376	0	68	0	0	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
303	West Chester U. PA	497	0	0	280	0	217	0	0	0	0
304	Milwaukee School of Engineering	495	0	0	207	0	40	0	0	0	248
305	Union C. (Schenectady, NY)	494	54	92	0	0	98	26	11	0	213
306	CUNY Herbert H. Lehman C.	489	0	0	0	273	54	0	31	131	0
307	U. of the Pacific	488	0	0	244	0	206	0	0	0	38
308	IL Wesleyan U.	486	0	0	24	0	359	100	3	0	0
309	Loyola U. Chicago	475	0	0	141	0	155	131	48	0	0
310	Towson U.	475	179	0	116	0	122	0	58	0	0
311	Vassar C.	475	64	81	180	0	84	0	66	0	0
312	Evergreen State C.	467	47	414	0	0	0	0	0	6	0
313	Trinity U.	460	27	52	93	70	196	0	22	0	0
314	Teachers C. Columbia U.	456	0	0	73	0	0	48	335	0	0
315	VA State U.	453	0	0	2	0	0	0	0	0	451
316	U. TX Health Science Ctr. Houston	448	0	0	448	0	0	0	0	0	0
317	Davidson C.	445	0	0	320	125	0	0	0	0	0
318	U. DC	439	0	0	439	0	0	0	0	0	0
319	U. North TX Health Science Ctr. Ft. Worth	417	0	0	417	0	0	0	0	0	0
320	Ball State U.	415	0	10	181	104	111	0	9	0	0
321	Humboldt State U.	413	206	54	153	0	0	0	0	0	0
322	Medical U. SC	396	0	0	396	0	0	0	0	0	0
323	Hampshire C.	391	13	90	245	0	15	0	21	7	0
324	Trinity C. (Hartford, CT)	389	0	0	24	0	334	0	0	31	0
325	Benedict C.	388	34	34	104	34	34	0	0	0	148
326	Baylor U.	387	146	1	0	22	107	0	0	0	111
327	U. Dayton	386	65	0	23	0	12	0	0	69	217
328	Sarah Lawrence C.	385	6	115	58	0	172	0	0	34	0
329	Muhlenberg C.	384	0	0	384	0	0	0	0	0	0
330	Saginaw Valley State U.	384	0	0	0	0	0	0	0	0	384
331	Bryn Mawr C.	382	0	130	100	17	117	0	18	0	0
332	Western KY U.	366	14	1	161	1	180	9	0	0	0
333	U.S. Air Force Academy	363	0	0	0	0	168	0	6	189	0
334	U. MA Worcester	361	0	0	361	0	0	0	0	0	0
335	Hobart and William Smith Colleges	359	0	215	0	0	144	0	0	0	0
336	Lewis and Clark C.	357	12	4	309	0	32	0	0	0	0
337	Adelphi U.	350	0	0	350	0	0	0	0	0	0
338	U. NC Asheville	349	0	17	0	43	289	0	0	0	0
339	Cleveland State U.	347	0	0	106	0	8	0	0	0	233

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
340	U. Portland	347	0	12	75	46	148	0	66	0	0
341	C. of the Holy Cross	341	0	0	0	128	162	51	0	0	0
342	Hofstra U.	335	0	0	159	0	95	81	0	0	0
343	Point Loma Nazarene C.	334	0	0	254	0	80	0	0	0	0
344	Loyola Marymount U.	333	0	0	0	54	41	16	0	0	222
345	CA State U. San Bernardino	323	40	119	14	126	24	0	0	0	0
346	CT C.	321	17	0	154	0	150	0	0	0	0
347	Southern U. and A&M C. all campuses	321	0	0	0	0	6	0	315	0	0
348	Fayetteville State U.	318	0	0	0	318	0	0	0	0	0
349	Macalester C.	317	0	44	23	41	170	0	39	0	0
350	AR State U. main campus	314	0	0	90	0	224	0	0	0	0
351	SUNY C. Brockport	313	0	0	113	0	200	0	0	0	0
352	Alfred U. all campuses	303	0	36	0	0	54	0	0	0	213
353	Gettysburg C.	300	0	10	34	0	163	0	93	0	0
354	MT Tech of the U. MT	298	0	213	0	0	3	0	0	0	82
355	Lamar U.	288	12	0	0	16	20	0	0	0	240
356	St. Cloud State U.	282	0	0	136	0	58	0	88	0	0
357	Grambling State U.	279	0	0	0	0	279	0	0	0	0
358	Jacksonville State U.	276	0	0	276	0	0	0	0	0	0
359	Southeastern LA U.	273	0	0	147	7	119	0	0	0	0
360	U.S. Naval Academy	273	0	0	0	171	97	0	0	0	5
361	CA State Polytechnic U. Pomona	272	0	0	272	0	0	0	0	0	0
362	Central State U.	272	30	0	32	0	50	0	0	0	160
363	Bates C.	271	0	48	23	11	189	0	0	0	0
364	U. San Francisco	271	0	0	0	0	200	0	71	0	0
365	Coastal Carolina U.	257	0	210	0	0	47	0	0	0	0
366	Xavier U. LA	254	145	0	0	0	96	0	0	0	13
367	John Carroll U.	250	0	0	29	221	0	0	0	0	0
368	Reed C.	244	0	0	242	0	0	0	2	0	0
369	Rider U.	241	0	0	241	0	0	0	0	0	0
370	Washington and Lee U.	241	51	0	37	0	153	0	0	0	0
371	Youngstown State U.	238	0	0	96	1	141	0	0	0	0
372	Medical C. WI	237	0	0	237	0	0	0	0	0	0
373	TX Christian U.	236	7	0	0	0	224	0	0	0	5
374	KY State U.	231	0	0	230	0	0	0	0	0	1
375	Swarthmore C.	231	0	0	34	28	131	0	0	14	24
376	CA State U. Fresno	230	NA	NA	NA	NA	NA	NA	NA	NA	NA
377	Truman State U.	230	0	0	213	0	17	0	0	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
378	Fordham U.	229	0	0	146	0	0	4	0	79	0
379	Colby C.	227	0	20	32	0	158	0	17	0	0
380	Valparaiso U.	225	0	0	54	63	65	0	0	0	43
381	New School, The	223	0	0	0	0	0	174	49	0	0
382	Roger Williams U. Bristol	221	0	0	0	0	221	0	0	0	0
383	Calvin C.	220	3	0	0	39	0	0	0	178	0
384	Eastern IL U.	219	0	19	59	13	76	52	0	0	0
385	Bradley U.	218	0	0	46	0	119	0	0	0	53
386	Dickinson C.	217	40	74	41	0	62	0	0	0	0
387	U. Puget Sound	217	0	1	216	0	0	0	0	0	0
388	U. TX Health Science Ctr. San Antonio	217	0	0	217	0	0	0	0	0	0
389	Southwest MO State U.	209	0	119	48	0	42	0	0	0	0
390	C. Wooster	208	0	28	31	0	149	0	0	0	0
391	Whitman C.	206	0	73	128	0	5	0	0	0	0
392	IN State U. all campuses	195	0	140	55	0	0	0	0	0	0
393	Southern Polytechnic State U.	193	41	0	0	0	0	0	0	152	0
394	Sinte Gleska U.	189	0	0	0	0	28	0	0	0	161
395	SUNY C. Plattsburgh	189	0	29	0	0	160	0	0	0	0
396	Goucher C.	185	0	0	185	0	0	0	0	0	0
397	Morehead State U.	184	0	0	124	25	0	35	0	0	0
398	Pacific Lutheran U.	184	0	0	0	0	184	0	0	0	0
399	West TX A&M U.	184	0	0	63	0	0	0	0	0	121
400	Andrews U.	182	0	0	2	64	30	0	86	0	0
401	U. Hartford	182	182	0	0	0	0	0	0	0	0
402	U. AR for Medical Sciences	181	0	0	181	0	0	0	0	0	0
403	U. TX M. D. Anderson Cancer Ctr.	181	0	0	111	0	70	0	0	0	0
404	CUNY John Jay C. of Criminal Justice	179	0	0	0	11	0	168	0	0	0
405	Wabash C.	178	0	0	0	75	103	0	0	0	0
406	Mercy C.	177	0	0	177	0	0	0	0	0	0
407	CA State U. East Bay	173	0	0	0	28	111	0	0	34	0
408	Ursinus C.	171	0	4	137	0	30	0	0	0	0
409	Allegheny C.	170	0	29	0	0	141	0	0	0	0
410	CA State U. Bakersfield	169	0	0	58	47	64	0	0	0	0
411	Mt. Sinai School of Medicine	167	0	0	167	0	0	0	0	0	0
412	U. WI Stout	165	0	0	31	130	0	0	0	4	0
413	NY Medical C.	164	0	0	164	0	0	0	0	0	0
414	U. IL Springfield	164	104	0	0	0	5	0	55	0	0
415	CA State U. Sacramento	163	0	0	0	0	0	0	0	0	163

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
416	Northeastern IL U.	160	0	0	0	52	108	0	0	0	0
417	U. WI Whitewater	159	0	0	159	0	0	0	0	0	0
418	Furman U.	157	22	53	0	0	82	0	0	0	0
419	Northern KY U.	157	0	0	33	0	124	0	0	0	0
420	SUNY C. Geneseo	157	27	0	0	130	0	0	0	0	0
421	Southern U. New Orleans	154	0	0	0	0	0	0	0	154	0
422	U. CA Office of the President	154	0	0	0	0	0	0	0	154	0
423	Jacksonville U.	153	0	0	153	0	0	0	0	0	0
424	Kettering U.	149	0	0	0	0	15	0	0	0	134
425	Southern OR U.	149	0	0	149	0	0	0	0	0	0
426	Lawrence Technological U.	147	0	0	0	0	0	0	0	0	147
427	Denison U.	146	0	19	44	5	78	0	0	0	0
428	Murray State U.	143	0	0	27	116	0	0	0	0	0
429	Grinnell C.	138	50	0	0	88	0	0	0	0	0
430	Christopher Newport U.	133	0	0	0	0	133	0	0	0	0
431	Coe C.	132	0	0	0	0	132	0	0	0	0
432	Thomas Jefferson U.	132	0	0	132	0	0	0	0	0	0
433	Western Carolina U.	130	0	119	3	0	8	0	0	0	0
434	Augustana C. (Sioux Falls, SD)	128	0	0	0	0	128	0	0	0	0
435	SUNY C. Cortland	128	0	71	0	0	57	0	0	0	0
436	Black Hills State U.	127	0	0	127	0	0	0	0	0	0
437	Western CT State U.	127	0	0	32	0	95	0	0	0	0
438	Dowling C.	126	70	0	56	0	0	0	0	0	0
439	Eastern KY U.	119	0	110	9	0	0	0	0	0	0
440	U. WI River Falls	118	0	0	3	0	115	0	0	0	0
441	American U.	117	0	0	59	0	0	0	58	0	0
442	LeTourneau U.	117	0	0	0	0	0	0	0	0	117
443	Skidmore C.	113	0	0	42	0	0	71	0	0	0
444	U. PR Medical Sciences Campus	113	0	0	113	0	0	0	0	0	0
445	Kennesaw State U.	112	0	0	112	0	0	0	0	0	0
446	Sweet Briar C.	111	0	0	111	0	0	0	0	0	0
447	U. New England	111	0	0	111	0	0	0	0	0	0
448	U. GU	110	0	76	34	0	0	0	0	0	0
449	Chapman U.	105	0	0	58	42	5	0	0	0	0
450	NM Highlands U.	105	0	0	0	0	105	0	0	0	0
451	Providence C.	105	0	0	93	0	12	0	0	0	0
452	WV State U.	105	0	94	11	0	0	0	0	0	0
453	Governors State U.	104	104	0	0	0	0	0	0	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
454	OR Institute of Technology	103	42	0	0	0	0	0	0	0	61
455	Loyola U. New Orleans	95	0	0	0	0	95	0	0	0	0
456	Grand Valley State U.	94	0	38	54	0	2	0	0	0	0
457	Hendrix C.	93	0	7	85	0	0	0	0	0	1
458	Juniata C.	92	0	0	22	0	70	0	0	0	0
459	Lawrence U.	92	0	0	6	0	86	0	0	0	0
460	Midwestern U. (Chicago, IL)	87	0	0	87	0	0	0	0	0	0
461	Sonoma State U.	87	0	0	61	0	0	14	12	0	0
462	Willamette U.	87	0	0	2	74	0	0	0	11	0
463	Gustavus Adolphus C.	82	0	36	0	1	45	0	0	0	0
464	MN State U. Mankato	82	0	0	3	0	52	0	0	0	27
465	OH Wesleyan U.	81	0	0	25	9	47	0	0	0	0
466	East TN State U.	77	0	0	0	0	77	0	0	0	0
467	Eastern MI U.	77	0	0	0	48	0	0	29	0	0
468	Canisius C.	76	0	0	0	35	41	0	0	0	0
469	Kalamazoo C.	73	0	0	52	0	21	0	0	0	0
470	Miles C.	72	0	0	0	0	72	0	0	0	0
471	VA Military Institute	71	0	0	0	0	0	0	0	0	71
472	Medical C. GA	70	0	0	70	0	0	0	0	0	0
473	U. Central OK	69	0	0	69	0	0	0	0	0	0
474	CA State U. Monterey Bay	68	0	26	42	0	0	0	0	0	0
475	Eastern OR U.	68	0	0	0	0	68	0	0	0	0
476	Morehouse School of Medicine	67	0	0	67	0	0	0	0	0	0
477	TX Tech U. Health Science Ctr.	66	0	0	66	0	0	0	0	0	0
478	TX A&M U. Commerce	64	15	0	0	0	49	0	0	0	0
479	U. NC Pembroke	63	0	58	0	0	5	0	0	0	0
480	Pitzer C.	62	0	0	0	62	0	0	0	0	0
481	Central CT State U.	61	0	0	8	0	51	0	2	0	0
482	Mt. St. Mary's C. (Los Angeles, CA)	61	0	0	0	0	61	0	0	0	0
483	Rhodes C.	61	0	0	61	0	0	0	0	0	0
484	U. MD Baltimore County	61	0	0	0	0	0	0	61	0	0
485	Northeastern OH Universities C. of Medicine	60	0	0	60	0	0	0	0	0	0
486	FL Gulf Coast U.	58	7	0	51	0	0	0	0	0	0
487	Pace U. all campuses	56	22	0	34	0	0	0	0	0	0
488	SUNY Upstate Medical U.	54	0	0	54	0	0	0	0	0	0
489	U. TX of the Permian Basin	52	0	0	0	0	0	0	43	9	0
490	Millsaps C.	47	0	0	0	0	0	0	47	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
491	Rose-Hulman Institute of Technology	47	0	0	0	0	47	0	0	0	0
492	Sam Houston State U.	45	0	45	0	0	0	0	0	0	0
493	U. Houston-Clear Lake	45	15	0	0	0	0	30	0	0	0
494	U. of St. Thomas (St. Paul, MN)	45	0	0	14	0	31	0	0	0	0
495	U. of the Sciences Philadelphia	42	0	0	0	0	42	0	0	0	0
496	Western IL U.	42	0	0	0	0	42	0	0	0	0
497	SUNY C. Buffalo	40	0	40	0	0	0	0	0	0	0
498	U. TX Tyler	39	12	0	7	0	0	0	0	0	20
499	U. LA Monroe	38	0	0	38	0	0	0	0	0	0
500	U. West FL	38	0	0	0	38	0	0	0	0	0
501	Troy U. main campus	36	0	0	36	0	0	0	0	0	0
502	U. WI Superior	36	0	0	0	36	0	0	0	0	0
503	SUNY C. Old Westbury	35	0	0	0	5	30	0	0	0	0
504	Universidad Metropolitana	35	0	9	26	0	0	0	0	0	0
505	U. Northern IA	34	0	0	0	0	34	0	0	0	0
506	Mercer U. all campuses	33	0	0	0	0	33	0	0	0	0
507	Rush U.	31	0	0	31	0	0	0	0	0	0
508	Tuskegee U.	31	0	0	31	0	0	0	0	0	0
509	Alcorn State U.	28	0	0	28	0	0	0	0	0	0
510	U. WI Green Bay	27	0	27	0	0	0	0	0	0	0
511	U.S. Military Academy	24	0	0	0	24	0	0	0	0	0
512	Tougaloo C.	23	0	0	23	0	0	0	0	0	0
513	Drake U.	21	0	0	21	0	0	0	0	0	0
514	Monmouth U.	18	0	0	0	0	18	0	0	0	0
515	Stephen F. Austin State U.	18	0	0	14	0	0	0	4	0	0
516	Lake Forest C.	17	0	0	17	0	0	0	0	0	0
517	Lincoln U. (Lincoln University, PA)	17	0	0	17	0	0	0	0	0	0
518	Indiana U. PA all campuses	16	0	16	0	0	0	0	0	0	0
519	SUNY C. Oswego	16	0	16	0	0	0	0	0	0	0
520	U. WI Parkside	16	0	0	0	0	16	0	0	0	0
521	CO State U. Pueblo	14	0	0	0	0	14	0	0	0	0
522	SUNY Health Science Ctr. Brooklyn	14	0	0	14	0	0	0	0	0	0
523	U. Houston-Downtown	14	14	0	0	0	0	0	0	0	0
524	U. of the South	13	10	3	0	0	0	0	0	0	0
525	Angelo State U.	12	0	0	0	0	12	0	0	0	0
526	Simmons C.	11	0	0	0	0	11	0	0	0	0
527	U. AR Pine Bluff	11	0	0	0	0	11	0	0	0	0
528	MT State U. Billings	10	0	0	0	0	0	0	10	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
529	Nova Southeastern U.	10	0	10	0	0	0	0	0	0	0
530	AL State U.	9	0	0	0	0	0	0	9	0	0
531	CUNY Baruch C.	9	0	0	0	9	0	0	0	0	0
532	Northern MI U.	9	0	0	9	0	0	0	0	0	0
533	U. WI Stevens Point	9	0	0	0	0	1	0	8	0	0
534	Meharry Medical C.	8	0	0	8	0	0	0	0	0	0
535	Philadelphia U.	8	0	0	0	0	0	0	0	8	0
536	U. San Diego	7	0	0	7	0	0	0	0	0	0
537	NC Central U.	6	0	0	0	0	6	0	0	0	0
538	Southeastern OK State U.	5	0	0	5	0	0	0	0	0	0
539	U. MD Eastern Shore	5	0	0	5	0	0	0	0	0	0
540	McNeese State U.	3	0	0	3	0	0	0	0	0	0
541	St. Mary's C. MD	3	0	0	3	0	0	0	0	0	0
542	Yeshiva U.	3	0	0	3	0	0	0	0	0	0
543	Ft. Lewis C.	2	0	0	0	0	2	0	0	0	0
544	Rosalind Franklin U. of Medicine and Science	2	0	0	2	0	0	0	0	0	0
545	Northeastern State U.	1	0	0	1	0	0	0	0	0	0
546	Wilkes U.	1	0	0	1	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0
	Air Force Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0
	Albany State U.	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Cheyney U. PA	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0
	Daemen C.	0	0	0	0	0	0	0	0	0	0
	Des Moines U.	0	0	0	0	0	0	0	0	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Eastern VA Medical School	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Fairfield U.	0	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	0	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	0	0	0	0	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0	0	0	0	0
	Langston U.	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	0	0	0	0	0	0	0	0	0	0
	Loma Linda U.	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0
	Mercyhurst C.	0	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	0	0	0	0	0	0	0	0	0	0
	Nicholls State U.	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Pittsburg State U.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0	0	0	0	0
	Shaw U.	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0
	St. John's U. (Jamaica, NY)	0	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	0	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	0	0	0	0	0	0	0	0	0	0

TABLE 78. Federally financed R&D expenditures at universities and colleges, financed by the National Science Foundation, ranked by NSF R&D expenditures, by science and engineering field: FY 2007
(Dollars in thousands)

Rank	Institution	NSF R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0
	TX Woman's U.	0	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	0	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0
	Universidad del Este	0	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. Central AR	0	0	0	0	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0	0	0	0	0
	U. New Haven	0	0	0	0	0	0	0	0	0	0
	U. Redlands	0	0	0	0	0	0	0	0	0	0
	U. Scranton	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Wheeling Jesuit U.	0	0	0	0	0	0	0	0	0	0
	Wilberforce U.	0	0	0	0	0	0	0	0	0	0
	Winona State U.	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

nec = not elsewhere classified; NSF = National Science Foundation.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	All institutions	910,299	39,199	67,239	713,872	2,212	8,758	1,504	33,584	4,780	38,582
1	CO State U.	55,559	8	35,999	16,763	65	0	15	1,095	0	1,614
2	U. HI Manoa	42,346	33,627	111	8,395	0	0	0	9	204	0
3	NC State U.	29,752	0	332	26,130	136	100	0	827	0	2,227
4	TX A&M U.	27,612	0	836	25,922	0	51	0	133	0	670
5	MI State U.	27,382	0	69	24,798	11	40	0	1,354	0	1,110
6	MS State U.	25,256	0	135	24,775	0	118	0	39	0	189
7	OH State U. all campuses	24,541	3,023	18	17,497	3	0	0	1,714	887	1,399
8	U. MO-Columbia	24,322	0	110	21,230	0	0	0	2,863	0	119
9	Cornell U. all campuses	24,145	223	272	21,161	0	0	27	1,002	0	1,460
10	IA State U.	22,792	0	2,002	16,486	1,708	92	0	812	0	1,692
11	U. CA, Davis	22,633	0	179	21,062	0	398	0	283	0	711
12	OR State U.	20,787	51	836	17,147	7	88	0	295	332	2,031
13	U. FL	19,687	5	28	17,423	82	190	0	545	0	1,414
14	U. GA	19,461	109	76	16,819	0	41	0	1,115	0	1,301
15	U. IL Urbana-Champaign	19,030	65	1,579	14,676	0	204	1	1,688	0	817
16	U. MN all campuses	17,778	0	159	16,646	0	0	0	824	0	149
17	VA Polytechnic Institute and State U.	16,591	67	0	14,060	0	52	901	671	0	840
18	WA State U.	16,104	0	17	14,010	11	0	3	791	7	1,265
19	Baylor C. of Medicine	15,365	0	0	15,365	0	0	0	0	0	0
20	Tufts U.	15,254	0	0	15,127	0	0	0	53	0	74
21	U. AR main campus	14,698	0	211	13,509	0	0	0	2	0	976
22	U. WI Madison	14,660	0	446	11,962	0	0	0	1,090	0	1,162
23	U. MD College Park	13,712	4	0	10,212	0	0	0	2,869	0	627
24	UT State U.	12,306	0	128	8,947	20	59	13	789	1,890	460
25	U. KY all campuses	12,138	0	0	11,322	0	0	0	282	0	534
26	Auburn U. all campuses	12,090	0	64	9,922	0	111	0	406	32	1,555
27	U. NE all campuses	11,585	1,464	0	9,297	0	24	0	399	32	369
28	U. ID	11,425	0	21	9,961	0	80	0	588	0	775
29	U. ME	10,254	0	711	8,925	0	99	0	66	327	126
30	PA State U. all campuses	9,904	0	299	9,299	0	0	2	96	20	188
31	Rutgers, The State U. NJ all campuses	9,662	0	932	7,822	0	0	0	908	0	0
32	NM State U. main campus	8,902	0	0	8,669	0	0	0	110	0	123
33	OK State U. all campuses	8,810	2	203	8,006	0	0	0	370	0	229
34	LA State U. all campuses	8,475	0	101	7,343	0	63	0	584	0	384
35	U. VT	8,404	0	0	8,404	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
36	ND State U. all campuses	8,399	0	0	7,227	0	0	0	664	0	508
37	Clemson U.	8,296	0	0	7,165	0	0	0	376	0	755
38	MT State U. Bozeman	8,235	0	52	7,538	0	0	0	493	1	151
39	WV U.	7,454	0	95	7,147	0	0	0	13	0	199
40	Alcorn State U.	7,373	0	0	7,373	0	0	0	0	0	0
41	U. AZ	7,184	194	109	4,996	0	0	0	1,608	0	277
42	SD State U.	6,512	0	0	5,751	0	174	0	342	0	245
43	U. MS all campuses	6,409	2	43	3,513	0	2,007	0	0	0	844
44	VA State U.	6,142	0	0	6,142	0	0	0	0	0	0
45	FL A&M U.	5,999	0	0	5,999	0	0	0	0	0	0
46	U. CT all campuses	5,673	0	48	4,960	0	0	0	529	0	136
47	U. RI	5,662	0	1,121	4,471	0	0	0	0	69	1
48	U. MA Amherst	5,469	0	53	5,333	0	0	0	67	0	16
49	U. WY	5,282	0	24	4,702	0	0	0	457	99	0
50	U. MT-Missoula, The	5,143	0	469	3,908	0	423	0	343	0	0
51	U. CA, Berkeley	5,027	0	59	4,525	2	0	0	0	370	71
52	U. TN all campuses	4,940	0	20	4,143	0	0	0	124	58	595
53	TX Tech U.	4,909	0	54	3,517	0	202	0	937	0	199
54	AL A&M U.	4,600	0	0	4,600	0	0	0	0	0	0
55	U. CA, Riverside	4,477	0	603	3,765	29	0	7	0	0	73
56	Tarleton State U.	4,249	0	0	4,249	0	0	0	0	0	0
57	U. Toledo	4,123	0	800	3,266	0	0	0	0	0	57
58	U. GU	3,969	0	0	3,969	0	0	0	0	0	0
59	U. NH	3,931	0	591	3,248	0	0	0	56	28	8
60	TN State U.	3,723	0	0	3,723	0	0	0	0	0	0
61	FL State U.	3,692	0	3,044	596	0	52	0	0	0	0
62	Tuskegee U.	3,646	0	0	3,129	0	9	0	0	0	508
63	Langston U.	3,582	0	0	3,582	0	0	0	0	0	0
64	U. ND all campuses	3,541	0	382	2,182	0	41	0	32	0	904
65	Prairie View A&M U.	3,533	0	0	3,533	0	0	0	0	0	0
66	NC Agricultural and Technical State U.	3,375	0	0	3,343	0	0	0	2	0	30
67	SUNY Albany	3,195	0	25	26	0	1,167	0	0	0	1,977
68	KY State U.	3,184	0	0	3,184	0	0	0	0	0	0
69	U. Southern MS	3,145	0	803	1,294	0	1,029	0	19	0	0
70	U. SC all campuses	3,127	0	699	2,383	0	0	0	12	33	0
71	U. DE	2,963	0	125	2,382	0	0	0	268	0	188
72	U. AR Pine Bluff	2,725	0	0	2,725	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
73	Ft. Valley State U.	2,610	0	0	2,610	0	0	0	0	0	0
74	Lincoln U. (Jefferson City, MO)	2,458	0	351	2,107	0	0	0	0	0	0
75	U. NV, Reno	2,369	0	76	2,201	0	0	0	82	8	2
76	U. of the VI	2,290	0	0	2,290	0	0	0	0	0	0
77	U. WA	2,185	0	653	1,502	0	0	0	0	0	30
78	DE State U.	2,052	0	0	2,052	0	0	0	0	0	0
79	MI Technological U.	1,855	0	1,543	0	0	40	0	2	0	270
80	U. NV, Las Vegas	1,554	0	1,546	8	0	0	0	0	0	0
81	U. MI all campuses	1,523	56	0	1,407	0	8	0	33	0	19
82	WV State U.	1,453	0	0	1,453	0	0	0	0	0	0
83	Sul Ross State U.	1,437	0	964	473	0	0	0	0	0	0
84	Southern IL U. Carbondale	1,359	0	20	1,339	0	0	0	0	0	0
85	Northern AZ U.	1,340	1	74	1,258	0	0	0	2	0	5
86	Thomas Jefferson U.	1,272	0	0	1,272	0	0	0	0	0	0
87	Johns Hopkins U., The ^a	1,240	0	0	1,128	60	6	0	46	0	0
88	Western KY U.	1,229	0	123	782	0	324	0	0	0	0
89	West TX A&M U.	1,175	0	186	989	0	0	0	0	0	0
90	SUNY Binghamton	1,161	0	0	25	0	0	0	0	0	1,136
91	SUNY C. of Environmental Science and Forestry	1,100	0	83	663	0	45	0	1	0	308
92	U. MD Eastern Shore	1,091	0	0	1,013	0	78	0	0	0	0
93	AZ State U.	1,073	0	7	946	4	110	0	6	0	0
94	Yale U.	1,036	0	0	1,036	0	0	0	0	0	0
95	U. CA, Santa Cruz	1,035	0	97	492	0	0	0	446	0	0
96	Duke U.	984	0	235	484	0	0	0	4	0	261
97	U. PA	897	0	0	897	0	0	0	0	0	0
98	Washington U. St. Louis	825	0	0	485	0	206	0	0	0	134
99	U. CA, Santa Barbara	777	163	281	178	0	155	0	0	0	0
100	U. MA Dartmouth	745	0	0	744	0	1	0	0	0	0
101	U. HI Hilo	720	0	12	691	0	0	0	0	17	0
102	Brigham Young U. all campuses	704	0	0	530	0	0	0	8	0	166
103	Southern IL U. Edwardsville	672	0	0	672	0	0	0	0	0	0
104	U. MD Biotechnology Institute	668	0	31	637	0	0	0	0	0	0
105	FL International U.	660	0	0	621	0	0	0	0	0	39
106	Stephen F. Austin State U.	625	0	0	625	0	0	0	0	0	0
107	Tulane U.	599	0	0	599	0	0	0	0	0	0
108	U. NM main campus	599	0	0	342	0	0	0	257	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
109	U. DC	584	0	0	584	0	0	0	0	0	0
110	CA State U. Fresno	560	NA	NA	NA	NA	NA	NA	NA	NA	NA
111	SUNY Stony Brook all campuses	549	0	0	213	0	0	336	0	0	0
112	U. TX Austin	547	0	256	178	0	0	0	0	0	113
113	TX A&M U. Kingsville	535	0	0	535	0	0	0	0	0	0
114	U. CA, Los Angeles	528	0	0	419	0	109	0	0	0	0
115	U. Miami	514	0	401	63	0	0	0	0	0	50
116	U. WI Milwaukee	507	0	459	0	0	0	0	48	0	0
117	Marshall U.	496	0	0	496	0	0	0	0	0	0
118	U. Northern IA	495	0	0	495	0	0	0	0	0	0
119	U. KS all campuses	493	0	9	480	0	0	0	4	0	0
120	U. NC Asheville	489	0	367	0	0	0	0	122	0	0
121	U. SD	476	0	0	476	0	0	0	0	0	0
122	U. MD Ctr. for Environmental Science	470	0	470	0	0	0	0	0	0	0
123	U. TX San Antonio	463	0	75	8	0	0	0	380	0	0
124	U. CA, San Diego	457	0	47	410	0	0	0	0	0	0
125	U. NC Wilmington	445	0	0	445	0	0	0	0	0	0
126	Dartmouth C.	430	0	0	315	0	0	0	22	0	93
127	Bowling Green State U. all campuses	423	0	308	0	0	0	0	115	0	0
128	U. OK all campuses	402	0	0	402	0	0	0	0	0	0
129	Jackson State U.	397	0	0	0	0	44	0	0	353	0
130	CA State Polytechnic U. San Luis Obispo	394	0	0	388	0	0	6	0	0	0
131	U. CO all campuses	371	0	87	261	0	0	0	8	0	15
132	Western Carolina U.	370	0	145	225	0	0	0	0	0	0
133	Medical U. SC	363	0	0	363	0	0	0	0	0	0
134	U. WI Stevens Point	359	0	126	217	0	0	0	16	0	0
135	George Mason U.	355	0	210	144	1	0	0	0	0	0
136	OR Health & Science U.	335	0	0	335	0	0	0	0	0	0
137	Humboldt State U.	325	0	0	314	11	0	0	0	0	0
138	Western IL U.	303	0	0	288	0	15	0	0	0	0
139	U. IL Chicago	297	0	0	297	0	0	0	0	0	0
140	Southern OR U.	289	0	75	133	0	16	0	65	0	0
141	U. OR	284	0	159	79	0	0	0	46	0	0
142	Vanderbilt U.	278	0	0	103	0	22	0	3	0	150
143	U. Central FL	277	0	0	230	0	0	0	0	0	47
144	GA Southern U.	272	0	272	0	0	0	0	0	0	0
145	U. AR for Medical Sciences	256	0	0	256	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
146	IL State U.	250	0	0	100	0	0	0	150	0	0
147	U. CA, Irvine	250	0	29	197	24	0	0	0	0	0
148	Baylor U.	242	0	141	0	0	101	0	0	0	0
149	U. Southern CA	241	53	0	188	0	0	0	0	0	0
150	U. Pittsburgh all campuses	237	8	0	229	0	0	0	0	0	0
151	Boise State U.	230	0	126	87	0	0	0	4	0	13
152	LA Tech U.	226	0	0	226	0	0	0	0	0	0
153	Emory U.	210	0	0	210	0	0	0	0	0	0
154	U. NC Charlotte	208	0	208	0	0	0	0	0	0	0
155	IL Institute of Technology	204	0	0	190	0	0	0	0	0	14
156	U. TX Medical Branch	203	0	0	203	0	0	0	0	0	0
157	CUNY Herbert H. Lehman C.	195	0	0	195	0	0	0	0	0	0
158	GA State U.	195	0	0	0	0	58	0	137	0	0
159	U. NC Greensboro	194	0	13	181	0	0	0	0	0	0
160	U. Louisville	183	0	0	182	0	0	0	1	0	0
161	Rice U.	182	0	0	93	0	0	0	0	0	89
162	C. of William and Mary all campuses	180	0	178	2	0	0	0	0	0	0
163	Portland State U.	180	0	23	153	0	0	0	4	0	0
164	U. Cincinnati all campuses	169	0	0	166	0	0	0	0	0	3
165	Cheyney U. PA	166	0	0	166	0	0	0	0	0	0
166	CA Institute of Technology	162	0	0	0	0	0	0	0	0	162
167	Syracuse U. all campuses	156	0	116	14	0	0	0	0	0	26
168	Appalachian State U.	154	10	59	21	0	4	0	60	0	0
169	Northern IL U.	154	0	0	0	0	0	129	0	0	25
170	Marquette U.	153	0	0	137	0	16	0	0	0	0
171	C. Charleston	151	0	46	94	0	0	0	11	0	0
172	Desert Research Institute	151	0	89	62	0	0	0	0	0	0
173	East Carolina U.	149	0	0	148	0	0	0	1	0	0
174	SUNY C. Brockport	146	0	0	146	0	0	0	0	0	0
175	Clarkson U.	145	0	0	0	0	0	0	0	0	145
176	U. TX Tyler	140	0	0	140	0	0	0	0	0	0
177	Northwestern U.	138	0	0	0	0	0	0	54	0	84
178	U. of Notre Dame	135	0	0	122	0	0	0	13	0	0
179	U. AL, The	134	0	8	126	0	0	0	0	0	0
180	CA State U. Los Angeles	130	0	0	130	0	0	0	0	0	0
181	CA State Polytechnic U. Pomona	127	0	0	127	0	0	0	0	0	0
182	U. TX Southwestern Medical Ctr. Dallas	127	0	0	127	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
183	GA Institute of Technology all campuses	123	0	14	0	0	63	0	0	0	46
184	St. Louis U. all campuses	122	0	7	115	0	0	0	0	0	0
185	Columbia U. in the City of NY	120	0	53	0	0	0	0	5	0	62
186	U. AL Huntsville, The	120	0	116	0	1	2	0	1	0	0
187	U. Rochester	120	0	0	120	0	0	0	0	0	0
188	Grambling State U.	116	0	114	2	0	0	0	0	0	0
189	Duquesne U.	114	0	0	91	0	0	0	23	0	0
190	Milwaukee School of Engineering	114	0	0	57	0	0	0	0	0	57
191	Rochester Institute of Technology	109	0	0	0	0	74	0	31	0	4
192	Xavier U. LA	108	0	0	108	0	0	0	0	0	0
193	Eastern IL U.	106	0	0	106	0	0	0	0	0	0
194	NY U.	105	0	0	105	0	0	0	0	0	0
195	SUNY Buffalo all campuses	103	0	31	72	0	0	0	0	0	0
196	Lamar U.	102	0	0	0	0	0	0	0	0	102
197	Yeshiva U.	99	0	0	99	0	0	0	0	0	0
198	Clark U.	97	0	97	0	0	0	0	0	0	0
199	CO School of Mines	95	0	1	0	0	0	0	0	0	94
200	Jacksonville State U.	95	0	95	0	0	0	0	0	0	0
201	U. MO-St. Louis	95	0	0	95	0	0	0	0	0	0
202	Drexel U.	94	0	0	60	0	0	0	0	0	34
203	Harvard U.	94	0	0	62	0	0	0	32	0	0
204	TX Woman's U.	94	0	0	94	0	0	0	0	0	0
205	Lehigh U.	92	0	0	0	0	79	0	0	0	13
206	Western MI U.	91	0	0	72	0	0	0	14	0	5
207	Western WA U.	90	0	0	57	0	0	33	0	0	0
208	James Madison U.	85	7	0	57	0	6	0	5	0	10
209	SD School of Mines and Technology	85	0	42	0	0	0	0	0	0	43
210	U. AL Birmingham, The	83	0	0	83	0	0	0	0	0	0
211	Roger Williams U. Bristol	81	0	81	0	0	0	0	0	0	0
212	U. WI Eau Claire	81	0	81	0	0	0	0	0	0	0
213	U. Akron all campuses	80	0	0	0	0	0	0	0	0	80
214	U. Houston-Downtown	80	0	0	80	0	0	0	0	0	0
215	NM Highlands U.	78	0	78	0	0	0	0	0	0	0
216	Spelman C.	74	0	0	74	0	0	0	0	0	0
217	Temple U.	73	0	3	0	0	0	0	0	0	70
218	Sinte Gleska U.	72	0	0	72	0	0	0	0	0	0
219	CUNY The City C.	71	0	0	0	0	71	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
220	NJ Institute of Technology	70	0	0	0	0	36	0	0	0	34
221	U. UT	69	0	23	38	0	0	0	8	0	0
222	Towson U.	68	51	0	17	0	0	0	0	0	0
223	AR State U. main campus	66	0	0	66	0	0	0	0	0	0
224	MT Tech of the U. MT	66	0	66	0	0	0	0	0	0	0
225	DePaul U.	65	0	65	0	0	0	0	0	0	0
226	Old Dominion U.	65	0	0	41	0	0	8	0	0	16
227	U. Southern ME	64	0	0	0	0	0	0	64	0	0
228	Indiana U. PA all campuses	62	0	0	35	0	27	0	0	0	0
229	CA State U. San Bernardino	61	0	0	8	0	45	0	8	0	0
230	CA State U. Monterey Bay	58	0	58	0	0	0	0	0	0	0
231	American U.	57	0	0	0	0	0	0	57	0	0
232	U. WI La Crosse	57	0	0	0	0	0	0	0	0	57
233	U. TX Health Science Ctr. Houston	56	0	0	56	0	0	0	0	0	0
234	CA State U. East Bay	55	0	0	55	0	0	0	0	0	0
235	Middlebury C.	54	0	20	17	0	0	0	17	0	0
236	Furman U.	53	0	0	53	0	0	0	0	0	0
237	Sonoma State U.	50	0	0	49	0	0	0	1	0	0
238	U. MO-Rolla	50	0	5	0	0	0	0	0	0	45
239	IN State U. all campuses	49	0	49	0	0	0	0	0	0	0
240	Elizabeth City State U.	48	0	0	48	0	0	0	0	0	0
241	U. NC Chapel Hill	48	0	48	0	0	0	0	0	0	0
242	Georgetown U.	47	0	0	42	0	0	0	5	0	0
243	Ithaca C.	47	0	0	47	0	0	0	0	0	0
244	Fordham U.	46	0	0	46	0	0	0	0	0	0
245	SUNY Upstate Medical U.	45	0	0	45	0	0	0	0	0	0
246	IN U. all campuses	44	0	0	39	0	0	0	5	0	0
247	U. MD Baltimore County	44	0	9	0	0	0	0	0	0	35
248	San Francisco State U.	43	0	37	6	0	0	0	0	0	0
249	Southern Methodist U.	42	0	0	0	0	0	0	42	0	0
250	U. TX-Pan American	42	0	0	42	0	0	0	0	0	0
251	East TN State U.	40	0	0	40	0	0	0	0	0	0
252	San Jose State U.	40	0	40	0	0	0	0	0	0	0
253	SUNY C. Geneseo	40	0	0	40	0	0	0	0	0	0
254	TX A&M U. System Health Science Ctr.	40	0	0	31	0	0	0	9	0	0
255	Wayne State U.	39	5	0	34	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
256	Augustana C. (Sioux Falls, SD)	38	0	0	29	0	9	0	0	0	0
257	Allegheny C.	36	0	0	36	0	0	0	0	0	0
258	George Washington U.	35	0	0	0	6	0	0	29	0	0
259	Clark Atlanta U.	34	0	0	0	0	0	22	12	0	0
260	Eastern MI U.	34	0	0	34	0	0	0	0	0	0
261	Western U. of Health Sciences	34	0	0	34	0	0	0	0	0	0
262	Angelo State U.	33	0	0	33	0	0	0	0	0	0
263	SUNY C. Cortland	33	0	0	33	0	0	0	0	0	0
264	Wake Forest U.	33	0	0	31	0	0	0	2	0	0
265	Middle TN State U.	32	0	0	0	0	0	0	32	0	0
266	Norfolk State U.	32	0	0	32	0	0	0	0	0	0
267	U. WI River Falls	32	0	0	21	0	0	0	11	0	0
268	VA Commonwealth U.	32	0	0	32	0	0	0	0	0	0
269	CUNY Brooklyn C.	31	0	0	31	0	0	0	0	0	0
270	Chapman U.	29	0	0	29	0	0	0	0	0	0
271	Wilkes U.	29	0	29	0	0	0	0	0	0	0
272	U. Dayton	28	0	0	28	0	0	0	0	0	0
273	U. LA Lafayette	28	0	0	28	0	0	0	0	0	0
274	U. Memphis, The	28	0	0	28	0	0	0	0	0	0
275	FL Gulf Coast U.	27	0	0	27	0	0	0	0	0	0
276	U. Houston-Clear Lake	26	0	0	0	26	0	0	0	0	0
277	U. WI Oshkosh	25	0	0	25	0	0	0	0	0	0
278	U. WI Superior	23	0	23	0	0	0	0	0	0	0
279	Boston C.	22	0	0	22	0	0	0	0	0	0
280	CA State U. Long Beach	21	0	0	6	0	0	0	0	0	15
281	Eastern KY U.	21	0	0	8	0	13	0	0	0	0
282	Kent State U. all campuses	21	0	19	0	0	0	0	2	0	0
283	SUNY C. Plattsburgh	18	0	0	18	0	0	0	0	0	0
284	VA Military Institute	18	0	0	0	0	18	0	0	0	0
285	Lafayette C.	17	0	12	0	0	0	0	0	0	5
286	TN Technological U.	17	0	0	2	0	0	0	0	0	15
287	Central MI U.	16	0	0	16	0	0	0	0	0	0
288	CA State U. Bakersfield	15	0	0	15	0	0	0	0	0	0
289	TX A&M U. Corpus Christi	15	0	2	0	0	0	0	0	13	0
290	U. Northern CO	15	0	0	15	0	0	0	0	0	0
291	Bowdoin C.	14	0	0	0	0	14	0	0	0	0
292	U. of St. Thomas (St. Paul, MN)	14	0	0	14	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
293	Nicholls State U.	13	0	0	13	0	0	0	0	0	0
294	U. Denver	13	0	0	13	0	0	0	0	0	0
295	Bryn Mawr C.	12	0	0	12	0	0	0	0	0	0
296	Southern U. and A&M C. all campuses	12	0	0	12	0	0	0	0	0	0
297	St. Cloud State U.	12	0	0	12	0	0	0	0	0	0
298	Northern MI U.	11	0	9	2	0	0	0	0	0	0
299	Cleveland State U.	10	0	6	0	0	0	0	1	0	3
300	Drake U.	10	0	10	0	0	0	0	0	0	0
301	St. Joseph's U.	10	0	0	10	0	0	0	0	0	0
302	U. CA, San Francisco	10	0	0	10	0	0	0	0	0	0
303	U. South FL	10	0	0	0	0	10	0	0	0	0
304	Wabash C.	10	0	0	1	0	9	0	0	0	0
305	C. Wooster	9	0	0	9	0	0	0	0	0	0
306	Simmons C.	9	0	0	9	0	0	0	0	0	0
307	Universidad Metropolitana	9	0	9	0	0	0	0	0	0	0
308	U. Central AR	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
309	Southeastern OK State U.	8	0	0	8	0	0	0	0	0	0
310	Truman State U.	8	0	0	0	0	8	0	0	0	0
311	U. TX Dallas	7	1	0	1	0	2	1	0	0	2
312	U. WI Green Bay	6	0	6	0	0	0	0	0	0	0
313	Valparaiso U.	5	0	0	0	5	0	0	0	0	0
314	U. CA, Merced	4	0	0	0	0	0	0	0	0	4
315	Pittsburg State U.	3	0	0	3	0	0	0	0	0	0
316	U. Tulsa	3	0	0	0	0	0	0	3	0	0
317	Carleton C.	2	0	2	0	0	0	0	0	0	0
318	Christopher Newport U.	2	0	0	2	0	0	0	0	0	0
319	ID State U.	2	0	0	2	0	0	0	0	0	0
320	Lewis and Clark C.	2	0	0	2	0	0	0	0	0	0
321	Sam Houston State U.	2	0	0	2	0	0	0	0	0	0
322	Bates C.	1	0	1	0	0	0	0	0	0	0
323	Universidad del Este	1	0	1	0	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Abilene Christian U.	0	0	0	0	0	0	0	0	0	0
	Adelphi U.	0	0	0	0	0	0	0	0	0	0
	Air Force Institute of Technology	0	0	0	0	0	0	0	0	0	0
	AL State U.	0	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Albany Medical C.	0	0	0	0	0	0	0	0	0	0
	Albany State U.	0	0	0	0	0	0	0	0	0	0
	Alfred U. all campuses	0	0	0	0	0	0	0	0	0	0
	Amherst C.	0	0	0	0	0	0	0	0	0	0
	Andrews U.	0	0	0	0	0	0	0	0	0	0
	Augsburg C.	0	0	0	0	0	0	0	0	0	0
	Ball State U.	0	0	0	0	0	0	0	0	0	0
	Barnard C.	0	0	0	0	0	0	0	0	0	0
	Benedict C.	0	0	0	0	0	0	0	0	0	0
	Black Hills State U.	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Boston U.	0	0	0	0	0	0	0	0	0	0
	Bowie State U.	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0
	Brandeis U.	0	0	0	0	0	0	0	0	0	0
	Brown U.	0	0	0	0	0	0	0	0	0	0
	Bucknell U.	0	0	0	0	0	0	0	0	0	0
	CA State U. Dominguez Hills	0	0	0	0	0	0	0	0	0	0
	CA State U. Fullerton	0	0	0	0	0	0	0	0	0	0
	CA State U. Northridge	0	0	0	0	0	0	0	0	0	0
	CA State U. Sacramento	0	0	0	0	0	0	0	0	0	0
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Canisius C.	0	0	0	0	0	0	0	0	0	0
	Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0	0	0	0	0
	Carnegie Mellon U.	0	0	0	0	0	0	0	0	0	0
	Case Western Reserve U.	0	0	0	0	0	0	0	0	0	0
	Catholic U. America, The	0	0	0	0	0	0	0	0	0	0
	Central CT State U.	0	0	0	0	0	0	0	0	0	0
	Central State U.	0	0	0	0	0	0	0	0	0	0
	Central WA U.	0	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0
	Coastal Carolina U.	0	0	0	0	0	0	0	0	0	0
	Coe C.	0	0	0	0	0	0	0	0	0	0
	Colby C.	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Colgate U.	0	0	0	0	0	0	0	0	0	0
	C. of the Holy Cross	0	0	0	0	0	0	0	0	0	0
	C. NJ, The	0	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	0	0	0	0	0	0	0	0	0	0
	CT C.	0	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	Creighton U.	0	0	0	0	0	0	0	0	0	0
	CUNY Baruch C.	0	0	0	0	0	0	0	0	0	0
	CUNY C. Staten Island	0	0	0	0	0	0	0	0	0	0
	CUNY Graduate Ctr.	0	0	0	0	0	0	0	0	0	0
	CUNY Hunter C.	0	0	0	0	0	0	0	0	0	0
	CUNY John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	0	0	0	0	0	0	0	0	0	0
	CUNY Queens C.	0	0	0	0	0	0	0	0	0	0
	CUNY York C.	0	0	0	0	0	0	0	0	0	0
	Daemen C.	0	0	0	0	0	0	0	0	0	0
	Davidson C.	0	0	0	0	0	0	0	0	0	0
	Denison U.	0	0	0	0	0	0	0	0	0	0
	Des Moines U.	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Dillard U.	0	0	0	0	0	0	0	0	0	0
	Dowling C.	0	0	0	0	0	0	0	0	0	0
	Eastern OR U.	0	0	0	0	0	0	0	0	0	0
	Eastern VA Medical School	0	0	0	0	0	0	0	0	0	0
	Eastern WA U.	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0	0	0	0	0
	Fairfield U.	0	0	0	0	0	0	0	0	0	0
	Fayetteville State U.	0	0	0	0	0	0	0	0	0	0
	Fisk U.	0	0	0	0	0	0	0	0	0	0
	FL Atlantic U.	0	0	0	0	0	0	0	0	0	0
	FL Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	0	0	0	0	0	0	0	0	0	0
	Franklin & Marshall C.	0	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	0	0	0	0	0	0	0	0	0	0
	Gallaudet U.	0	0	0	0	0	0	0	0	0	0
	Gettysburg C.	0	0	0	0	0	0	0	0	0	0
	Goucher C.	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Governors State U.	0	0	0	0	0	0	0	0	0	0
	Grand Valley State U.	0	0	0	0	0	0	0	0	0	0
	Grinnell C.	0	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	0	0	0	0	0	0	0	0	0	0
	Hamilton C. (Clinton, NY)	0	0	0	0	0	0	0	0	0	0
	Hampshire C.	0	0	0	0	0	0	0	0	0	0
	Hampton U.	0	0	0	0	0	0	0	0	0	0
	Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0
	Hendrix C.	0	0	0	0	0	0	0	0	0	0
	Heritage U. (Toppenish, WA)	0	0	0	0	0	0	0	0	0	0
	Hobart and William Smith Colleges	0	0	0	0	0	0	0	0	0	0
	Hofstra U.	0	0	0	0	0	0	0	0	0	0
	Hope C.	0	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	Juniata C.	0	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	0	0	0	0	0	0	0	0	0	0
	Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0	0	0	0	0
	Kennesaw State U.	0	0	0	0	0	0	0	0	0	0
	Kettering U.	0	0	0	0	0	0	0	0	0	0
	La Salle U.	0	0	0	0	0	0	0	0	0	0
	Lake Forest C.	0	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0
	Lawrence U.	0	0	0	0	0	0	0	0	0	0
	LeTourneau U.	0	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0
	Loma Linda U.	0	0	0	0	0	0	0	0	0	0
	Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0
	Loyola U. Chicago	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Macalester C.	0	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0
	MA Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Mayville State U.	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	McNeese State U.	0	0	0	0	0	0	0	0	0	0
	Medical C. GA	0	0	0	0	0	0	0	0	0	0
	Medical C. WI	0	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	0	0	0	0	0	0	0	0	0	0
	Mercer U. all campuses	0	0	0	0	0	0	0	0	0	0
	Mercy C.	0	0	0	0	0	0	0	0	0	0
	Mercyhurst C.	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	Miles C.	0	0	0	0	0	0	0	0	0	0
	Millersville U. PA	0	0	0	0	0	0	0	0	0	0
	Millsaps C.	0	0	0	0	0	0	0	0	0	0
	MN State U. Mankato	0	0	0	0	0	0	0	0	0	0
	MS Valley State U.	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	0	0	0	0	0	0	0	0	0	0
	MT State U. Billings	0	0	0	0	0	0	0	0	0	0
	Morehead State U.	0	0	0	0	0	0	0	0	0	0
	Morehouse C.	0	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	0	0	0	0	0	0	0	0	0	0
	Morgan State U.	0	0	0	0	0	0	0	0	0	0
	Mt. Holyoke C.	0	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	0	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	0	0	0	0	0	0	0	0	0	0
	Murray State U.	0	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Naval Postgraduate School	0	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	0	0	0	0	0	0	0	0	0	0
	NM Institute of Mining and Technology	0	0	0	0	0	0	0	0	0	0
	New School, The	0	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	0	0	0	0	0	0	0	0	0	0
	NY Medical C.	0	0	0	0	0	0	0	0	0	0
	NC Central U.	0	0	0	0	0	0	0	0	0	0
	Northeastern IL U.	0	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	0	0	0	0	0	0	0	0	0	0
	Northeastern State U.	0	0	0	0	0	0	0	0	0	0
	Northeastern U.	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Northern KY U.	0	0	0	0	0	0	0	0	0	0
	Northwestern Health Sciences U.	0	0	0	0	0	0	0	0	0	0
	Northwestern State U.	0	0	0	0	0	0	0	0	0	0
	Nova Southeastern U.	0	0	0	0	0	0	0	0	0	0
	Oakland U.	0	0	0	0	0	0	0	0	0	0
	Oberlin C.	0	0	0	0	0	0	0	0	0	0
	Occidental C.	0	0	0	0	0	0	0	0	0	0
	Oglala Lakota C.	0	0	0	0	0	0	0	0	0	0
	OH U. all campuses	0	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	OR Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Pace U. all campuses	0	0	0	0	0	0	0	0	0	0
	Pacific Lutheran U.	0	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	0	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Philadelphia U.	0	0	0	0	0	0	0	0	0	0
	Pitzer C.	0	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U.	0	0	0	0	0	0	0	0	0	0
	Polytechnic U. PR	0	0	0	0	0	0	0	0	0	0
	Pomona C.	0	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Princeton U.	0	0	0	0	0	0	0	0	0	0
	Providence C.	0	0	0	0	0	0	0	0	0	0
	Reed C.	0	0	0	0	0	0	0	0	0	0
	Rensselaer Polytechnic Institute	0	0	0	0	0	0	0	0	0	0
	Rhodes C.	0	0	0	0	0	0	0	0	0	0
	Rider U.	0	0	0	0	0	0	0	0	0	0
	Roanoke C.	0	0	0	0	0	0	0	0	0	0
	Rockefeller U.	0	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0
	Rose-Hulman Institute of Technology	0	0	0	0	0	0	0	0	0	0
	Rowan U.	0	0	0	0	0	0	0	0	0	0
	Rush U.	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0
	San Diego State U.	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Sarah Lawrence C.	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	0	0	0	0	0	0	0	0	0
	Scripps Research Institute, The	0	0	0	0	0	0	0	0	0	0
	Seton Hall U.	0	0	0	0	0	0	0	0	0	0
	Shaw U.	0	0	0	0	0	0	0	0	0	0
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Smith C.	0	0	0	0	0	0	0	0	0	0
	Southeastern LA U.	0	0	0	0	0	0	0	0	0	0
	Southern Polytechnic State U.	0	0	0	0	0	0	0	0	0	0
	Southern U. New Orleans	0	0	0	0	0	0	0	0	0	0
	Southwest MO State U.	0	0	0	0	0	0	0	0	0	0
	Southwestern OK State U.	0	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	0	0	0	0	0	0	0	0	0	0
	St. John's U. (Jamaica, NY)	0	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	0	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0	0	0	0	0
	St. Olaf C.	0	0	0	0	0	0	0	0	0	0
	Stanford U.	0	0	0	0	0	0	0	0	0	0
	Stevens Institute of Technology	0	0	0	0	0	0	0	0	0	0
	SUNY C. Buffalo	0	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	0	0	0	0	0	0	0	0	0	0
	SUNY C. Old Westbury	0	0	0	0	0	0	0	0	0	0
	SUNY C. Oswego	0	0	0	0	0	0	0	0	0	0
	SUNY Fredonia	0	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	0	0	0	0	0	0	0	0	0	0
	Swarthmore C.	0	0	0	0	0	0	0	0	0	0
	Sweet Briar C.	0	0	0	0	0	0	0	0	0	0
	Teachers C. Columbia U.	0	0	0	0	0	0	0	0	0	0
	TX A&M U. Commerce	0	0	0	0	0	0	0	0	0	0
	TX Christian U.	0	0	0	0	0	0	0	0	0	0
	TX Southern U.	0	0	0	0	0	0	0	0	0	0
	TX State U. San Marcos	0	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	0	0	0	0	0	0	0	0	0	0
	Tougaloo C.	0	0	0	0	0	0	0	0	0	0
	Trinity C. (Hartford, CT)	0	0	0	0	0	0	0	0	0	0
	Trinity U.	0	0	0	0	0	0	0	0	0	0
	Troy U. main campus	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0
	Union C. (Schenectady, NY)	0	0	0	0	0	0	0	0	0	0
	U.S. Air Force Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Military Academy	0	0	0	0	0	0	0	0	0	0
	U.S. Naval Academy	0	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	0	0	0	0	0	0	0	0	0	0
	Universidad del Turabo	0	0	0	0	0	0	0	0	0	0
	U. Baltimore	0	0	0	0	0	0	0	0	0	0
	U. CA Office of the President	0	0	0	0	0	0	0	0	0	0
	U. Central OK	0	0	0	0	0	0	0	0	0	0
	U. Chicago	0	0	0	0	0	0	0	0	0	0
	U. Hartford	0	0	0	0	0	0	0	0	0	0
	U. Houston	0	0	0	0	0	0	0	0	0	0
	U. IL Springfield	0	0	0	0	0	0	0	0	0	0
	U. IA	0	0	0	0	0	0	0	0	0	0
	U. LA Monroe	0	0	0	0	0	0	0	0	0	0
	U. MD Baltimore	0	0	0	0	0	0	0	0	0	0
	U. MA Boston	0	0	0	0	0	0	0	0	0	0
	U. MA Lowell	0	0	0	0	0	0	0	0	0	0
	U. MA Worcester	0	0	0	0	0	0	0	0	0	0
	U. of Medicine and Dentistry NJ	0	0	0	0	0	0	0	0	0	0
	U. MO-Kansas City	0	0	0	0	0	0	0	0	0	0
	U. New England	0	0	0	0	0	0	0	0	0	0
	U. New Haven	0	0	0	0	0	0	0	0	0	0
	U. NC Pembroke	0	0	0	0	0	0	0	0	0	0
	U. North FL	0	0	0	0	0	0	0	0	0	0
	U. North TX	0	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	0	0	0	0	0	0	0	0	0	0
	U. Portland	0	0	0	0	0	0	0	0	0	0
	U. PR Humacao	0	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	0	0	0	0	0	0	0	0	0	0
	U. PR Rio Piedras Campus	0	0	0	0	0	0	0	0	0	0
	U. Puget Sound	0	0	0	0	0	0	0	0	0	0
	U. Redlands	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field:
FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	U. Richmond	0	0	0	0	0	0	0	0	0	0
	U. San Diego	0	0	0	0	0	0	0	0	0	0
	U. San Francisco	0	0	0	0	0	0	0	0	0	0
	U. Scranton	0	0	0	0	0	0	0	0	0	0
	U. South AL	0	0	0	0	0	0	0	0	0	0
	U. TX Arlington	0	0	0	0	0	0	0	0	0	0
	U. TX El Paso	0	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	0	0	0	0	0	0	0	0	0	0
	U. TX M. D. Anderson Cancer Ctr.	0	0	0	0	0	0	0	0	0	0
	U. TX of the Permian Basin	0	0	0	0	0	0	0	0	0	0
	U. VA all campuses	0	0	0	0	0	0	0	0	0	0
	U. West FL	0	0	0	0	0	0	0	0	0	0
	U. West GA	0	0	0	0	0	0	0	0	0	0
	U. WI Parkside	0	0	0	0	0	0	0	0	0	0
	U. WI Platteville	0	0	0	0	0	0	0	0	0	0
	U. WI Stout	0	0	0	0	0	0	0	0	0	0
	U. WI Whitewater	0	0	0	0	0	0	0	0	0	0
	U. of the Pacific	0	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0
	U. of the South	0	0	0	0	0	0	0	0	0	0
	Ursinus C.	0	0	0	0	0	0	0	0	0	0
	Vassar C.	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	Wellesley C.	0	0	0	0	0	0	0	0	0	0
	Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	West Chester U. PA	0	0	0	0	0	0	0	0	0	0
	West Liberty State C.	0	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Western CT State U.	0	0	0	0	0	0	0	0	0	0
	Wheeling Jesuit U.	0	0	0	0	0	0	0	0	0	0
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Wichita State U.	0	0	0	0	0	0	0	0	0	0
	Wilberforce U.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Winona State U.	0	0	0	0	0	0	0	0	0	0
	Woods Hole Oceanographic Institution	0	0	0	0	0	0	0	0	0	0

TABLE 79. Federally financed R&D expenditures at universities and colleges, financed by the U.S. Department of Agriculture, ranked by USDA R&D expenditures, by science and engineering field: FY 2007

(Dollars in thousands)

Rank	Institution	USDA R&D expenditures	Computer sciences	Environmental sciences	Life sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
	Worcester Polytechnic Institute	0	0	0	0	0	0	0	0	0	0
	Wright State U. all campuses	0	0	0	0	0	0	0	0	0	0
	Youngstown State U.	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

nec = not elsewhere classified; USDA = U.S. Department of Agriculture.

^a Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$740,949 in total federally funded R&D expenditures, APL did not report federal agency details.

NOTES: Institutions not listed in this table did not provide federally financed R&D expenditures by federal agency; institutions that reported amounts of zero or more are included. Detail may not add to all-institution total because some respondents reporting federal agency data did not break out these data by field of science. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 80. Current fund expenditures for research equipment at universities and colleges, by science and engineering field and source of funds: FY 2006–07

(Dollars in thousands)

Field	All expenditures		Federal		Nonfederal	
	2006	2007	2006	2007	2006	2007
All science and engineering	1,826,485	1,846,948	1,088,109	1,079,199	738,376	767,749
Science	1,383,704	1,419,502	832,689	832,715	551,015	586,787
Computer sciences	69,584	74,451	51,078	52,306	18,506	22,145
Environmental sciences	123,231	138,379	90,249	103,189	32,982	35,190
Atmospheric sciences	34,015	33,545	29,847	29,002	4,168	4,543
Earth sciences	34,837	36,030	22,269	23,146	12,568	12,884
Oceanography	44,458	61,870	30,401	46,772	14,057	15,098
Environmental sciences, nec	9,921	6,934	7,732	4,269	2,189	2,665
Life sciences	756,861	762,400	425,974	411,708	330,887	350,692
Agricultural sciences	75,488	79,158	27,295	24,173	48,193	54,985
Biological sciences	301,412	272,368	179,747	153,906	121,665	118,462
Medical sciences	343,093	364,743	197,453	200,787	145,640	163,956
Life sciences, nec	36,868	46,131	21,479	32,842	15,389	13,289
Mathematical sciences	8,557	8,685	5,842	6,297	2,715	2,388
Physical sciences	328,174	307,774	220,717	214,858	107,457	92,916
Astronomy	20,263	29,069	16,609	24,508	3,654	4,561
Chemistry	120,507	111,137	78,680	72,219	41,827	38,918
Physics	152,947	142,348	111,608	108,700	41,339	33,648
Physical sciences, nec	34,457	25,220	13,820	9,431	20,637	15,789
Psychology	18,156	14,149	12,442	8,812	5,714	5,337
Social sciences	12,087	19,112	4,678	10,912	7,409	8,200
Economics	1,738	2,215	579	659	1,159	1,556
Political sciences	1,067	800	584	392	483	408
Sociology	2,356	2,815	681	1,492	1,675	1,323
Social sciences, nec	6,926	13,282	2,834	8,369	4,092	4,913
Sciences, nec	67,054	94,552	21,709	24,633	45,345	69,919
Engineering	442,781	427,446	255,420	246,484	187,361	180,962
Aeronautical/astronautical engineering	21,746	21,708	13,477	14,064	8,269	7,644
Bioengineering/biomedical engineering	25,019	27,393	11,536	13,570	13,483	13,823
Chemical engineering	38,620	37,091	22,279	18,892	16,341	18,199
Civil engineering	27,117	27,848	12,503	13,535	14,614	14,313
Electrical engineering	94,214	93,037	62,675	62,572	31,539	30,465
Mechanical engineering	83,542	74,098	65,035	53,565	18,507	20,533
Metallurgical/materials engineering	54,419	54,584	31,717	35,618	22,702	18,966
Engineering, nec	98,104	91,687	36,198	34,668	61,906	57,019

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 81. Current fund expenditures for research equipment at universities and colleges, by science and engineering field, source of funds, and institutional control: FY 2007

(Dollars in thousands)

Field	All expenditures			Federal			Nonfederal		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
All science and engineering	1,846,948	1,342,286	504,662	1,079,199	735,094	344,105	767,749	607,192	160,557
Science	1,419,502	1,032,908	386,594	832,715	572,228	260,487	586,787	460,680	126,107
Computer sciences	74,451	55,173	19,278	52,306	36,732	15,574	22,145	18,441	3,704
Environmental sciences	138,379	116,810	21,569	103,189	86,030	17,159	35,190	30,780	4,410
Atmospheric sciences	33,545	28,739	4,806	29,002	24,383	4,619	4,543	4,356	187
Earth sciences	36,030	29,853	6,177	23,146	18,631	4,515	12,884	11,222	1,662
Oceanography	61,870	53,284	8,586	46,772	40,436	6,336	15,098	12,848	2,250
Environmental sciences, nec	6,934	4,934	2,000	4,269	2,580	1,689	2,665	2,354	311
Life sciences	762,400	553,133	209,267	411,708	277,452	134,256	350,692	275,681	75,011
Agricultural sciences	79,158	76,869	2,289	24,173	22,996	1,177	54,985	53,873	1,112
Biological sciences	272,368	179,044	93,324	153,906	91,127	62,779	118,462	87,917	30,545
Medical sciences	364,743	255,073	109,670	200,787	133,873	66,914	163,956	121,200	42,756
Life sciences, nec	46,131	42,147	3,984	32,842	29,456	3,386	13,289	12,691	598
Mathematical sciences	8,685	5,270	3,415	6,297	3,588	2,709	2,388	1,682	706
Physical sciences	307,774	211,715	96,059	214,858	134,325	80,533	92,916	77,390	15,526
Astronomy	29,069	20,649	8,420	24,508	16,532	7,976	4,561	4,117	444
Chemistry	111,137	83,029	28,108	72,219	52,627	19,592	38,918	30,402	8,516
Physics	142,348	88,079	54,269	108,700	59,664	49,036	33,648	28,415	5,233
Physical sciences, nec	25,220	19,958	5,262	9,431	5,502	3,929	15,789	14,456	1,333
Psychology	14,149	10,108	4,041	8,812	5,743	3,069	5,337	4,365	972
Social sciences	19,112	16,596	2,516	10,912	9,759	1,153	8,200	6,837	1,363
Economics	2,215	2,066	149	659	590	69	1,556	1,476	80
Political sciences	800	621	179	392	326	66	408	295	113
Sociology	2,815	1,975	840	1,492	874	618	1,323	1,101	222
Social sciences, nec	13,282	11,934	1,348	8,369	7,969	400	4,913	3,965	948
Sciences, nec	94,552	64,103	30,449	24,633	18,599	6,034	69,919	45,504	24,415
Engineering	427,446	309,378	118,068	246,484	162,866	83,618	180,962	146,512	34,450
Aeronautical/astronautical engineering	21,708	15,247	6,461	14,064	10,027	4,037	7,644	5,220	2,424
Bioengineering/biomedical engineering	27,393	17,331	10,062	13,570	7,137	6,433	13,823	10,194	3,629
Chemical engineering	37,091	30,927	6,164	18,892	15,124	3,768	18,199	15,803	2,396
Civil engineering	27,848	23,501	4,347	13,535	10,412	3,123	14,313	13,089	1,224
Electrical engineering	93,037	73,287	19,750	62,572	48,545	14,027	30,465	24,742	5,723
Mechanical engineering	74,098	38,677	35,421	53,565	23,831	29,734	20,533	14,846	5,687
Metallurgical/materials engineering	54,584	38,332	16,252	35,618	24,937	10,681	18,966	13,395	5,571
Engineering, nec	91,687	72,076	19,611	34,668	22,853	11,815	57,019	49,223	7,796

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	1,892,591	1,877,550	1,826,485	1,846,948	1,173,286	1,175,604	1,088,109	1,079,199
1	Johns Hopkins U., The ^a	57,470	47,970	50,214	45,534	26,745	18,922	20,164	13,687
2	SUNY Albany	44,522	53,976	57,697	39,107	5,748	5,420	3,763	647
3	U. WI Madison	37,725	42,063	41,345	38,818	21,526	29,812	28,881	25,986
4	OH State U. all campuses	25,977	17,481	26,131	37,772	9,848	6,127	7,744	12,195
5	MA Institute of Technology	38,908	30,237	30,486	36,835	32,639	22,704	22,532	29,748
6	U. CA, San Diego	60,566	29,637	29,842	34,990	51,459	22,736	22,516	23,453
7	TX A&M U.	20,720	18,563	20,508	32,221	6,781	9,898	8,779	21,016
8	U. WA	29,930	30,129	27,425	32,079	26,675	26,271	24,380	27,765
9	SUNY Stony Brook all campuses	8,160	16,033	11,456	31,494	5,607	14,019	3,926	3,082
10	VA Polytechnic Institute and State U.	17,204	15,864	18,114	31,458	4,497	4,140	3,795	5,417
11	U. Rochester	15,166	32,061	38,353	30,342	13,378	28,609	35,238	29,152
12	U. PR Medical Sciences Campus	29,089 i	29,089	29,089 i	29,089 i	23,931 i	23,931	23,931 i	23,931 i
13	U. FL	21,143	21,299	27,014	28,865	9,101	7,359	12,323	10,334
14	PA State U. all campuses	26,548	30,150	24,316	25,525	16,167	20,024	13,831	15,422
15	U. CA, Los Angeles	37,497	26,831	20,338	22,771	25,698	16,091	11,374	14,305
16	U. IL Urbana-Champaign	28,346	35,326	20,774	22,527	22,294	29,335	10,051	9,131
17	Purdue U. all campuses	40,877	37,502	26,413	22,440	11,192	9,585	9,394	17,221
18	Stanford U.	19,196	18,230	18,892	21,592	16,666	16,029	15,999	18,609
19	U. HI Manoa	8,371	11,855	7,418	21,484	5,612	8,512	5,304	20,397
20	U. SD	2,399	1,349	4,714	21,473	2,227	934	4,446	16,683
21	U. MS all campuses	5,212	12,746	15,084	20,446	4,173	12,051	14,047	18,701
22	U. MI all campuses	18,490	15,729	19,202	19,633	10,932	9,236	8,197	8,051
23	IN U. all campuses	31,634	20,789	25,920	19,298	7,064	5,310	5,083	4,976
24	Cornell U. all campuses	22,983	20,844	21,604	19,061	18,761	17,040	18,525	15,573
25	CA Institute of Technology	24,347	19,722	16,161	18,960	14,014	18,889	15,082	18,128
26	U. Pittsburgh all campuses	10,435	9,366	12,547	18,870	8,733	5,095	5,554	9,296
27	U. of the VI	1,655	0	570	17,842	1,655	0	570	12,561
28	U. KY all campuses	11,776	10,670	12,841	16,806	3,742	4,098	3,798	3,880
29	U. MN all campuses	17,320	14,639	15,669	16,771	10,542	7,940	7,512	5,301
30	U. CA, Berkeley	18,931	16,896	17,862	15,533	12,749	11,880	11,873	9,443
31	Northwestern U.	12,257	15,593	14,355	15,220	5,716	6,483	5,230	5,807
32	U. CA, San Francisco	18,290	12,969	15,191	14,983	10,282	6,815	6,930	5,857
33	U. Miami	11,790	10,666	12,040	14,825	8,929	8,193	5,885	8,863
34	LA State U. all campuses	20,194	18,274	14,112	14,372	6,370	5,626	6,561	3,568
35	U. AZ	14,145	13,291	11,233	13,954	8,766	6,510	5,621	6,119
36	Harvard U.	15,589	13,771	14,421	13,655	14,731	12,920	12,599	12,221
37	U. CA, Davis	21,839	23,213	18,884	13,197	9,088	7,925	8,255	5,356
38	U. KS all campuses	6,823	6,214	5,679	13,091	6,131	5,484	4,746	9,697
39	Washington U. St. Louis	22,420	27,333	18,345	13,005	20,019	24,750	14,937	9,309
40	MS State U.	14,727	9,660	13,577	12,869	7,052	3,805	7,743	6,369
41	Baylor C. of Medicine	24,360	14,448	17,608	12,608	17,797	3,960	5,916	6,195
42	Case Western Reserve U.	12,333	7,871	18,600	12,529	5,673	5,293	10,740	7,582
43	U. Chicago	17,989	15,664	16,707	12,444	17,319	14,453	14,103	10,664
44	GA Institute of Technology all campuses	16,399	13,511	11,440	12,099	4,707	5,962	6,714	4,879
45	U. CA, Santa Barbara	11,437	13,035	10,616	11,997	6,824	10,086	6,387	9,379
46	U. CA, Irvine	12,857	9,879	12,397	11,917	7,955	7,128	6,551	5,741
47	U. MD College Park	8,334	9,148	8,919	11,137	4,630	5,938	5,653	6,084
48	FL State U.	11,796	8,036	12,646	11,132	8,275	5,049	8,609	7,066

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
49	MI State U.	10,486	9,287	9,398	10,981	4,880	4,426	4,074	6,878
50	U. PA	11,873	11,990	14,087	10,909	8,397	7,197	11,265	8,073
51	U. Southern CA	7,060	6,783	7,271	10,694	5,167	4,857	5,392	7,205
52	U. Louisville	5,464	8,911	8,155	10,631	3,001	6,227	6,426	6,757
53	Duke U.	10,905	9,562	9,105	10,573	7,937	7,134	6,501	7,450
54	Columbia U. in the City of NY	13,045	30,116	12,560	10,515	11,187	23,847	10,883	8,951
55	U. South FL	4,871	8,134	13,989	10,369	2,575	6,363	7,111	6,382
56	U. TX Austin	9,788	13,626	14,614	10,356	6,603	7,481	9,539	6,938
57	U. NE all campuses	8,581	26,826	7,792	10,217	3,099	3,162	3,726	4,201
58	AZ State U.	6,173	7,660	10,953	9,945	3,475	4,159	5,644	4,102
59	KS State U.	4,837	7,083	13,188	9,551	2,707	5,015	10,062	6,489
60	U. IA	11,324	11,302	7,105	9,532	6,600	6,406	3,241	5,357
61	U. TX Southwestern Medical Ctr. Dallas	10,560	12,633	12,763	9,461	5,099	6,088	3,383	1,557
62	NC State U.	7,689	7,411	8,375	9,245	4,242	3,553	3,890	4,696
63	Boston U.	7,629	6,361	9,103	9,156	7,405	6,012	8,328	8,923
64	Yale U.	12,137	10,712	11,411	9,156	10,636	9,107	9,316	7,229
65	U. GA	11,095	10,861	11,500	8,940	3,068	3,703	2,508	3,192
66	Vanderbilt U.	12,365	12,859	12,904	8,863	9,423	8,856	10,271	6,598
67	Rutgers, The State U. NJ all campuses	8,922	7,559	8,653	8,738	4,888	3,939	5,258	5,262
68	Clemson U.	5,813	5,760	5,186	8,611	2,518	2,369	2,592	2,667
69	U. CO all campuses	13,463	15,537	13,936	8,606	11,601	14,668	13,736	8,110
70	U. UT	11,183	9,818	10,125	8,513	7,476	4,691	5,052	4,686
71	Carnegie Mellon U.	10,880	7,577	19,794	8,367	8,183	6,252	18,050	7,146
72	Wayne State U.	5,634	6,025	4,034	8,210	2,867	3,260	1,909	5,433
73	NM Institute of Mining and Technology	1,879	1,848 i	1,816	8,202	680	668 i	1,093	7,967
74	Emory U.	7,636	5,870	8,608	8,146	3,685	4,590	3,034	3,195
75	U. NM main campus	6,788	9,182	8,016	8,041	4,561	6,875	7,180	5,847
76	IA State U.	7,754	4,743	7,987	7,940	3,048	2,155	4,467	3,514
77	U. Dayton	4,988	5,210	6,372	7,763	4,068	3,604	1,919	1,763
78	U. NC Chapel Hill	5,992	5,963	5,703	7,559	3,617	4,366	3,938	5,094
79	U. DE	8,521	8,236	7,077	7,409	5,057	4,457	3,593	4,036
80	Old Dominion U.	1,671	2,068	4,124	7,391	1,017	746	531	367
81	U. TX M. D. Anderson Cancer Ctr.	9,479	7,403	11,329	7,380	1,481	1,946	2,310	2,507
82	MT State U. Bozeman	3,696	3,558	4,500	7,009	2,796	2,922	3,924	5,766
83	U. AR main campus	4,799	6,589	5,789	6,781	2,579	3,598	1,205	3,356
84	U. VA all campuses	7,715	7,816	7,217	6,766	6,752	6,614	6,142	5,499
85	NY U.	7,241	6,170	5,929	6,612	6,218	4,507	2,873	4,129
86	U. TN all campuses	2,769	5,465	8,053	6,600	2,083	4,218	3,217	1,427
87	U. CA, Riverside	3,161	8,568	4,827	6,593	2,268	7,152	3,145	4,145
88	WA State U.	5,096	6,340	4,899	6,590	2,825	3,957	3,203	4,159
89	U. SC all campuses	6,185	3,852	8,380	6,572	3,617	2,042	4,100	4,479
90	U. AK Fairbanks all campuses	8,378	5,866	6,504	6,504 i	5,877	4,707	4,666	4,666 i
91	OR Health & Science U.	7,248	5,687	5,545	6,489	6,289	4,582	4,624	5,344
92	U. IL Chicago	9,697	9,552	6,923	6,148	6,455	6,008	3,019	2,948
93	Northeastern U.	2,041	3,359	4,204	6,087	1,441	864	1,029	1,459
94	U. MA Amherst	5,874	5,711	6,675	6,010	4,146	3,496	3,703	4,050
95	U. NH	8,255	6,511	6,603	5,946	7,816	6,387	6,471	5,732
96	U. CA, Santa Cruz	6,416	5,474	4,855	5,688	5,145	3,710	3,104	3,861

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
97	U. NV, Reno	5,635	7,658	8,036	5,660	4,004	5,018	6,762	4,397
98	SUNY Buffalo all campuses	9,742	6,647	6,406	5,575	5,391	4,937	4,669	3,229
99	U. ID	4,279	3,508	3,073	5,549	3,424	2,735	1,868	2,828
100	U. OK all campuses	6,857	8,823	7,165	5,536	4,849	6,171	4,713	2,427
101	Yeshiva U.	10,916	8,683	4,974	5,441	9,650	7,704	2,304	2,201
102	Naval Postgraduate School	5,156 i	5,446	7,340	5,429	5,156 i	5,374	7,039	5,392
103	Scripps Research Institute, The	6,541 i	7,194	7,397	5,419	3,474 i	4,002	5,392	3,634
104	WV U.	5,154	5,531	3,370	5,268	3,575	3,431	2,712	1,673
105	Rockefeller U.	6,198	4,744	3,789	5,184	1,910	520	878	1,355
106	U. of Notre Dame	5,607	4,660	5,475	5,178	3,945	2,745	4,189	2,941
107	U. Central FL	16,650	7,875	10,956	5,047	10,332	3,577	3,677	3,873
108	U. Houston	1,888	4,740	6,272	5,027	1,065	765	1,652	2,160
109	CO State U.	4,191	4,770	4,369	4,910	2,611	3,409	3,717	3,719
110	Medical U. SC	4,341	4,817	4,262	4,805	2,709	2,642	2,644	2,169
111	U. TX Health Science Ctr. San Antonio	3,795	2,918	4,824	4,805	1,579	1,318	1,310	1,127
112	Medical C. WI	7,428	6,515	5,484	4,790	5,432	4,144	3,113	2,340
113	Princeton U.	5,461	6,736	5,495	4,739	4,825	6,108	5,098	4,412
114	Woods Hole Oceanographic Institution	3,136	3,100	2,378	4,707	2,810	2,694	2,019	3,641
115	Rice U.	5,045	4,804	5,269	4,598	4,740	4,566	4,853	4,087
116	U. MO-Columbia	3,550	7,286	6,834	4,559	1,050	4,683	3,506	2,387
117	Tulane U.	4,208	3,520	3,170	4,357	1,966	2,614	2,384	3,653
118	U. TX Health Science Ctr. Houston	4,510	4,045	2,269	4,319	3,263	3,116	1,320	2,634
119	Dartmouth C.	5,946	2,902	7,812	4,232	5,396	2,455	5,336	3,619
120	U. ME	5,303	4,467	3,403	4,127	3,231	2,444	895	2,758
121	Brown U.	4,481	4,803	7,899	3,989	2,841	3,221	6,130	3,169
122	U. CT all campuses	6,657	5,637	4,206	3,974	5,374	4,159	1,690	2,513
123	Tufts U.	1,776	1,921	2,022	3,956	1,302	1,557	1,493	1,833
124	U. Akron all campuses	1,227	1,612	2,594	3,955	485	426	1,256	1,941
125	U. AL Birmingham, The	6,074	3,653	3,814	3,919	4,451	3,034	3,005	3,078
126	OK State U. all campuses	2,948	2,651	4,106	3,739	1,623	954	1,892	1,210
127	U. MD Baltimore	7,167	3,744	3,686	3,713	3,097	2,276	2,990	2,427
128	NM State U. main campus	6,552	5,890	7,442	3,662	3,735	5,115	6,047	3,115
129	ND State U. all campuses	9,023	6,169	4,614	3,622	7,219	6,012	3,722	2,321
130	San Francisco State U.	670 i	771 i	874	3,531	471 i	542 i	854	1,204
131	U. ND all campuses	3,193	2,497	2,988	3,508	2,999	1,125	2,333	2,872
132	Southern IL U. Edwardsville	2,569	3,054	3,165	3,463	41	172	55	132
133	Rensselaer Polytechnic Institute	3,343	3,981	3,560	3,372	2,573	2,176	2,762	2,807
134	U. PR Mayaguez Campus	1,657	2,180	2,072	3,298	931	945	983	1,949
135	U. RI	4,331	2,278	2,487	3,210	4,212	1,784	2,062	2,958
136	Mt. Sinai School of Medicine	4,498	4,137	2,958	3,179	3,047	3,264	2,255	2,614
137	Air Force Institute of Technology	2,903	2,916	6,890	3,168	898	1,010	1,594	1,170
138	NJ Institute of Technology	2,179	2,607	2,664	3,046 i	1,440	1,770	2,010	2,298 i
139	OR State U.	2,724	4,095	3,283	3,017	2,354	2,726	1,946	2,176
140	U. NV, Las Vegas	4,627 i	3,885	2,988	2,955	4,602 i	2,535	2,779	2,547
141	U. TX Medical Branch	2,654	4,050	3,913	2,892	1,282	1,917	2,196	1,921
142	TX Tech U.	2,353	2,951	3,974	2,840	1,329	1,003	1,342	782
143	Lehigh U.	3,917	4,352	1,508	2,683	2,315	2,958	1,038	1,926
144	CA State Polytechnic U. San Luis Obispo	571	625	1,077	2,682	315	256	341	1,158
145	SD School of Mines and Technology	1,232	3,365	2,737	2,666	1,229	3,077	2,730	2,283

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
146	MI Technological U.	1,710	1,329	1,061	2,654	900	984	424	1,653
147	Auburn U. all campuses	5,475	5,482	1,623	2,620	2,440	1,691	1,481	2,353
148	U. AR for Medical Sciences	2,416	3,874	3,133	2,604	969	1,386	1,829	1,135
149	Desert Research Institute	2,185	2,151	3,423	2,601	1,705	2,116	2,717	1,676
150	U. TX Arlington	1,972	2,321	2,584	2,599	1,850	2,149	2,431	2,494
151	U. TX Dallas	2,566	5,590	2,588	2,594	965	1,342	362	369
152	IL Institute of Technology	1,800	3,265	4,006	2,549	1,331	1,233	1,964	2,327
153	U. LA Lafayette	11,337	3,388	3,220	2,441	644	402	302	302
154	U. WI Milwaukee	1,031	1,394	1,138	2,421	308	402	527	1,590
155	Southern IL U. Carbondale	2,290	2,626	3,066	2,405	244	625	1,048	784
156	VA Commonwealth U.	4,087	4,293	3,038	2,335	3,659	3,873	2,734	2,147
157	U. Toledo	2,582	1,454	1,057	2,324	688	500	293	1,663
158	C. of William and Mary all campuses	2,852	4,164	2,357	2,317	2,143	2,858	1,982	1,311
159	GA State U.	642	2,438	1,560	2,312	132	118	171	108
160	Wake Forest U.	3,116	2,569	2,348	2,274	2,546	1,930	1,458	1,560
161	U. OR	2,539	3,420	2,417	2,250	2,254	3,250	1,502	1,626
162	TX A&M U. System Health Science Ctr.	1,624	1,625	613	2,187	890	1,077	582	488
163	U. AL, The	2,045	3,956	1,315	2,120	1,322	2,861	1,058	2,028
164	CUNY Hunter C.	2,286	1,056	3,017	2,112	667	403	1,983	247
165	U. MA Lowell	994	1,634	2,664	2,099	797	1,334	2,559	1,534
166	SUNY C. of Environmental Science and Forestry	1,454 i	1,660 i	1,866 i	2,076	151 i	172 i	194 i	341
167	Stevens Institute of Technology	1,051	842	757	2,061	978	830	670	2,021
168	FL Atlantic U.	1,336 i	1,510 i	1,686	2,054	886 i	1,001 i	1,450	802
169	U. AL Huntsville, The	1,308	1,301	1,372	2,014	963	845	1,172	1,728
170	Howard U.	2,160	1,668	1,735	2,011	2,137	1,638	1,711	1,774
171	U. TX San Antonio	1,267	2,164	3,599	1,969	772	1,452	1,233	856
172	U. Southern MS	896	3,116	2,256	1,954	727	2,876	2,223	1,878
173	U. North TX Health Science Ctr. Ft. Worth	286	1,565	1,475	1,947	116	1,484	1,169	607
174	Tuskegee U.	1,548	1,473	1,564	1,923	1,428	1,322	1,185	1,458
175	U. of Medicine and Dentistry NJ	4,260	4,386	3,680	1,881	2,589	3,552	2,503	891
176	Marshall U.	1,314	2,089	2,759	1,841	1,224	2,002	2,164	1,677
177	Wichita State U.	2,697	1,868	1,678	1,833	2,234	1,295	1,215	1,247
178	Drexel U.	1,577	3,376	2,663	1,800	1,464	2,293	2,470	1,331
179	U. Cincinnati all campuses	7,713	4,572	7,550	1,794	1,599	1,876	2,708	164
180	SUNY Binghamton	2,673	1,640	2,253	1,756	729	215	548	807
181	Medical C. GA	4,352	4,755	920	1,754	917	1,143	691	421
182	U. MA Worcester	3,616	1,866	1,952	1,741	2,962	1,426	1,617	1,495
183	Wright State U. all campuses	1,680	871	1,430	1,735	561	618	1,160	662
184	U. MD Biotechnology Institute	1,047	1,122	880	1,726	291	227	250	488
185	SD State U.	1,434	1,030	1,198	1,717	1,181	800	878	996
186	Temple U.	633	1,774	2,337	1,622	508	824	669	604
187	U. VT	5,983	3,968	3,071	1,622	4,845	2,856	2,224	1,421
188	CUNY The City C.	1,364	1,273	1,125	1,620	837	790	645	1,036
189	U. MT-Missoula, The	2,655	1,053	1,731	1,605	2,581	1,047	1,199	1,452
190	Jackson State U.	1,914	2,170	1,704	1,602	1,914	2,170	1,704	1,555
191	FL International U.	13,408	3,167	2,375 i	1,583	9,800	2,726	2,044 i	1,265
192	Boston C.	793 e	593	1,350	1,575	514 e	476	716	1,391

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
193	U. WY	1,441 e	2,162	1,855	1,560	231 e	1,195	861	1,138
194	TX Tech U. Health Science Ctr.	994	780	2,362	1,553	100	48	1,141	127
195	Boise State U.	1,675	689	861	1,549	1,350	601	816	1,472
196	Brandeis U.	3,545	2,177	3,251	1,543	3,242	1,811	3,162	1,474
197	UT State U.	1,887	1,863	2,988	1,537	874	1,207	1,726	789
198	George Washington U.	1,349	2,183	1,099	1,491	1,098	1,687	636	962
199	U. NC Charlotte	3,705	1,741	1,550	1,490	3,545	1,612	1,478	1,490
200	Thomas Jefferson U.	4,214	2,625	1,579	1,476	1,907	1,541	1,075	901
201	Creighton U.	1,643	2,290	2,946	1,461	914	989	827	291
202	FL A&M U.	2,548	2,470	4,630	1,432	2,119	1,887	4,218	1,356
203	Georgetown U.	3,018	3,147	1,732	1,420	2,625	1,896	1,569	1,327
204	Uniformed Services U. of the Health Sciences	2,796	2,139	3,777	1,402	868	1,287	1,576	1,099
205	Loma Linda U.	1,343	1,670	2,010	1,377	1,145	1,553	1,997	651
206	SUNY Upstate Medical U.	1,671	1,196	1,480	1,290	1,211	801	622	733
207	AR State U. main campus	858	155	862	1,245	75	55	777	1,030
208	DE State U.	872 i	1,214	1,276	1,219	865 i	1,172	1,187	1,036
209	Rush U.	1,096	677	240	1,217	853	475	156	93
210	Villanova U.	818 i	946 i	1,075 i	1,206	817 i	944 i	1,075 i	1,166
211	OH U. all campuses	1,142	1,239	533	1,172	1,074	901	438	822
212	Mercer U. all campuses	894	1,034	437	1,167	630	602	253	501
213	U. MA Dartmouth	1,407	642	987	1,149	875	520	776	854
214	Rochester Institute of Technology	1,322	1,509	1,629	1,140	807	1,268	1,221	897
215	East Carolina U.	722	1,418	1,073	1,101	617	1,153	844	291
216	CO School of Mines	781	1,188	1,304	1,093	639	892	1,220	902
217	San Diego State U.	2,710	6,525	7,677	1,092	1,150	1,226	581	728
218	Northern IL U.	890	1,000	502	1,059	656	1,000	495	1,035
219	Clarkson U.	2,595	1,422 i	248	1,056	953	522 i	60	299
220	Albany C. of Pharmacy	50	997	123	1,031	25	3	9	0
221	ID State U.	931	1,647	1,151	1,007	609	1,082	872	786
222	Western WA U.	479	549	892	988	125	241	539	245
223	Syracuse U. all campuses	1,396	3,101	850	981	1,014	1,349	679	514
224	U. Memphis, The	184	463	333	977	149	450	300	963
225	CUNY Queens C.	452	417	582	968	412	410	521	816
226	Kent State U. all campuses	1,453	1,406	387	961	1,318	382	273	159
227	TX A&M U. Kingsville	427	1,043	348	956	237	588	121	275
228	CUNY C. Staten Island	303	102	110	953	41	56	33	29
229	U. North TX	692	2,782	3,303	945	121	1,974	2,830	687
230	TN Technological U.	435	541	312	940	224	462	205	852
231	CA State U. Los Angeles	1,543	1,724	168	938	1,044	1,713	168	928
232	Lawrence Technological U.	0	60	1,581	933	0	0	1,570	838
233	U. MO-Rolla	2,250	3,962	2,554	903	1,100	3,543	1,778	642
234	Bowling Green State U. all campuses	507	304	323	883	507	304	279	784
235	NC Agricultural and Technical State U.	946	766	1,442	880	607	450	961	592
236	Loyola U. Chicago	754	594	274	874	698	432	185	496
237	Pomona C.	296	309	248	865	226	24	15	173
238	U. CA, Merced	na	566	189	854	na	459	150	26
239	U. TX El Paso	1,254	597	1,131	850	989	375	1,131	850
240	U. South AL	629	264	508	843	448	209	142	540

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
241	U. PR Rio Piedras Campus	582	2,218	1,249	833	513	2,153	996	617
242	Xavier U. LA	576	416 i	256	831	573	413 i	256	831
243	Western MI U.	1,023	2,657	1,766	822	707	2,160	1,528	489
244	U. MD Baltimore County	1,154	1,209	815	815 i	297	0	236	236 i
245	Southern Methodist U.	223	175	611	810	223	175	437	789
246	George Mason U.	1,178	1,660	424	797	738	1,330	376	381
247	LA Tech U.	1,465	1,246	494	788	437	810	175	346
248	Meharry Medical C.	615	277	394	787	585	277	394	787
249	Western KY U.	879	796	1,031	776	661	690	960	744
250	U. NC Asheville	375	573	479	775	11	509	386	467
251	Brigham Young U. all campuses	768	1,109	755	774	734	1,018	688	646
252	Hamilton C. (Clinton, NY)	187	478	450	766	81	257	250	144
253	Appalachian State U.	16	188	390	764	16	151	359	520
254	U. Tulsa	943	542	568	737	412	306	279	379
255	San Jose State U.	1,012	667	502	730	773	548	420	635
256	U.S. Naval Academy	253	578	605	729	253	469	428	535
257	Cleveland State U.	1,032	449	1,035	717	529	285	421	247
258	U. MO-Kansas City	1,446	1,735	502	706	1,092	871	71	423
259	Southwest MO State U.	759	1,151	767	704	520	925	626	702
260	U. TX-Pan American	46	521	952	698	39	521	820	638
261	AL A&M U.	3,455	1,670	534	683	2,361	1,238	173	570
262	U. MA Boston	477	314	706	660	224	136	150	220
263	Western Carolina U.	725	315	1,011	656	725	315	993	487
264	Universidad Central del Caribe	859	339	448	650	856	339	448	650
265	Lincoln U. (Jefferson City, MO)	265	463	891	631	108	251	801	617
266	U. North FL	50	447	411	622	17	58	359	572
267	Colgate U.	702	308	449	602	205	26	101	147
268	Norfolk State U.	947	658	484	601	920	512	472	577
269	Langston U.	453	2,400	1,180	571	453	2,400	1,180	571
270	VA State U.	405 i	541	684	542	405 i	274	667	513
271	Duquesne U.	627	577	333	538	627	577	333	504
272	Alfred U. all campuses	402	131	283	533	71	8	0	14
273	TX A&M U. Corpus Christi	417	323	959	516	375	265	674	276
274	Worcester Polytechnic Institute	1,070	1,328	691	505	626	1,014	562	391
275	Northern AZ U.	1,233	876	1,000	500	964	619	553	295
276	U. MD Ctr. for Environmental Science	721	680	725	497	204	99	280	230
277	Central MI U.	1,001	483	87	493	0	384	20	137
278	Macalester C.	618	491	615	491	480	370	484	242
279	Alcorn State U.	584	383	236	485	584	383	236	485
280	Lamar U.	159	48	152	477	138	0	107	358
281	Wilberforce U.	129 i	244 i	359 i	477	129 i	244 i	359 i	477
282	Claffin U.	0	0	476	476 i	0	0	476	476 i
283	Prairie View A&M U.	325	588	307	476	325	575	307	469
284	Ponce School of Medicine	1,056	522	472	465	1,056	522	472	465
285	St. Louis U. all campuses	672 e	1,082	782	458	641 e	1,030	727	419
286	Oakland U.	709	482	733	449	661	452	655	432
287	Polytechnic U.	503	425	450	440	102	0	0	0
288	U. Central AR	440 i	440 i	440 i	440 i	205 i	205 i	205 i	205 i
289	U.S. Military Academy	368 i	391 i	414 i	439	0 i	0 i	0 i	439
290	U. LA Monroe	341 i	374	17	439	123 i	144	5	33

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
291	U. Richmond	461	867	206	419	418	812	180	343
292	CA State U. Fresno	567	630	140	416	90	310	0	385
293	Wesleyan U.	360	118	117	413	265	114	26	367
294	Hampton U.	905	218	1,648	411	905	218	1,648	411
295	Nova Southeastern U.	146	311	409	407	60	98	159	82
296	Bluefield State C.	32	0	0	401	32	0	0	0
297	Saginaw Valley State U.	1	5	3	400	0	0	3	387
298	Monmouth U.	10 i	17	267	399	10 i	17	267	399
299	Fordham U.	28	78	305	398	0	5	45	4
300	Trinity C. (Hartford, CT)	116	51	39	398	114	51	38	321
301	Charles R. Drew U. of Medicine and Science	642	43,231	649	394	642	41,207	649	301
302	FL Institute of Technology	625	892	923	385	520	706	756	155
303	Savannah State U.	85	148	241	374	85	148	241	374
304	U. NC Wilmington	1,043	1,117	782	371	527	871	420	164
305	U. WI La Crosse	130	186	121	370	47	186	71	370
306	SUNY C. Geneseo	155	205	188	369	65	205	127	305
307	Union C. (Schenectady, NY)	432	647	149	369	34	336	109	152
308	TX Southern U.	239 i	231	299 i	368	239 i	220	284 i	364
309	Morehead State U.	368	879	62	356	313	573	59	356
310	Stephen F. Austin State U.	358	237	462	356	97	75	361	144
311	Harvey Mudd C.	413 i	387	206	349	87 i	371	24	79
312	Seattle U.	128	349	349 i	349 i	13	230	230 i	230 i
313	Portland State U.	818 e	579	1,163	342	129 e	466	866	184
314	Bryn Mawr C.	324	642	524	340	62	119	41	31
315	TN State U.	836	325	682	335	805	298	655	310
316	CA State U. Long Beach	631	407	442	332	461	399	186	332
317	Midwestern U. (Chicago, IL)	405	478	341	328	52	125	3	4
318	U. Northern IA	28	28	22	327	3	1	3	19
319	Dillard U.	679	562 i	445 i	326	351	290 i	230 i	0
320	Millersville U. PA	252 i	273 i	294 i	322	96 i	104 i	112 i	322
321	U. New England	ne	ne	27	321	ne	ne	24	7
322	East TN State U.	113	359	305	312	106	243	210	222
323	U. NC Greensboro	236	310	151	310	230	299	30	262
324	Bridgewater State C.	5	18	309	309 i	0	15	274	274 i
325	Embry-Riddle Aeronautical U.	85	553	431 i	309	85	531	413 i	263
326	Fisk U.	0	200	0	300	0	200	0	0
327	TX Woman's U.	19	18	444	286	0	0	0	20
328	U. MD Eastern Shore	4,232 i	4,343 i	4,454	286	3,962 i	4,066 i	4,367	285
329	Polytechnic U. PR	ne	ne	ne	285	ne	ne	ne	285
330	St. Francis U. (Loretto, PA)	ne	402	370	285	ne	402	370	285
331	Morehouse School of Medicine	1,319	615	238	283	723	490	231	232
332	Maharishi U. of Management	0 e	0	0	280	0 e	0	0	280
333	CUNY York C.	155	80	33	278	150	0	0	272
334	Albany Medical C.	474	451	325	275	437	431	216	251
335	Hope C.	899	188	716	275	817	60	576	169
336	Kettering U.	105	761	1,367	275	100	271	1,352	37
337	Swarthmore C.	197	352	573	275	74	51	374	35
338	CA State U. Northridge	836	220	463	271	830	215	463	264
339	Baylor U.	627	1,613	252	265	282	312	206	182
340	Benedict C.	55	277	99	264	53	277	99	264

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
341	U. WI Eau Claire	17	143	387	255	17	114	382	225
342	Lafayette C.	408	461	408	253	350	447	328	81
343	U. Denver	661	255	85	252	648	207	76	252
344	Morgan State U.	775	908	976	246	757	884	946	239
345	Loyola C.	344	0	121 i	243	344	0	0 i	239
346	Milwaukee School of Engineering	32	190	273	241	4	0	172	19
347	Grand Valley State U.	2,153	1,161 i	168	240	0	0 i	0	0
348	CA State Polytechnic U. Pomona	343	309	334	239	343	309	334	239
349	Loyola Marymount U.	196	59	573	239	181	58	179	15
350	C. NJ, The	304 i	283 i	247 i	237	69 i	64 i	47 i	0
351	Smith C.	202	482	627	236	174	388	456	148
352	Clark Atlanta U.	360	782	630	235	360	736	508	101
353	U.S. Air Force Academy	1,700	569	224	233	1,700	569	224	233
354	Eastern MI U.	196	172	209	228	118	154	209	228
355	Sinte Gleska U.	ne	30	28	219	ne	30	28	219
356	Williams C.	219 i	219 i	219 i	219 i	80 i	80 i	80 i	80 i
357	NY Institute of Technology all campuses	201	267	651	218	201	65	64	184
358	Amherst C.	386	240	617	217	108	163	384	27
359	West Chester U. PA	127	24	0	217	127	0	0	217
360	Morehouse C.	216 i	146	38	216	210 i	138	30	212
361	Marquette U.	351	367	307	211	251	284	288	211
362	Catholic U. America, The	140	364	199	208	62	326	135	162
363	Wellesley C.	393	216	73	207	384	177	72	200
364	Pacific Lutheran U.	141 i	160 i	179 i	206	88 i	100 i	111 i	181
365	Mercyhurst C.	ne	ne	43	202	ne	ne	3	56
366	SC State U.	189	202	202	202	188	201	201	201
367	Bucknell U.	120	176	588	200	62	62	383	150
368	A.T. Still U. of Health Sciences	83	107	229	199	0	14	2	7
369	Mercy C.	ne	110 i	200	199	ne	92 i	200	199
370	Miles C.	ne	ne	ne	197	ne	ne	ne	197
371	TX State U. San Marcos	381	203	103	194	359	0	78	174
372	Southern U. and A&M C. all campuses	287	414 i	542	193	274	395 i	530	173
373	SUNY C. Old Westbury	109	431	145	193	109	431	145	193
374	Mt. Holyoke C.	471	240	458	192	375	127	358	102
375	SUNY C. Plattsburgh	28	40	73	192	15	20	18	127
376	C. Charleston	86	99	159	190	78	99	141	181
377	MT State U. Billings	ne	55 i	83	188	ne	55 i	83	188
378	U. Puget Sound	0	6	23	187	0	2	10	183
379	Fayetteville State U.	0	0	52	184	0	0	0	132
380	U. MO-St. Louis	105	429	342	184	14	12	280	36
381	Winston-Salem State U.	184 i	184 i	184 i	184 i	184 i	184 i	184 i	184 i
382	CA State U. Sacramento	147 i	159 i	171 i	183	0 i	0 i	0 i	163
383	SUNY Health Science Ctr. Brooklyn	466 i	466	345	181	410 i	357	304	145
384	NC Central U.	438 i	463 i	493	178	351 i	371 i	493	178
385	Point Loma Nazarene C.	1 i	0	28	177	1 i	0	28	177
386	U. of St. Thomas (St. Paul, MN)	143	122	11	173	71	61	0	83
387	Calvin C.	262	272	248	170	204	203	144	27
388	Evergreen State C.	0	186	89	169	0	186	0	0
389	Philadelphia C. of Osteopathic Medicine	0	0	40	169	0	0	0	0

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
390	C. Wooster	77 i	106 i	135 i	165	64 i	88 i	112 i	89
391	Murray State U.	382	586	143	164	204	343	69	16
392	NY Medical C.	949	862	166	164	668	86	166	164
393	Allegheny C.	75	19	73	163	60	8	8	34
394	AL State U.	0	158	158	158	0	156	156	156
395	U. DC	242	144	114	155	220	122	114	150
396	U. Portland	83	22	174	155	83	0	159	148
397	Dickinson C.	587	308	190	150	339	49	39	14
398	St. Olaf C.	9	130	117	149	2	102	30	107
399	Tougaloo C.	52 i	69 i	90	148	0 i	0 i	90	0
400	Ft. Valley State U.	113	192	143	145	113	192	143	145
401	Southeastern LA U.	230	202	248	141	201	149	117	77
402	U. AK Southeast all campuses	66 i	80	0	141	29 i	30	0	0
403	Ball State U.	475	293	149	137	380	269	85	132
404	CA State U. Monterey Bay	188	77	96	137	188	77	96	118
405	Coe C.	ne	ne	ne	137	ne	ne	ne	96
406	Franklin & Marshall C.	61	694	69	137	23	551	0	16
407	Miami U. all campuses	136 i	136 i	136 i	136 i	41 i	41 i	41 i	41 i
408	FL Gulf Coast U.	203	419	155	133	202	412	146	127
409	Sweet Briar C.	ne	ne	ne	133	ne	ne	ne	0
410	Rowan U.	1,479	620	57	131	1,304	570	25	131
411	CUNY Brooklyn C.	82	72	423	129	62	30	213	108
412	Augustana C. (Sioux Falls, SD)	45	112	280	126	36	112	274	120
413	Seton Hall U.	100	652	224	125	65	652	119	39
414	U. of the Pacific	140	90	262	122	130	52	31	72
415	St. Cloud State U.	95	122	68	120	80	106	15	0
416	TX Christian U.	218	134	129	120	196	110	51	71
417	Wabash C.	290	182	30	119	105	35	22	92
418	Roger Williams U. Bristol	29	205	206	116	29	197	189	115
419	Universidad del Turabo	ne	18 i	369	114	ne	0 i	320	114
420	IL State U.	320	457	99	112	200	333	58	65
421	Oberlin C.	29	480	182	112	15	434	137	84
422	U. AK Anchorage all campuses	220 i	275 i	331	112	0 i	0 i	250	0
423	U. Southern ME	631 i	739 i	851	112	15 i	18 i	610	58
424	Millsaps C.	ne	18 i	101	111	ne	0 i	101	111
425	U. WI Stevens Point	2	31	11	110	2	0	0	53
426	New School, The	54 i	45	227	108	0 i	34	214	103
427	U.S. Coast Guard Academy	380	343	54	107	380	343	54	94
428	CA State U. San Bernardino	621	317	353	106	114	79	183	61
429	Pittsburg State U.	206	329	119	104	61	129	108	60
430	Clark U.	75 e	174	489	102	75 e	71	321	7
431	SUNY C. Brockport	11	0	128	102	11	0	107	102
432	U. of the Sciences Philadelphia	10	105	318	101	0	23	145	0
433	KY State U.	124	90	100	100	0	90	86	76
434	Reed C.	290	91	96	99	224	78	37	30
435	WV State U.	1,293	87	206	99	1,293	87	206	99
436	Providence C.	0	76	72	97	0	76	72	75
437	U. Hartford	128	94	91	97	2	0	11	41
438	U. HI Hilo	0	418	328	97	0	418	328	67
439	U. West FL	150	175	202	97	116	165	193	92
440	Wheeling Jesuit U.	63 i	72 i	81 i	97	63 i	72 i	81 i	97

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
441	GA Southern U.	219	185	111	93	219	185	111	76
442	U. Houston-Clear Lake	17	3	13	91	0	0	0	0
443	NM Highlands U.	277	136	306	90	186	57	306	76
444	Western U. of Health Sciences	70	5	13	89	0	3	13	36
445	VA Military Institute	13	26	121	88	0	0	109	68
446	Augustana C. (Rock Island, IL)	412	187	87	87 i	332	100	0	0 i
447	Bowdoin C.	179	279	149	87	60	214	123	63
448	U. New Haven	0 i	0	ne	86	0 i	0	ne	86
449	U. WI Superior	0	52	46	85	0	52	46	80
450	CA State U. Bakersfield	1,780 i	2,141	425	83	0 i	172	375	0
451	U. AR Pine Bluff	388	261	252	83	356	243	172	26
452	Albany State U.	72	95	317	82	69	95	317	82
453	U. Northern CO	19	114	501	82	14	112	346	21
454	Central State U.	79 i	63	381	81	77 i	63	381	81
455	Spelman C.	169	126	171	81	169	126	0	81
456	DePaul U.	13	101	5	78	9	0	5	59
457	Fairfield U.	296	112	82	78	0	0	0	0
458	Hobart and William Smith Colleges	ne	ne	ne	78	ne	ne	ne	33
459	Humboldt State U.	96 i	94 i	90	78	69 i	67 i	67	8
460	Truman State U.	218	23	28	77	21	13	6	15
461	Vassar C.	311 i	331 i	354	76	221 i	224 i	354	76
462	Rhodes C.	0 i	5	53	73	0 i	5	53	73
463	SUNY C. Buffalo	9	6	0	73	0	6	0	65
464	U. of the South	ne	52	65	73	ne	4	8	0
465	Northeastern OH Universities C. of Medicine	145	32	53	71	119	23	48	64
466	Bates C.	121	167	387	70	89	159	269	68
467	Eastern OR U.	88	499	985	70	64	474	985	36
468	Mills C.	ne	ne	70 i	70 i	ne	ne	70 i	70 i
469	Oglala Lakota C.	ne	ne	ne	70	ne	ne	ne	70
470	SUNY C. of Optometry	21	18	70	70	19	18	48	70
471	U. Central OK	0	6	355	70	0	6	355	70
472	West Liberty State C.	ne	ne	17	70	ne	ne	17	50
473	C. of the Holy Cross	267	71	373	69	252	44	345	28
474	Occidental C.	200 i	78	37	69	77 i	16	0	59
475	Teachers C. Columbia U.	322	190	67	69	281	146	26	56
476	Willamette U.	95	39	155	69	66	0	25	0
477	Hampshire C.	123	151	15	68	4	43	7	49
478	Trinity U.	334	248	206	67	110	13	119	60
479	Northeastern State U.	73 i	94	91	66	73 i	93	91	66
480	Troy U. main campus	ne	ne	88	64	ne	ne	76	64
481	Santa Clara U.	ne	63 i	63 i	63 i	ne	63 i	63 i	63 i
482	U. AR Little Rock	62 i	62 i	62 i	62 i	62 i	62 i	62 i	62 i
483	CUNY Graduate Ctr.	6	8	2	61	0	1	0	0
484	Elizabeth City State U.	33	36	51	61	30	27	41	61
485	Rosalind Franklin U. of Medicine and Science	529	190	0	61	248	190	0	46
486	Des Moines U.	227 i	185 i	142	60	0 i	0 i	7	5
487	Abilene Christian U.	34	0	16	59	15	0	16	39
488	CA State U. East Bay	704 i	776	541	58	0 i	623	541	42
489	U. Detroit Mercy	4 e	31 i	58	58 i	2 e	15 i	1	1 i
490	Southwestern OK State U.	ne	ne	ne	57	ne	ne	ne	57

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
491	Southeastern OK State U.	22	127	142	55	1	127	142	55
492	St. Mary's C. MD	120	66	9	55	7	19	9	3
493	Roanoke C.	33	54	350	54	10	1	0	0
494	Adelphi U.	ne	32 i	42 i	53	ne	32 i	42 i	53
495	Claremont McKenna C.	ne	ne	ne	51 i	ne	ne	ne	51 i
496	Grinnell C.	268 i	85	94	50	146 i	0	0	0
497	Western IL U.	47	42	50	50	47	42	50	50
498	Northern KY U.	49	133	429	48	31	90	416	28
499	U. Redlands	112	52	44	46	102	52	44	46
500	Barnard C.	175 e	732	312	45	173 e	732	214	5
501	MT Tech of the U. MT	329	127	363	44	326	127	345	44
502	Drake U.	155	101	39	43	47	8	14	8
503	Lake Forest C.	258	32	4	43	124	14	0	0
504	Eastern VA Medical School	592	415	30	42	434	174	29	15
505	Lewis and Clark C.	38	79	10	42	8	8	9	25
506	Central WA U.	107	0	0	41	69	0	0	0
507	Lawrence U.	260 i	264 i	280	41	85 i	86 i	158	21
508	Northeastern IL U.	5	11	7	41	0	2	1	4
509	U. San Diego	70	633	32	41	14	625	28	20
510	U. WI Platteville	0 i	0	88	41	0 i	0	0	0
511	Middlebury C.	94 i	77 i	60 i	40	84 i	69 i	53 i	40
512	Siena C.	ne	ne	40 i	40 i	ne	ne	40 i	40 i
513	IL Wesleyan U.	ne	82	89	37	ne	10	0	0
514	Loyola U. New Orleans	11 i	15	27	37	5 i	5	0	0
515	Rose-Hulman Institute of Technology	356	168	966	37	75	139	887	33
516	CA State U. Fullerton	430	221	463	35	423	165	449	35
517	Long Island U. all campuses	31	83	35	35 i	31	30	21	21 i
518	CUNY Baruch C.	26	106	24	34	0	76	0	0
519	Muhlenberg C.	ne	0	0	34	ne	0	0	16
520	Wilkes U.	44	ne	31	34	0	ne	0	10
521	Colby C.	119	215	189	33	84	182	135	18
522	CUNY Herbert H. Lehman C.	79	496	58	33	70	473	47	27
523	U. GU	155	126 i	96	33	155	126 i	96	28
524	U. San Francisco	86	4	2	33	73	0	2	33
525	CT C.	54 i	68	80	32	0 i	50	29	7
526	Ithaca C.	107	22	306	32	98	22	304	0
527	Tarleton State U.	447	321	111	32	428	307	99	0
528	U. PR Humacao	402	251	2,386	32	402	246	2,386	32
529	West TX A&M U.	66	135	291	32	37	78	256	32
530	Universidad del Este	ne	ne	37	31	ne	ne	10	31
531	Middle TN State U.	644	484	791	30	444	418	37	30
532	U. Houston-Downtown	17	110	240	30	17	110	240	30
533	Bradley U.	367	154	69	29	175	85	31	7
534	Coastal Carolina U.	610	17	199	29	291	11	114	15
535	Bowie State U.	106	94	17	27	106	94	17	27
536	OR Institute of Technology	9	45	86	26	0	0	25	0
537	Youngstown State U.	472	161	422	26	350	153	411	13
538	New England C. of Optometry	66	67	55	25	66	67	0	0
539	Carleton C.	107	6	61	24	43	3	60	13
540	LeTourneau U.	ne	ne	ne	24	ne	ne	ne	15

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
541	Denison U.	48	36 i	23	23 i	25	18 i	16	16 i
542	Towson U.	3	278	104	23	3	278	99	21
543	Furman U.	136	268	121	22	123	225	121	22
544	PA C. of Optometry	9	11	21	22	8	11	21	22
545	WV School of Osteopathic Medicine	0	0	22	22	0	0	0	0
546	Bard C.	ne	22 i	ne	21 i	ne	22 i	ne	21 i
547	Central CT State U.	8	381	27	21	8	381	27	21
548	Christopher Newport U.	25	31	90	21	25	23	6	15
549	Nicholls State U.	36	44	10	21	21	35	10	8
550	U. WI Oshkosh	257	159	101	21	257	159	101	21
551	Kansas City U. of Medicine and Biosciences	15	249	70	20	15	0	0	0
552	Sul Ross State U.	21	14	95	20	20	14	66	20
553	Andrews U.	69	18	17	19	69	8	0	11
554	Gustavus Adolphus C.	282	34	52	19	226	17	37	13
555	Eastern WA U.	18 i	18 i	18 i	18 i	16 i	16 i	16 i	16 i
556	TX A&M U. Commerce	0	5	38	18	0	0	0	0
557	U. PR Cayey	ne	ne	ne	17	ne	ne	ne	17
558	Valparaiso U.	52	13	100	17	52	13	48	17
559	DePauw U.	16 i	16 i	16 i	16 i	16 i	16 i	16 i	16 i
560	Edward Waters C.	ne	ne	ne	16 i	ne	ne	ne	0 i
561	Seattle Pacific U.	ne	ne	ne	16 i	ne	ne	ne	1 i
562	Skidmore C.	33	321	16	16	23	292	11	14
563	St. John's U. (Jamaica, NY)	81 i	64	57	16	7 i	58	48	9
564	U. Scranton	58	26	37	16	58	24	22	14
565	U. WI Stout	0	0	0	16	0	0	0	0
566	Hofstra U.	62 i	87 i	114	15	0 i	0 i	114	9
567	U. TX Tyler	ne	0	0	15	ne	0	0	0
568	Sarah Lawrence C.	ne	ne	94	14	ne	ne	94	13
569	Universidad Metropolitana	ne	334 i	33	14	ne	334 i	33	14
570	Arcadia U.	ne	13 i	13 i	13 i	ne	13 i	13 i	13 i
571	Chapman U.	193	58	42	13	187	32	42	13
572	IN State U. all campuses	234	39	329	13	135	9	311	7
573	Sam Houston State U.	21 i	13	13 i	13 i	7 i	13	13 i	13 i
574	Washington and Lee U.	15 i	0	56	13	2 i	0	37	12
575	American U.	3	2	2	12	3	2	1	12
576	Claremont Graduate U.	93	141	56	12	93	87	37	0
577	Chicago State U.	0 i	0	0	11	0 i	0	0	11
578	CO State U. Pueblo	82	58	76	11	65	53	76	0
579	CUNY John Jay C. of Criminal Justice	1	6	2	11	0	0	0	2
580	Pace U. all campuses	121	6	11	11	16	6	11	11
581	William Paterson U. NJ	ne	ne	ne	11 i	ne	ne	ne	7 i
582	Fuller Theological Seminary CA	10 i	12 i	14	9	0 i	0 i	10	6
583	U. WI River Falls	32	0	0	9	0	0	0	0
584	Angelo State U.	ne	ne	46 i	8	ne	ne	5 i	0
585	Canisius C.	155 i	174 i	196	8	91 i	96 i	68	0
586	Dowling C.	ne	ne	ne	8	ne	ne	ne	8
587	Eastern KY U.	47	44	0	8	7	34	0	0
588	Kalamazoo C.	254	56	38	8	120	0	38	8
589	SUNY Fredonia	0	0	0	8	0	0	0	0
590	SUNY C. Oswego	6	14	30	7	6	14	30	0

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2007 total: FY 2004–07 (Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
591	Augsburg C.	0	5	17	6	0	5	17	2
592	Manhattan C.	6 i	6 i	6	6 i	6 i	6 i	6	6 i
593	MN State U. Mankato	6 i	6 i	6 i	6 i	0 i	0 i	0 i	0 i
594	U. CA Office of the President	122	71	44	6	0	0	0	0
595	Fairleigh Dickinson U. all campuses	ne	ne	ne	5 i	ne	ne	ne	0 i
596	Rider U.	28	0	22	5	4	0	9	2
597	Cooper Union	0	0	ne	4	0	0	ne	0
598	Goucher C.	ne	ne	ne	4	ne	ne	ne	4
599	Governors State U.	0 i	13	30	4	0 i	11	12	0
600	McNeese State U.	49	11	4	4	41	9	0	0
601	CUNY Medgar Evers C.	17	1	0	2	17	0	0	0
602	St. Joseph's U.	2	118	37	2	0	84	0	0
603	U. NC Pembroke	ne	ne	14	2	ne	ne	5	2
604	Western CT State U.	ne	ne	ne	2	ne	ne	ne	0
	All other surveyed institutions	4,118	2,818	3,385	0	3,281	2,144	2,174	0

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$39,440 in total and \$8,722 in federally financed current fund expenditures for research equipment in FY 2007.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2007 are not included in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 83. R&D expenditures at university-administered federally funded research and development centers, by character of work: FY 1953–2007

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
1953	121	33	27.3	88	72.7
1954	141	39	27.7	102	72.3
1955	180	49	27.2	131	72.8
1956	194	51	26.3	143	73.7
1957	240	65	27.1	175	72.9
1958	293	78	26.6	215	73.4
1959	338	92	27.2	246	72.8
1960	360	97	26.9	263	73.1
1961	410	115	28.0	295	72.0
1962	470	136	28.9	334	71.1
1963	530	159	30.0	371	70.0
1964	629	191	30.4	438	69.6
1965	629	208	33.1	421	66.9
1966	630	227	36.0	403	64.0
1967	673	250	37.1	423	62.9
1968	719	276	38.4	443	61.6
1969	725	275	37.9	450	62.1
1970	737	269	36.5	468	63.5
1971	716	260	36.3	456	63.7
1972	753	244	32.4	509	67.6
1973	817	296	36.2	521	63.8
1974	865	390	45.1	475	54.9
1975	987	439	44.5	548	55.5
1976	1,147	512	44.6	635	55.4
1977	1,384	600	43.4	784	56.6
1978	1,717	na	na	na	na
1979	1,935	1,022	52.8	913	47.2
1980	2,246	1,132	50.4	1,114	49.6
1981	2,486	1,270	51.1	1,216	48.9
1982	2,479	1,327	53.5	1,152	46.5
1983	2,737	1,484	54.2	1,253	45.8
1984	3,150	1,690	53.6	1,461	46.4
1985	3,523	1,765	50.1	1,758	49.9
1986	3,895	1,876	48.2	2,018	51.8
1987	4,206	2,033	48.3	2,173	51.7
1988	4,531	2,245	49.6	2,285	50.4
1989	4,730	2,352	49.7	2,377	50.3
1990	4,832	2,428	50.2	2,404	49.8
1991	5,078	2,595	51.1	2,484	48.9
1992	5,247	2,843	54.2	2,404	45.8
1993	5,295	2,938	55.5	2,357	44.5
1994	5,271	2,998	56.9	2,273	43.1
1995	5,363	2,742	51.1	2,622	48.9
1996	5,380	2,580	48.0	2,800	52.0
1997	5,440	2,683	49.3	2,757	50.7
1998	5,531	2,636	47.7	2,895	52.3
1999	5,644	2,732	48.4	2,912	51.6
2000	5,675	2,863	50.5	2,812	49.5
2001	5,944	2,906	48.9	3,038	51.1
2002	7,069	3,698	52.3	3,371	47.7

TABLE 83. R&D expenditures at university-administered federally funded research and development centers, by character of work: FY 1953–2007

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2003	7,200	3,760	52.2	3,441	47.8
2004	7,603	3,706	48.7	3,898	51.3
2005	7,826	3,802	48.6	4,024	51.4
2006	7,790	3,873	49.7	3,918	50.3
2007 ^a	5,855	1,756	30.0	4,099	70.0

na = not applicable; separate data for basic research and applied research and development were not collected for FY 1978.

^a On 1 June 2006 Los Alamos National Laboratory acquired a new industrial firm administrator.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 84. R&D expenditures at nonprofit-administered federally funded research and development centers, by character of work: FY 2001–07

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2001	2,165	899	41.5	1,266	58.5
2002	2,271	963	42.4	1,307	57.6
2003	2,463	1,027	41.7	1,437	58.3
2004	2,586	1,037	40.1	1,548	59.9
2005	2,817	1,170	41.5	1,647	58.5
2006	2,860	1,214	42.5	1,645	57.5
2007	3,185	1,324	41.6	1,861	58.4

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 85. R&D expenditures at industry-administered federally funded research and development centers, by character of work: FY 2001–07

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2001	1,962	70	3.6	1,892	96.4
2002	2,197	83	3.8	2,114	96.2
2003	2,463	336	13.6	2,128	86.4
2004	2,443	188	7.7	2,255	92.3
2005	2,612	137	5.3	2,474	94.7
2006	2,569	131	5.1	2,438	94.9
2007 ^a	4,781	2,217	46.4	2,564	53.6

NOTE: Because of rounding, detail may not add to total.

^a On 1 June 2006 Los Alamos National Laboratory acquired a new industrial firm administrator.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 86. R&D expenditures at all federally funded research and development centers, by source of funds and type of FFRDC: FY 2007
(Dollars in thousands)

Institution	All R&D expenditures	Federal government	State and local government	Industry	Institution funds	All other sources
All FFRDCs	13,820,767	13,396,861	32,072	172,592	51,467	167,775
University-administered FFRDCs	5,855,193	5,654,952	12,997	33,434	13,445	140,365
Ames Lab.	25,254	25,254	0	0	0	0
Argonne National Lab.	489,684	445,096	1,814	0	0	42,774
AUI National Radio Astronomy Observatory	129,000	128,158	0	0	842	0
Fermi National Accelerator Lab.	337,306	336,927	0	279	100	0
Jet Propulsion Lab.	1,717,203	1,717,203	0	0	0	0
Lawrence Berkeley National Lab.	503,775	443,273	5,300	11,733	0	43,469
Lawrence Livermore National Lab.	1,353,980	1,298,044	4,132	3,320	0	48,484
MA Institute of Technology Lincoln Lab.	618,011	613,858	119	2,457	0	1,577
National Astronomy and Ionosphere Ctr.	13,591	13,375	0	13	102	101
National Ctr. for Atmospheric Research	144,293	132,375	0	2,691	5,417	3,810
National Optical Astronomy Observatory	53,608	46,624	0	0	6,984	0
Plasma Physics Lab.	75,720	75,488	0	82	0	150
Software Engineering Institute	80,566	67,657	50	12,859	0	0
Stanford Linear Accelerator Ctr.	231,960	231,960	0	0	0	0
Thomas Jefferson National Accelerator Facility	81,242	79,660	1,582	0	0	0
Nonprofit-administered FFRDCs	3,184,988	3,048,510	14,076	56,970	38,022	27,410
Aerospace Corp.	36,490	16,930	0	1,750	15,350	2,460
Arroyo Ctr.	25,195	25,195	0	0	0	0
Brookhaven National Lab.	510,212	491,138	0	4,840	0	14,234
C3I Federally Funded R&D Ctr.	46,368	46,368	0	0	0	0
Ctr. for Advanced Aviation System Development	7,290	7,290	0	0	0	0
Ctr. for Naval Analyses	99,993	89,721	5,831	0	4,441	0
Ctr. for Nuclear Waste Regulatory Analyses	17,007	16,519	35	264	175	14
Homeland Security Institute	25,370	25,370	0	0	0	0
Institute for Defense Analyses Communication and Computing	59,500	59,500	0	0	0	0
Institute for Defense Analyses Studies and Analyses	141,500	141,500	0	0	0	0
Internal Revenue Service FFRDC	7,101	7,101	0	0	0	0
National Defense Research Institute	38,152	38,152	0	0	0	0
National Renewable Energy Research Lab.	190,874	183,812	0	7,062	0	0
Oak Ridge National Lab.	1,083,509	1,031,919	748	25,405	18,056	7,381
Pacific Northwest National Lab.	851,512	823,080	7,462	17,649	0	3,321
Project Air Force	39,315	39,315	0	0	0	0
Science and Technology Policy Institute, The	5,600	5,600	0	0	0	0
Industry-administered FFRDCs	4,780,586	4,693,399	4,999	82,188	0	0
ID National Lab.	248,322	235,506	2,457	10,359	0	0
Los Alamos National Lab. ^a	2,046,260	2,029,056	0	17,204	0	0
NCI Frederick Cancer R&D Ctr.	339,800	339,800	0	0	0	0
Sandia National Lab.	2,031,309	1,974,142	2,542	54,625	0	0
Savannah River Technology Ctr.	114,895	114,895	0	0	0	0

FFRDC = federally funded research and development center.

^a On 1 June 2006 Los Alamos National Laboratory acquired a new industrial firm administrator.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 87. Total and federally financed R&D expenditures at university-administered federally funded research and development centers, ranked by FY 2007 total: FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	7,603,240	7,825,984	7,790,137	5,855,193	7,448,412	7,660,415	7,600,335	5,654,952
1	Jet Propulsion Lab.	1,551,171	1,606,409	1,548,019	1,717,203	1,551,171	1,606,409	1,548,019	1,717,203
2	Lawrence Livermore National Lab.	1,425,840	1,456,368	1,431,019	1,353,980	1,405,250	1,435,094	1,401,931	1,298,044
3	MA Institute of Technology Lincoln Lab.	594,822	627,201	622,993	618,011	589,022	622,794	618,011	613,858
4	Lawrence Berkeley National Lab.	482,159	482,672	485,626	503,775	421,712	425,090	419,455	443,273
5	Argonne National Lab.	520,881	482,051	472,961	489,684	473,824	431,591	423,867	445,096
6	Fermi National Accelerator Lab.	318,435	323,153	330,980	337,306	318,395	323,153	330,980	336,927
7	Stanford Linear Accelerator Ctr.	206,402	205,690	214,026	231,960	206,402	205,690	214,026	231,960
8	National Ctr. for Atmospheric Research	154,714	135,893	153,343	144,293	151,326	130,662	147,319	132,375
9	AUI National Radio Astronomy Observatory	42,215	52,023	40,771	129,000	41,874	51,166	39,780	128,158
10	Thomas Jefferson National Accelerator Facility	104,659	113,349	96,228	81,242	104,017	112,597	95,146	79,660
11	Software Engineering Institute	57,920	62,262	75,636	80,566	56,387	59,453	67,400	67,657
12	Plasma Physics Lab.	75,255	81,803	78,151	75,720	74,637	81,205	77,679	75,488
13	National Optical Astronomy Observatory	43,020	52,775	54,616	53,608	43,020	47,845	48,432	46,624
14	Ames Lab.	27,227	29,293	26,460	25,254	27,227	29,293	26,460	25,254
15	National Astronomy and Ionosphere Ctr.	12,285	13,831	14,108	13,591	11,148	12,257	13,043	13,375
16	Los Alamos National Lab.	1,986,235	2,101,211	2,145,200	na	1,973,000	2,086,116	2,128,787	na

na = not applicable; on 1 June 2006 Los Alamos National Laboratory acquired a new industrial firm administrator.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 88. Total and federally financed R&D expenditures at nonprofit-administered federally funded research and development centers, ranked by FY 2007 total: FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	2,585,764	2,816,764	2,859,751	3,184,988	2,490,098	2,712,440	2,729,011	3,048,510
1	Oak Ridge National Lab.	776,203	897,252	928,090	1,083,509	750,209	870,103	889,530	1,031,919
2	Pacific Northwest National Lab.	692,370	779,522	749,365	851,512	668,609	756,448	720,486	823,080
3	Brookhaven National Lab.	450,342	483,039	490,686	510,212	432,180	464,439	461,747	491,138
4	National Renewable Energy Research Lab.	226,460	211,323	196,449	190,874	222,977	206,419	189,167	183,812
5	Institute for Defense Analyses Studies and Analyses	126,226	118,600	130,400	141,500	126,226	118,600	130,400	141,500
6	Ctr. for Naval Analyses	79,087	83,837	87,499	99,993	74,438	73,099	80,474	89,721
7	Institute for Defense Analyses Communication and Computing	50,238	50,800	51,500	59,500	50,238	50,800	51,500	59,500
8	C3I Federally Funded R&D Ctr.	35,932	37,213	37,073	46,368	35,932	36,013	37,073	46,368
9	Project Air Force	33,049	35,742	39,107	39,315	33,049	35,742	39,107	39,315
10	National Defense Research Institute	26,550	25,747	34,203	38,152	26,550	25,747	34,203	38,152
11	Aerospace Corp.	32,529	32,500	34,200	36,490	14,312	14,500	14,700	16,930
12	Homeland Security Institute	na	NA	20,521	25,370	na	NA	20,521	25,370
13	Arroyo Ctr.	26,101	28,152	24,518	25,195	26,101	28,152	24,518	25,195
14	Ctr. for Nuclear Waste Regulatory Analyses	16,847	16,391	16,397	17,007	15,447	15,732	15,842	16,519
15	Ctr. for Advanced Aviation System Development	6,462	6,429	6,601	7,290	6,462	6,429	6,601	7,290
16	Internal Revenue Service FFRDC	3,687	4,802	6,342	7,101	3,687	4,802	6,342	7,101
17	Science and Technology Policy Institute, The	3,681	5,415	6,800	5,600	3,681	5,415	6,800	5,600

na = not applicable; institution did not exist. NA = not available; R&D totals not available for Homeland Security Institute in FY 2005.

FFRDC = federally funded research and development center.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE 89. Total and federally financed R&D expenditures at industry-administered federally funded research and development centers, ranked by FY 2007 total: FY 2004–07

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2004	2005	2006	2007	2004	2005	2006	2007
	All institutions	2,443,203	2,611,774	2,568,609	4,780,586	2,383,142	2,544,351	2,495,206	4,693,399
1	Los Alamos National Lab.	na	na	na	2,046,260	na	na	na	2,029,056
2	Sandia National Lab.	1,833,571	1,946,435	1,968,488	2,031,309	1,786,233	1,894,329	1,905,118	1,974,142
3	NCI Frederick Cancer R&D Ctr.	335,000	334,400	334,500	339,800	335,000	334,400	334,500	339,800
4	ID National Lab.	180,306	232,289	163,074	248,322	167,583	216,972	153,041	235,506
5	Savannah River Technology Ctr.	94,326	98,650	102,547	114,895	94,326	98,650	102,547	114,895

na = not applicable; prior to FY 2007 Los Alamos National Laboratory was administered by an academic institution.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

Appendix A. Technical Notes

The National Science Foundation (NSF) Survey of Research and Development Expenditures at Universities and Colleges (Academic R&D Expenditures Survey) is the primary source of information on separately budgeted R&D expenditures within academic institutions in the United States and outlying areas. Conducted annually since FY 1972, the survey collects information on R&D expenditures by academic field as well as by source of funds. The results of the survey are primarily used to assess trends in R&D expenditures across the fields of science and engineering (S&E). This information is vital for federal, state, and academic planners who make decisions on future R&D funding priorities. Unless otherwise noted, expenditures analyzed in this report refer to S&E R&D activities only.

Scope of the Survey

The FY 2007 Academic R&D Expenditures Survey was sent to 680 institutions of higher education in the United States, Guam, Puerto Rico, and the U.S. Virgin Islands. These institutions had been identified as granting a bachelor's degree or higher in S&E fields and expending at least \$150,000 in separately budgeted S&E R&D in FY 2007.

The survey population was reviewed before data collection began to ensure that each institutional classification was accurate. Characteristics of the schools were reviewed before and during the course of the survey to determine whether changes had occurred (e.g., highest degree granted; school openings, closings, or mergers).

After data collection closed, institutions were reviewed to verify that only those reporting at least \$150,000 in separately budgeted R&D were included in the population. Of the 680 institutions surveyed, 8 reported total R&D expenditures of less than \$150,000. These 8 institutions were excluded from the population and their data are not included in the FY 2007 detailed statistical tables. The total and federally financed R&D expenditures for these 8 institutions are listed in table A-1.

The survey also collects information on R&D from each of the nation's 37 federally funded research and development centers (FFRDCs). Of the 37 FFRDCs, 15 are administered by academic institutions, 17 are administered by nonprofit organizations, and 5 are administered by industrial organizations.

To qualify for the survey, an FFRDC must be engaged in basic or applied research, development, or management of R&D activities, and the results of these activities must be directly monitored by the federal government (usually a single agency) in a relationship expected to be maintained long-term. The center must be operated, managed, and administered as an autonomous organization or as an identifiably separate operating unit of its parent institution. Finally, 70% or more of the center's financial support must be received from the federal government. Although the same form (NSF Form 411) was used to collect data from both academic institutions and FFRDCs, FFRDCs were asked to provide only R&D expenditures by source of funding and character of work (Item 1 of the survey). For the FY 2007 survey, NSF expanded the character of work question from Item 1 to a separate item for FFRDCs that requests the amount of total expenditures and federally financed expenditures that were basic research, applied research, and/or development. FFRDC R&D data are reported in tables 83–89.

FY 2007 Survey Frame Design

The Academic R&D Expenditures Survey is a census of the full population of eligible academic institutions. Before FY 1998 a census of eligible institutions was conducted approximately every 5 years; during intervening years eligible institutions were sampled. Since then a census has been conducted annually. NSF also conducts a population review each year to ensure that all institutions that meet the inclusion criteria are surveyed. In FY 2004 the inclusion criteria were changed, and since then the survey population has included all institutions that grant a bachelor's degree or higher in S&E fields and reported at least \$150,000 in separately budgeted S&E R&D expenditures in the previous fiscal year. Each year NSF contacts institutions that meet the degree-granting criterion but were not in the population of the previous census to determine whether they meet the \$150,000 expenditure criterion. Institutions with a minimum of \$150,000 are added to or retained in the survey population. As a result of this step, the overall number of academic institutions in the population increased from 650 in FY 2006 to 672 in FY 2007 (table A-2).

Survey Instrument

Most major R&D-performing institutions have incorporated the data that are needed to complete this survey into their record-keeping systems, thereby ensuring a consistent format from one year to the next. Such consistency yields the most useful statistics for time series. As a rule, information to complete this survey is found in the institutions' year-end accounting records.

The survey consists of seven main items for all academic institutions:

Item 1 is a request for total current expenditures for separately budgeted S&E R&D expenditures by source of funds. Institutions are also asked to provide the percentage of total expenditures and federally financed expenditures that are considered basic research. Also included are research funds for which an outside organization, educational or other, is a subrecipient.

Care should be taken when interpreting data on source of funds. Industry R&D support is limited to grants and contracts for R&D activities from profit-making organizations. Total industry funds exclude research funded through unrestricted accounts and from corporate foundations, endowments, and fellowships to students; those funds would be included in an institution's own funding totals. An increasing number of institutions have links with industry and foundations through subcontracts, thus complicating the identification of funding sources. In addition, institutional policy may determine whether unrestricted state support is reported as state or institutional funding.

Item 1A is a request for total and federally financed current fund expenditures for separately budgeted S&E R&D passed through the institution to subrecipients.

Item 1B is a request for total and federally financed current fund expenditures for separately budgeted S&E R&D received by the institution as a subrecipient.

Item 2 is a request for total and federally financed current fund expenditures for separately budgeted R&D activities by detailed S&E field. When interpreting these data at the detailed discipline level, users should keep in mind that there is considerable interdisciplinary and multidisciplinary activity.

Item 2A is a request for total and federally financed current fund expenditures for separately budgeted non-S&E R&D activities by detailed non-S&E field. This item was originally added to the survey as an optional item in FY 1997 and was collected as a core item for the first time in FY 2003.

Item 2B is a request for federally financed current fund expenditures for separately budgeted R&D activities by S&E field and federal agency. This item was originally added to the survey as an optional item in FY 1998 and was collected as a core item for the first time in FY 2003.

Item 3 is a request for the portions of total and federally financed expenditures reported in items 1 and 2 that were used for the purchase of research equipment out of current funds. This portion includes all research equipment purchased under sponsored research project awards and disbursed in the same detailed disciplines as in item 2. These data are of special interest to federal and institutional policymakers in determining current funding levels for scientific research instrumentation.

The survey consists of two main items for all FFRDCs:

Item 1 is a request for total current expenditures for separately budgeted S&E R&D expenditures by source of funds. Also included are research funds for which an outside organization, educational or other, is a subrecipient.

Item 2 is a request for the amount of total expenditures and federally financed expenditures that are considered basic research, applied research, and/or development.

Data Collection

The FY 2007 survey questionnaires were sent by e-mail in November 2007. Respondents from academic institutions could choose to submit an Adobe Portable Document Format questionnaire downloaded from the Web or use a Web-based data collection system to respond to the survey. FFRDCs were asked to complete a Microsoft Excel version of the survey. Every effort was made to maintain close contact with respondents in order to

preserve both the consistency and continuity of the resulting data. Questionnaires were carefully examined for completeness upon receipt. Computerized facsimiles of the survey data were then prepared for each institution; these compared the current and 2 prior years of data and noted any substantive disparities. Respondents were sent personalized e-mail messages asking them to provide revisions before the final processing and tabulation of data. These e-mail messages included a link to the Academic R&D Expenditures Survey Web-based data collection system, allowing respondents to view and correct their data online.

Respondents were asked to explain significant discrepancies between current-year reporting and established patterns of reporting verified for prior years. They were encouraged to correct prior-year data if anomalies were identified. When respondents updated or amended figures from past years, NSF made corresponding changes to trend data in this report and to the underlying microdata database. Similarly, if a respondent institution underwent an organizational change, such as a merger, NSF incorporated the effects of the change into prior-years' data.

Response Rate

By the survey's closing date, in May 2008, forms had been received from 651 universities and colleges out of the academic population of 672, a response rate of 96.9%. Responses were received from 98.6% of all doctorate-granting institutions. The R&D expenditures reported by these responding institutions constituted 98.5% of the estimated national R&D expenditures in S&E fields for FY 2007. Forms were received from all of the 37 FFRDCs. Table A-3 displays a detailed breakdown of response rates by highest degree granted, and table A-4 displays a breakdown of response rates by survey item for the academic population.

National Total and Imputation

Two statistical procedures were used to provide a national estimate for all universities and colleges performing R&D in FY 2007. First, data were estimated by imputation for the 21 institutions that had not responded by the closing date of the survey, using imputation techniques that have been used consistently since FY 1976. These techniques use prior-years' figures derived from the data of respondent institutions with similar characteristics, including highest degree granted and type of institutional control (public or private). Second, data were imputed for universities and colleges that submitted only partial responses. This imputation was performed using prior-years' figures for each institution to allocate that institution's FY 2007 total R&D expenditures reported within the various categories. The imputed total R&D was \$26 million, or 0.1%, of the \$49 billion in all separately budgeted R&D expenditures (table A-5).

Tables A-6 and A-7 present imputed amounts for total and federally financed R&D expenditures, respectively, by S&E field. The dollar amount imputed is displayed along with the percentage it represents of the national estimate for universities and colleges in a particular field. The amount imputed is similarly broken down by source of funds in table A-8.

A number of surveyed institutions have responded intermittently in past years. For years in which no response was received, data have been imputed as previously described. Although the imputation algorithm accurately reflects national trends, it cannot account for specific trends at individual institutions. For this reason, a separate estimation of institutional data for prior-years is also performed, following current-year imputation.

For each institution, formerly imputed key variables for items 1–3 were recomputed to ensure that the imputed data accurately represent the growth patterns shown by reported data. If, for example, data were reported for FY 1998 and FY 2007 but not for the intervening years, the difference between the reported figures for each item total was calculated and evenly distributed across the intervening years (1999–2006). The new figures were spread across disciplines (items 2 and 3) or sources of support (item 1) on the basis of the most recent reporting pattern. Institutions were given an opportunity to review imputed data and provide comments before data were finalized. These procedures result in much more consistent reporting trends for individual institutions but have little effect on aggregate figures reflecting national totals.

Changes in Basic Research Totals

The Division of Science Resources Statistics at NSF regularly reviews the methodologies used

in the Academic R&D Expenditures Survey with the goal of producing the most accurate statistics possible for researchers and policymakers. Reviews of responses to item 1, question 2, were conducted in FY 2001, 2002, 2003, and 2004. These reviews determined that the aggregate statistics on basic research could be improved by refining the imputation methodology for that item. Some universities and colleges are either unable or unwilling to respond to this question, and values must be imputed in order to present aggregate statistics.

In the past, if a respondent did not reply to the basic research question, the prior year's basic research share (whether reported by or imputed for the respondent) was carried forward. After interviews with respondents revealed that abnormal or erroneous values were sometimes carried forward for several years, a revised imputation methodology began being used in FY 2004. The revised imputation methodology carries forward the prior year's basic research share only if the respondent reported or estimated that year's data. In all other cases an econometric model is used to impute the amount of total and federal basic research. The model accounts for differences between public and private institutions and nonfederal sources of R&D funding.

Item 1A Analysis

Item 1A, R&D passed through the institution to subrecipients, was completed by 94.5% of the respondents from academic institutions (table A-9). The total R&D expenditures passed through to subrecipients, \$3.4 billion, represents 7.8% of item 1A respondents' total R&D expenditures (\$42.8 billion) and 6.8% of all separately budgeted R&D (\$49.4 billion) in FY 2007 (see table 41). Doctorate-granting institutions reported a slightly higher percentage of pass-through funds in item 1A, 7.8% (\$3.3 billion), than did nondoctorate-granting institutions, 7.0% (\$50.3 million). Item 1A respondents from private institutions reported a higher percentage of pass-through funds than did those from public institutions, 9.1% (\$1.4 billion) compared with 7.1% (\$1.9 billion).

Academic respondents to item 1A reported \$2.9 billion in federally financed R&D expenditures passed through to subrecipients (see table 41). This amount represents 10.7% of the federal support reported by item 1A respondents (\$26.7 billion) and 9.4% of the \$30.4 billion in federal support to all respondents.

Tables 43 and 44 show, respectively, total and federally financed R&D expenditures passed through to subrecipients for all item 1A respondents.

Item 1B Analysis

Item 1B, R&D received by the institution as a subrecipient, was completed by 94.6% of the respondents from academic institutions (table A-10). The total R&D expenditures received as subrecipients, \$3.7 billion, represents 8.5% of item 1B respondents' total R&D expenditures (\$43.3 billion) and 7.5% of all separately budgeted R&D (\$49.4 billion) in FY 2007 (see table 42). Doctorate-granting institutions reported a lower percentage of funds received as subrecipients in item 1B, 8.5% (\$3.6 billion), than did nondoctorate-granting institutions, 10.8% (\$78.1 million). Item 1B respondents from private institutions reported a slightly higher percentage of funds received as subrecipients than did those from public institutions, 8.9% (\$1.4 billion) compared with 8.3% (\$2.3 billion).

Academic respondents to item 1B reported \$3.3 billion in federally financed R&D expenditures received as subrecipients (see table 42). This amount represents 12.4% of the federal support reported by item 1B respondents (\$27.0 billion) and 11.0% of the \$30.4 billion in federal support to all respondents.

Tables 45 and 46 show, respectively, total and federally financed R&D expenditures received as subrecipients for all item 1B respondents.

Item 2A Analysis

Item 2A, R&D in non-S&E fields, was completed by 97.5% of the respondents from academic institutions (table A-11). The total for non-S&E R&D expenditures, \$2.0 billion, represents 4.1% of item 2A respondents' total S&E and non-S&E R&D expenditures (\$50.2 billion) in FY 2007 (see table 66). Nondoctorate-granting institutions reported a higher percentage of non-S&E R&D expenditures in item 2A than did doctorate-granting institutions, 24.9% (\$244.3 million) compared with 3.6% (\$1.8 billion) for doctorate-granting institutions. Item 2A respondents from public institutions reported a higher percentage of non-S&E R&D expenditures, 4.5% (\$1.5 billion), than did those from private institutions, 3.1% (\$500.7 million).

Academic respondents to item 2A reported \$810.2 million in federal non-S&E R&D. This amount represents 2.7% of the federal S&E and non-S&E support reported by item 2A respondents (\$30.4 billion).

Tables 67–69 show the total and federal non-S&E R&D expenditures for all item 2A respondents.

Item 2B Analysis

Item 2B, federal sources of R&D by S&E field, was completed by 96.9% of the respondents from academic institutions. Total federally financed R&D expenditures reported by item 2B respondents, \$30.0 billion, represents 98.7% of all reported federally financed R&D expenditures (\$30.4 billion) in FY 2007 (table A-12). Doctorate-granting institutions reported a slightly higher percentage of R&D from federal sources in item 2B, 98.7% (\$29.5 billion), than did nondoctorate-granting institutions, 96.1% (\$480.7 million). Item 2B respondents from public institutions reported a lower percentage of R&D from federal sources 98.2% (\$18.4 billion), than did those from private institutions, 99.5% (\$11.6 billion).

Academic respondents to item 2B reported the highest percentage of their federally financed R&D expenditures from the Department of Health and Human Services, 56.8%, or \$17.1 billion (see table 70). NSF accounted for 11.8% (\$3.6 billion) of item 2B respondents' R&D from federal sources; the Department of Defense, 9.2% (\$2.8 billion); the Department of Energy, 3.7% (\$1.1 billion); the National Aeronautics and Space Administration, 3.5% (\$1.0 billion); and the U.S. Department of Agriculture, 3.0% (\$910.3 million).

Tables 70–79 show federally financed R&D expenditures for item 2B respondents.

Data Anomalies

Within the University of California (UC) system, UC campuses manage nearly all R&D activities; however, some R&D expenditures are attributable to the UC Office of the President (UCOP) rather than to a particular campus. The reporting of UCOP R&D expenditures has changed over time. In the period FY 1997–2000 the UCOP amounts were reported as part of UC Berkeley, the campus that maintained accounting ledgers. In the period FY 2001–03 UCOP amounts were reported under UC Los Angeles, which had assumed responsibility for UCOP's ledgers. In FY 2004 R&D expenditures began being reported separately for UCOP. In FY 2001, when approximately \$90 million of UCOP R&D expenditures were shifted from UC Berkeley to UC Los Angeles, R&D expenditures decreased by \$72 million at UC Berkeley and increased by \$163 million at UC Los Angeles. In FY 2004, when UCOP was reported separately from UC Los Angeles, total R&D at UC Los Angeles decreased by \$77 million, whereas UCOP showed expenditures of \$90 million. Thus, some of the trend changes shown in table 29 for UC Los Angeles, UC Berkeley, and UCOP can be attributed to changes in the location of reporting UCOP R&D expenditures.

The Scripps Research Institute (TSRI) in La Jolla, California, was added to the FY 2005 survey population after being mistakenly omitted for several years. Prior to the FY 2005 survey cycle it was thought that TSRI was included in UC San Diego expenditures. However, further contact with representatives from TSRI revealed that only the Scripps Institution of Oceanography, which is a separate entity from TSRI, is included under UC San Diego. During the FY 2005 data collection TSRI reported R&D expenditures for FY 2005 and FY 2004.

Due to the devastation caused by Hurricane Katrina and the subsequent staff turnovers, records damage, and shortage of resources, there was a higher rate of nonresponse in FY 2005 for universities and colleges in New Orleans, Louisiana. Data were imputed for institutions that were unable to commit the resources necessary to complete the FY 2005 survey. Institutions also reported reduced R&D expenditures in FY 2006 as a result of facility loss and faculty turnovers.

Data Availability

Data from this and other NSF academic S&E surveys (Survey of Graduate Students and Postdoctorates in Science and Engineering; Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions) are contained in academic institutional profiles, available at <http://www.nsf.gov/statistics/profiles/>. The profiles are linked to the corresponding ranking table for each survey.

Data from these and other surveys are also available at <http://www.nsf.gov/statistics/> and through the Web-Based Computer-Aided Science Policy Analysis and Research

(WebCASPAR) database system at <http://webcaspar.nsf.gov/>. Data are available at the institution, state, and national levels and as longitudinal data. WebCASPAR also includes data from the National Center for Education Statistics surveys of universities and colleges. These data include information on earned degrees, opening fall enrollment, tuition, faculty salaries, tenure and fringe benefits, and financial statistics.

Table **Technical Tables**

Academic R&D Expenditures Survey

- A-1 Total and federally financed R&D expenditures at surveyed institutions reporting less than \$150,000 in separately budgeted R&D expenditures: FY 2004–07
- A-2 Institutions surveyed, by respondent type and highest degree granted: FY 2002–07

Response rates: FY 2007

- A-3 by respondent type and highest degree granted
- A-4 by survey item

Imputed amounts for R&D expenditures: FY 2007

- A-5 total, by highest degree granted
- A-6 total, by science and engineering field
- A-7 federally financed, by science and engineering field
- A-8 total, by source of funds

Response summary: FY 2007

Imputed amounts for R&D expenditures: FY 2007

- A-9 item 1A, R&D expenditures passed through to subrecipients
- A-10 item 1B, R&D expenditures received as a subrecipient
- A-11 item 2A respondents, non-S&E R&D expenditures
- A-12 item 2B, federally financed R&D expenditures, by federal agency

TABLE A-1. Total and federally financed R&D expenditures at surveyed institutions reporting less than \$150,000 in separately budgeted R&D expenditures: FY 2004–07

(Dollars in thousands)

Institution	Total				Federally financed			
	2004	2005	2006	2007	2004	2005	2006	2007
All institutions	1,879	971	1,677	630	1,450	493	977	312
Bethune-Cookman C.	723	81	41 i	0	723	81	41 i	0
Gonzaga U.	20 i	40 i	60 i	82	0 i	0 i	0 i	0
Jarvis Christian C.	247	37	806	149	232	24	553	62
Johnson C. Smith U.	83 i	166 i	251	144	83 i	166 i	251	144
King's C. (Wilkes-Barre, PA)	191 i	201 i	212	0	83 i	84 i	85	0
Prescott C.	150 i	158 i	ne	71	70 i	72 i	ne	57
Radford U.	195	107	262	139	90	21	47	49
Wiley C.	270	181	45	45	169	45	0	0

i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-2. Institutions surveyed for the Academic R&D Expenditures Survey, by respondent type and highest degree granted:
FY 2002-07

Respondent type and highest degree granted	2002	2003	2004	2005	2006	2007
All respondents	661	666	648	676	687	709
Universities and colleges	625	630	612	639	650	672
Doctorate	361	369	353	359	365	364
Master's	161	159	160	168	170	182
Bachelor's	103	102	99	112	115	126
All FFRDCs	36	36	36	37	37	37
University-administered FFRDCs	16	16	16	16	16	15
Industry-administered FFRDCs	4	4	4	4	4	5
Nonprofit-administered FFRDCs	16	16	16	17	17	17

FFRDC = federally funded research and development center.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-3. Response rates for the Academic R&D Expenditures Survey, by respondent type and highest degree granted: FY 2007

Respondent type and highest degree granted	Number in survey universe	Complete responses	Partial responses	Total responses	Response rate (%)
All respondents	709	646	42	688	97.0
Universities and colleges	672	609	42	651	96.9
Doctorate	364	333	26	359	98.6
Master's	182	165	11	176	96.7
Bachelor's	126	111	5	116	92.1
All FFRDCs	37	37	0	37	100.0
University-administered FFRDCs	15	15	0	15	100.0
Industry-administered FFRDCs	5	5	0	5	100.0
Nonprofit-administered FFRDCs	17	17	0	17	100.0

FFRDC = federally funded research and development center.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-4. Response rates for the Academic R&D Expenditures Survey, by survey item: FY 2007

Survey item	All respondents	Complete item responses	Partial item responses	Total item responses	Item nonresponses	Item response rate (%)
Item 1	651	615	36	651	0	100.0
Item 1A	651	599	16	615	36	94.5
Item 1B	651	598	18	616	35	94.6
Item 2	651	641	10	651	0	100.0
Item 2A	651	632	3	635	16	97.5
Item 2B	651	626	5	631	20	96.9
Item 3	651	631	4	635	16	97.5

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-5. Imputed amounts for total R&D expenditures at universities and colleges, by highest degree granted: FY 2007

(Dollars in millions)

Highest degree granted	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All universities and colleges	49,431	26	0.1
Doctorate-granting institutions	48,674	15	0.0
Nondoctorate-granting institutions	756	11	1.4

NOTES: Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-6. Imputed amounts for total R&D expenditures at universities and colleges, by science and engineering field: FY 2007

(Dollars in millions)

Science and engineering field	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All science and engineering	49,431	26	0.1
Computer sciences	1,417	8	0.6
Environmental sciences	2,725	84	3.1
Atmospheric sciences	492	58	11.7
Earth sciences	910	15	1.7
Oceanography	996	35	3.5
Environmental sciences, nec	327	19	5.7
Life sciences	29,764	57	0.2
Agricultural sciences	2,902	21	0.7
Biological sciences	9,218	224	2.4
Medical sciences	16,515	475	2.9
Life sciences, nec	1,130	30	2.6
Mathematical sciences	572	2	0.3
Physical sciences	3,842	12	0.3
Astronomy	463	0	0.1
Chemistry	1,447	7	0.5
Physics	1,613	4	0.3
Physical sciences, nec	319	1	0.2
Psychology	863	4	0.4
Social sciences	1,781	10	0.6
Economics	349	1	0.3
Political sciences	337	0	0.0
Sociology	393	6	1.6
Social sciences, nec	701	7	1.0
Sciences, nec	949	18	1.9
Engineering	7,517	26	0.3
Aeronautical/astronautical engineering	424	57	13.5
Bioengineering/biomedical engineering	537	23	4.3
Chemical engineering	602	13	2.1
Civil engineering	863	24	2.7
Electrical engineering	1,675	160	9.6
Mechanical engineering	1,130	110	9.7
Metallurgical/materials engineering	638	3	0.4
Engineering, nec	1,648	172	10.5

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at science and engineering field levels because many institutions could provide totals but not science and engineering field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-7. Imputed amounts for federally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2007

(Dollars in millions)

Science and engineering field	All separately budgeted federal R&D expenditures	Imputed amount	Imputed amount as % of total
All science and engineering	30,441	112	0.4
Computer sciences	1,014	5	0.5
Environmental sciences	1,835	57	3.1
Atmospheric sciences	387	44	11.3
Earth sciences	597	11	1.8
Oceanography	673	26	3.9
Environmental sciences, nec	178	17	9.4
Life sciences	18,348	34	0.2
Agricultural sciences	897	10	1.1
Biological sciences	6,199	169	2.7
Medical sciences	10,574	376	3.6
Life sciences, nec	678	27	4.0
Mathematical sciences	408	1	0.2
Physical sciences	2,677	6	0.2
Astronomy	302	0	0.1
Chemistry	969	3	0.3
Physics	1,219	3	0.3
Physical sciences, nec	187	0	0.0
Psychology	600	2	0.4
Social sciences	755	2	0.2
Economics	125	1	0.6
Political sciences	129	0	0.0
Sociology	206	2	1.2
Social sciences, nec	295	1	0.4
Sciences, nec	342	4	1.3
Engineering	4,462	18	0.4
Aeronautical/astronautical engineering	294	51	17.3
Bioengineering/biomedical engineering	320	20	6.2
Chemical engineering	324	12	3.6
Civil engineering	361	19	5.3
Electrical engineering	1,103	159	14.4
Mechanical engineering	700	105	15.0
Metallurgical/materials engineering	382	2	0.5
Engineering, nec	978	170	17.4

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at science and engineering field levels because many institutions could provide totals but not science and engineering field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-8. Imputed amounts for total R&D expenditures at universities and colleges, by source of funds: FY 2007
(Dollars in millions)

Source of funds	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All sources	49,431	26	0.1
Federal government	30,441	112	0.4
State and local government	3,145	7	0.2
Industry	2,672	12	0.5
Institution funds	9,655	43	0.4
All other sources	3,517	3	0.1

NOTES: Because of rounding, detail may not add to total. Because some institutions reported total R&D expenditures but not individual sources, sum of imputed sources is greater than imputed amount for all sources. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-9. Response summary for item 1A, R&D expenditures passed through to subrecipients, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

Type of institution	Response (number)			R&D expenditures			Federally financed R&D expenditures		
	All respondents	Item 1A respondents	Percent	All respondents	Item 1A respondents	Percent	All respondents	Item 1A respondents	Percent
All academic institutions	651	615	94.5	49,405,128	42,817,141	86.7	30,428,036	26,694,575	87.7
Doctorate	359	335	93.3	48,659,418	42,094,492	86.5	29,928,012	26,211,323	87.6
Nondoctorate	292	280	95.9	745,710	722,649	96.9	500,024	483,252	96.6
Public	393	360	91.6	33,522,964	26,946,287	80.4	18,775,356	15,050,411	80.2
Private	258	255	98.8	15,882,164	15,870,854	99.9	11,652,680	11,644,164	99.9

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-10. Response summary for item 1B, R&D expenditures received as a subrecipient, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

Type of institution	Response (number)			R&D expenditures			Federally financed R&D expenditures		
	All respondents	Item 1B respondents	Percent	All respondents	Item 1B respondents	Percent	All respondents	Item 1B respondents	Percent
All academic institutions	651	616	94.6	49,405,128	43,297,413	87.6	30,428,036	26,983,133	88.7
Doctorate	359	335	93.3	48,659,418	42,572,604	87.5	29,928,012	26,496,364	88.5
Nondoctorate	292	281	96.2	745,710	724,809	97.2	500,024	486,769	97.3
Public	393	361	91.9	33,522,964	27,424,291	81.8	18,775,356	15,337,397	81.7
Private	258	255	98.8	15,882,164	15,873,122	99.9	11,652,680	11,645,736	99.9

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-11. Response summary for S&E R&D expenditures for item 2A respondents (non-S&E R&D expenditures), by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

Type of institution	Response (number)			S&E R&D expenditures			Federally financed S&E R&D expenditures		
	All respondents	Item 2A respondents	Percent	All respondents	Item 2A respondents	Percent	All respondents	Item 2A respondents	Percent
All academic institutions	651	635	97.5	49,405,128	48,124,199	97.4	30,428,036	29,610,993	97.3
Doctorate	359	348	96.9	48,659,418	47,385,579	97.4	29,928,012	29,114,755	97.3
Nondoctorate	292	287	98.3	745,710	738,620	99.0	500,024	496,238	99.2
Public	393	380	96.7	33,522,964	32,253,897	96.2	18,775,356	17,964,110	95.7
Private	258	255	98.8	15,882,164	15,870,302	99.9	11,652,680	11,646,883	100.0

S&E = science and engineering.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

TABLE A-12. Response summary for item 2B, federally financed R&D expenditures by federal agency, by highest degree granted and institutional control: FY 2007

(Dollars in thousands)

Type of institution	Response (number)			R&D expenditures			Federally financed R&D expenditures		
	All respondents	Item 2B respondents	Percent	All respondents	Item 2B respondents	Percent	All respondents	Item 2B respondents	Percent
All academic institutions	651	631	96.9	49,405,128	48,588,196	98.3	30,428,036	30,030,590	98.7
Doctorate	359	348	96.9	48,659,418	47,870,572	98.4	29,928,012	29,549,900	98.7
Nondoctorate	292	283	96.9	745,710	717,624	96.2	500,024	480,690	96.1
Public	393	381	96.9	33,522,964	32,772,236	97.8	18,775,356	18,430,674	98.2
Private	258	250	96.9	15,882,164	15,815,960	99.6	11,652,680	11,599,916	99.5

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.

Appendix B. Federally Funded Research and Development Centers (FFRDCs): FY 2007

Department of Defense

Administered by universities and colleges

- Lincoln Laboratory
(Massachusetts Institute of Technology)
- Software Engineering Institute
(Carnegie Mellon University)

Administered by other nonprofit organizations

- Aerospace FFRDC
(The Aerospace Corporation)
- Arroyo Center
(RAND Corporation)
- C3I FFRDC
(MITRE Corporation)
- Center for Naval Analyses
(The CNA Corporation)
- Institute for Defense Analyses Communications and Computing FFRDC
(Institute for Defense Analyses)
- Institute for Defense Analyses Studies and Analyses FFRDC
(Institute for Defense Analyses)
- National Defense Research Institute
(RAND Corporation)
- Project Air Force
(RAND Corporation)

Department of Energy

Administered by universities and colleges

- Ames Laboratory
(Iowa State University of Science and Technology)
- Argonne National Laboratory
(University of Chicago)
- Ernest Orlando Lawrence Berkeley National Laboratory
(University of California)
- Fermi National Accelerator Laboratory
(Universities Research Association, Inc.)
- Lawrence Livermore National Laboratory
(University of California)
- Princeton Plasma Physics Laboratory
(Princeton University)
- Stanford Linear Accelerator Center
(Leland Stanford, Jr., University)
- Thomas Jefferson National Accelerator Facility
(Jefferson Science Associates, LLC)

Administered by industrial firms

- Idaho National Laboratory
(Battelle Energy Alliance, LLC)
- Los Alamos National Laboratory[1]
(Los Alamos National Security, LLC)

- Sandia National Laboratories
(Sandia Corporation, a subsidiary of Lockheed Martin Corporation)
- Savannah River National Laboratory
(Westinghouse Savannah River Company)

Administered by other nonprofit organizations

- Brookhaven National Laboratory
(Brookhaven Science Associates, Inc.)
- National Renewable Energy Laboratory
(Midwest Research Institute; Battelle Memorial Institute; Bechtel National, Inc.)
- Oak Ridge National Laboratory
(UT-Battelle, LLC)
- Pacific Northwest National Laboratory
(Battelle Memorial Institute)

Department of Health and Human Services

Administered by industrial firms

- National Cancer Institute at Frederick
(Science Applications International Corporation; Charles River Laboratories, Inc.;
Data Management Services, Inc.; Wilson Information Services, Inc.)

Department of Homeland Security

Administered by other nonprofit institutions

- Homeland Security Institute
(Analytic Services, Inc.)

Department of Transportation

Administered by other nonprofit institutions

- Center for Advanced Aviation System Development
(MITRE Corporation)

Department of the Treasury

Administered by other nonprofit institutions

- Internal Revenue Service FFRDC
(MITRE Corporation)

National Aeronautics and Space Administration

Administered by universities and colleges

- Jet Propulsion Laboratory
(California Institute of Technology)

National Science Foundation

Administered by universities and colleges

- National Astronomy and Ionosphere Center
(Cornell University)
- National Center for Atmospheric Research
(University Corporation for Atmospheric Research)
- National Optical Astronomy Observatories
(Association of Universities for Research in Astronomy, Inc.)
- National Radio Astronomy Observatory
(Associated Universities, Inc.)

Administered by other nonprofit institutions

- Science and Technology Policy Institute
(Institute for Defense Analyses)

Nuclear Regulatory Commission

Administered by other nonprofit institutions

- Center for Nuclear Waste Regulatory Analyses
(Southwest Research Institute)

Footnotes

[1] On 1 June 2006 Los Alamos National Laboratory acquired a new industrial firm administrator, Los Alamos National Security, LLC.

Appendix C. Survey Instruments

- Survey of Research and Development Expenditures at Universities and Colleges, FY 2007
- Survey of Research and Development Expenditures at FFRDCs, FY 2007



NATIONAL SCIENCE FOUNDATION
ARLINGTON, VA 22230

**SURVEY OF RESEARCH AND DEVELOPMENT EXPENDITURES
AT UNIVERSITIES AND COLLEGES, FY 2007**

Please submit your survey data by January 31, 2008.

The Web address for submitting your data:

<http://www.qrc.com/expweb>

Or, mail this form to:

Macro International Inc.
7315 Wisconsin Avenue, Suite 400W
Bethesda, MD 20814-3202

Or, e-mail your response to:

expweb@qrc.com

The Web password and user ID were e-mailed to each institution. If you have questions about this or any other issue, please call: Survey Support at Macro, 1-866-349-8626. For general survey questions, you may also contact Ronda Britt of NSF at rbritt@nsf.gov or (703) 292-7765.

Your cooperation in returning the survey questionnaire promptly is very important. This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. Your response is entirely voluntary; your failure to provide some or all of the information will in no way adversely affect your institution.

Report data for your institution's 2007 fiscal year. All financial data should be reported in thousands of dollars; for example, an expenditure of \$25,342 should be rounded to the nearest thousand dollars and reported as \$25.

Where exact data are not available, estimates are acceptable. Your estimates will be better than ours.

Include data for branches and all organizational units of your institution, such as medical schools and agricultural experiment stations. Data on research centers and facilities administered by your institution should be included. In addition, include hospitals or clinics owned, operated, or controlled by universities, and integrated operationally with the clinical programs of your medical schools.

NOTE: Academic institutions should exclude data for federally funded research and development centers (FFRDCs). Data for these facilities are collected separately.

It is estimated that response to this survey will require 22 hours. If you wish to comment on this burden, please contact Suzanne H. Plimpton of NSF at (703) 292-7556, or e-mail splimpto@nsf.gov.

Scope:

This survey collects data on expenditures by universities and colleges for separately budgeted research and development (R&D). Definitions used are compatible with OMB Circular A-21, revised May 10, 2004. Items 1 and 2 ask for *current fund expenditures* by source of funds and by field of science and engineering. Item 3 collects data on that *portion of current fund expenditures* reported in Items 1 and 2 that went for the purchase of scientific and engineering research equipment. Item 2A asks for current fund expenditures in non-science and engineering fields, and Item 2B requests information on the Federal Government agency sources of current fund expenditures by field of science and engineering.

Definitions:

Research and Development (R&D). R&D for purposes of this survey is the same as "organized research" as defined in Section B.1.b. of OMB Circular A-21 (revised). It includes all R&D activities of an institution that are separately budgeted and accounted for. R&D includes both "sponsored research" activities (sponsored by Federal and non-Federal agencies and organizations) and "university research" (separately budgeted under an internal application of institutional funds).

Research is systematic study directed toward fuller knowledge or understanding of the subject studied. Research is classified as either basic or applied, according to the objectives of the investigator.

Development is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes.

Current fund expenditures. These are expenditures of funds available for current operations. Such expenditures include all unrestricted gifts and restricted current funds to the extent that such funds were expended for current operating purposes.

Please circle the month in which your institution's fiscal year begins:

Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec

Primary Contact—Person who is responsible for your institution's survey answers:

Name (Mr., Mrs., Ms., Dr. (circle one)):	
Title:	E-mail:
Telephone number:	Fax:
Address:	Date submitted:

Alternate Contact—Person to contact if the Primary Contact is unavailable. This person should know that you are the Primary Contact for the survey. Examples include your supervisor, the data preparer, or another coworker:

Name (Mr., Mrs., Ms., Dr. (circle one)):	
Title:	E-mail:
Telephone number:	Fax:

Instructions for Items 1 and 2

Separately budgeted research and development (R&D) includes all funds expended for activities specifically organized to produce research outcomes and commissioned by an agency either external to the institution or separately budgeted by an organizational unit within the institution. *Include* research equipment purchased under research project awards from “current fund” accounts. Also *include* research funds for which an outside organization, educational or other, is a subrecipient. *Exclude* training grants, public service grants, demonstration projects, clinical trials, and departmental research expenditures that are not separately budgeted. Also, *exclude* any R&D expenditures in the fields of education, law, humanities, music, the arts, physical education, library science, and all other non-science fields. These non-science and engineering R&D expenditures are reported in Item 2A. Allocate funding to the original sources whenever possible, as specified below. If this information is unknown, report the proximate funding source.

Total

- a. **Federal Government.** Report awards for R&D (including direct and reimbursed indirect costs) by all agencies of the Federal Government.
- b. **State and local governments.** Include funds for R&D (including direct and reimbursed indirect costs) from State, county, municipal, or other local governments and their agencies. Include here State funds that support R&D at agricultural and other experiment stations.
- c. **Industry.** Include all awards for R&D (including direct and reimbursed indirect costs) from profit-making organizations, whether engaged in production, distribution, research, service, or other activities. Do not include awards from nonprofit foundations financed by industry; these should be included under “All other sources.”
- d. **Institution funds.** Report funds, *including* related indirect costs, that your institution spent for R&D activities from the following unrestricted sources: general-purpose State or local government appropriations; general-purpose awards from industry, foundations, or other outside sources; tuition and fees; endowment income; gifts; and other institutional funds. In addition, estimate your institution’s on-campus and off-campus unreimbursed indirect costs associated with externally funded R&D projects, including mandatory and voluntary cost sharing. To estimate unreimbursed indirect costs, preferably on a project-by-project basis, use your appropriate on-campus or off-campus **negotiated research indirect cost rate(s)** multiplied by the corresponding base(s) minus actual indirect cost recovery.
- e. **All other sources.** Include awards for R&D (including direct and reimbursed indirect costs) from nonprofit foundations and voluntary health agencies as well as from all other sources not elsewhere classified. Also include gifts from individuals that are restricted by the donor to research. Funds from foundations that are affiliated with, or granted solely to your institution, should be included under “Institution funds.” Funds for R&D received from a health agency that is a unit of a State or local government should be included under “State and local governments.”

Instructions for Items 1A and 1B

For Federal awards, **subrecipient** means the non-Federal entity that expends Federal awards received from a pass-through entity to carry out a Federal program, but does not include an individual that is a beneficiary of such a program. A subrecipient may also be a recipient of other Federal awards directly from a Federal awarding agency.

—OMB Circular A-133, Section .105 (revised June 27, 2003) For awards from non-Federal sources, the subrecipient definition is analogous to the Federal one.

Higher Education [subrecipients] refers to all academic colleges and universities and all units owned, operated, and controlled by such institutions.

Item 1. How much of your current fund expenditures for separately budgeted research and development in the sciences and engineering (including indirect costs) came from the following sources in FY 2007?

Source of Funds	Line No.	(1) Total (Dollars in thousands)	(2) What Percentage of Federal & Total Funds Are Basic Research?
a. Federal Government	1110	\$	_____ %
b. State and local governments	1125		Basic research is directed toward an increase of knowledge; it is research where the primary aim of the investigator is a fuller knowledge or understanding of the subject under study rather than a specific application thereof.
c. Industry	1150		
d. Institution funds (sum of lines 1161 and 1162)	1160		
(1) Institutionally financed organized research	1161		
(2) Unreimbursed indirect costs and related sponsored research	1162		
e. All other sources	1175		
f. TOTAL (sum of a through e)	1100	\$	_____ %

BASIC RESEARCH
Please provide the percentages of Federal and total expenditures that are basic research (not applied research) as defined in column (2).

CONFIDENTIALITY
Information received from individual institutions in lines d(1) and d(2), or estimates for basic research expenditures, will NOT be published or released; only aggregate totals will appear in tabulations.

Item 1A. How much of your total (item 1, line f) and Federal (item 1, line a) R&D expenditures were passed through by your institution to subrecipients? (If all information is not available, report those amounts that are available. Exclude vendor relationships.)

Subrecipients	Line No.	(Dollars in thousands)	
		(1) Total	(2) Federal
To higher education subrecipients	1910		
To other subrecipients	1920		
To all subrecipients	1900	\$	\$

Item 1B. How much of your total (item 1, line f) and Federal (item 1, line a) R&D expenditures did your institution receive as a subrecipient? (If all information is not available, report those amounts that are available. Exclude vendor relationships.)

Your Institution as a Subrecipient	Line No.	(Dollars in thousands)	
		(1) Total	(2) Federal
From higher education pass-through entities	1610		
From other pass-through entities	1620		
From all pass-through entities	1600	\$	\$

Item 2. Allocate your FY 2007 current fund expenditures (total and federally financed) for separately budgeted research and development (including indirect costs) by field of science and engineering.

Please note that total R&D expenditures in line j, column (1) should be the same as reported in Item 1, line f.

Total Federal R&D expenditures in line j, column (2) should be the same as reported in Item 1, line a.

Please see pages 8 and 9 for the NSF/NCES Crosswalk of Discipline Codes.

Field of Science and Engineering	Line No.	(Dollars in thousands)	
		(1) Total	(2) Federal
a. Engineering (Total)	1410	\$	\$
(1) Aeronautical & astronautical	1411		
(2) Bioengineering/biomedical engineering	1418		
(3) Chemical	1412		
(4) Civil	1413		
(5) Electrical	1414		
(6) Mechanical	1415		
(7) Metallurgical & materials	1417		
(8) Other	1416		
b. Physical Sciences (Total)	1420		
(1) Astronomy	1421		
(2) Chemistry	1422		
(3) Physics	1423		
(4) Other	1424		
c. Environmental Sciences (Total)	1430		
(1) Atmospheric	1431		
(2) Earth sciences	1432		
(3) Oceanography	1433		
(4) Other	1434		
d. Mathematical Sciences (Total)	1441		
e. Computer Sciences (Total)	1442		
f. Life Sciences (Total)	1450		
(1) Agricultural	1451		
(2) Biological	1452		
(3) Medical	1453		
(4) Other	1454		
g. Psychology (Total)	1460		
h. Social Sciences (Total)	1470		
(1) Economics	1471		
(2) Political science	1472		
(3) Sociology	1473		
(4) Other	1474		
i. Other Sciences, not elsewhere classified (Total)	1480		
j. Total (sum of a through i)	1400	\$	\$

Please EXCLUDE from your response any R&D expenditures in the fields of education, law, humanities, music, the arts, physical education, library science, and all other non-science and engineering fields. These non-science and engineering R&D expenditures are reported in Item 2A.

Item 3. Allocate the portion of your FY 2007 current fund expenditures (total and federally financed) for separately budgeted research and development that went for the purchase of research equipment by field of science and engineering.

Please report that portion of current fund expenditures reported in items 1 and 2 that went for the purchase of research equipment. This includes all research equipment purchased under sponsored research project awards from current fund accounts.

For column (1), report current fund expenditures for R&D from all sources: Federal Government, State, county, municipal or other governments and their agencies (including State funds supporting R&D at agricultural experiment stations); industry; institution funds; and private foundations and voluntary health agencies, individuals, and associations.

For column (2), include funds from awards for R&D sponsored by agencies of the Federal Government.

Please see pages 8 and 9 for the NSF/NCES Crosswalk of Discipline Codes.

Field of Science and Engineering	Line No.	(Dollars in thousands)	
		(1) Total	(2) Federal
a. Engineering (Total)	1810	\$	\$
(1) Aeronautical & astronautical	1811		
(2) Bioengineering/biomedical engineering	1818		
(3) Chemical	1812		
(4) Civil	1813		
(5) Electrical	1814		
(6) Mechanical	1815		
(7) Metallurgical & materials	1817		
(8) Other	1816		
b. Physical Sciences (Total)	1820		
(1) Astronomy	1821		
(2) Chemistry	1822		
(3) Physics	1823		
(4) Other	1824		
c. Environmental Sciences (Total)	1830		
(1) Atmospheric	1831		
(2) Earth sciences	1832		
(3) Oceanography	1833		
(4) Other	1834		
d. Mathematical Sciences (Total)	1841		
e. Computer Sciences (Total)	1842		
f. Life Sciences (Total)	1850		
(1) Agricultural	1851		
(2) Biological	1852		
(3) Medical	1853		
(4) Other	1854		
g. Psychology (Total)	1860		
h. Social Sciences (Total)	1870		
(1) Economics	1871		
(2) Political science	1872		
(3) Sociology	1873		
(4) Other	1874		
i. Other Sciences, not elsewhere classified (Total)	1880		
j. Total (sum of a through i)	1800	\$	\$

Current fund expenditures in each field for scientific research equipment is that PORTION or SUBTOTAL of the amounts reported in the corresponding cells of the "Total" and "Federal" columns in Item 2.

Item 2A. What were your current fund expenditures (total and federally financed) for separately budgeted research and development (including indirect costs) for non-science and engineering fields in FY 2007?

NOTE: For rows 2A(a) through 2A(i), report only data that have not been reported in Items 1 and 2 on this survey. Non-S&E R&D should **include** any separately budgeted scholarly and creative activity, but should **exclude** training.

Non-science & Engineering Fields	Line No.	(Dollars in thousands)	
		(1) Total	(2) Federal
a. Education	1510	\$	\$
b. Law	1520		
c. Humanities	1530		
d. Visual & Performing Arts	1540		
e. Business and Management	1550		
f. Communications, Journalism, and Library Science	1560		
g. Social Work	1570		
h. Other Non-S&E Fields (please specify)	1580		
i. Total, Non-S&E Fields (sum of a through h)	1500		
j. Total, S&E (from Item 2, line j)	1400		
k. Grand Total (sum of i and j)	2000	\$	\$

CROSSWALK BETWEEN NSF NON-SCIENCE & ENGINEERING FIELDS AND THE NATIONAL CENTER FOR EDUCATION STATISTICS (NCES) CLASSIFICATION OF INSTRUCTIONAL PROGRAMS (CIP)

Questionnaire Field	CIP Code	CIP Program Category Title
Education	13.xx	Education
Law	22.xx	Legal Professions and Studies
Humanities	16.xx	Foreign Languages, Literatures, and Linguistics
	23.xx	English Language and Literature/Letters
	24.xx	Liberal Arts and Sciences, General Studies and Humanities
	38.xx	Philosophy and Religious Studies
	39.xx	Theology and Religious Vocations
	54.xx	History (except History of Science)
Visual & Performing Arts	50.xx	Visual and Performing Arts
Business and Management	52.xx	Business, Management, Marketing, and Related Support Services
Communications, Journalism, and Library Science	09.xx	Communication, Journalism and Related Programs
	25.xx	Library Science
	10.xx	Communications Technologies/Technicians and Support Services
Social Work	44.07	Social Work
Other Non-S&E Fields	31.xx	Parks, Recreation, Leisure and Fitness Studies
	29.xx	Military Technologies

Item 2B. What were the Federal Government agency sources for your FY 2007 federally financed current fund expenditures for separately budgeted research and development (including indirect costs) (item 2, column 2) by field of science and engineering?

Total Federal expenditures reported in Item 2B, column 1 should be the same as the Federal expenditures reported in Item 2, column 2.

Allocate funding to the original sources whenever possible. If that information is unknown, report the proximate funding source.

KEY: USDA, Department of Agriculture; DoD, Department of Defense; DOE, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NSF, National Science Foundation. "Other" Federal sources include all other Federal agencies.

		(Dollars in thousands)							
Field of Science and Engineering	Line No.	(1) Total Federal	Specific Federal Agencies						(8) Other
			(2) USDA	(3) DoD	(4) DOE	(5) HHS*	(6) NASA	(7) NSF	
a. Engineering (Total)	1410	\$							
(1) Aeronautical & astronautical	1411								
(2) Bioengineering/biomedical engineering	1418								
(3) Chemical	1412								
(4) Civil	1413								
(5) Electrical	1414								
(6) Mechanical	1415								
(7) Metallurgical & materials	1417								
(8) Other	1416								
b. Physical Sciences (Total)	1420								
(1) Astronomy	1421								
(2) Chemistry	1422								
(3) Physics	1423								
(4) Other	1424								
c. Environmental Sciences (Total)	1430								
(1) Atmospheric	1431								
(2) Earth sciences	1432								
(3) Oceanography	1433								
(4) Other	1434								
d. Mathematical Sciences (Total)	1441								
e. Computer Sciences (Total)	1442								
f. Life Sciences (Total)	1450								
(1) Agricultural	1451								
(2) Biological	1452								
(3) Medical	1453								
(4) Other	1454								
g. Psychology (Total)	1460								
h. Social Sciences (Total)	1470								
(1) Economics	1471								
(2) Political science	1472								
(3) Sociology	1473								
(4) Other	1474								
i. Other Sciences (Total)	1480								
j. Total (sum of a through i)	1400	\$							

* Includes NIH.

Please EXCLUDE from your response any R&D expenditures in the fields of education, law, humanities, music, the arts, physical education, library science, and all other non-science and engineering fields.

**CROSSWALK BETWEEN NSF FIELDS OF SCIENCE & ENGINEERING AND THE
NATIONAL CENTER FOR EDUCATION STATISTICS (NCES) CLASSIFICATION OF INSTRUCTIONAL PROGRAMS**

The left-hand column shows each of the detailed fields as displayed on the questionnaire form. The right-hand column shows the NCES fields that are included within the NSF category as well as some additional illustrative disciplines. These additional disciplines are intended to be guidelines—not sharp definitions—as to what should be reported under a particular field.

QUESTIONNAIRE FIELD	NCES CLASSIFICATION AND ADDITIONAL ILLUSTRATIVE DISCIPLINES			
a. ENGINEERING (1) Aeronautical and Astronautical	14.02 Aerospace, Aeronautical and Astronautical Engineering (also aerodynamics, space technology)			
(2) Bioengineering/ Biomedical Engineering	14.05 Biomedical/Medical Engineering (also all bioengineering)			
(3) Chemical	03.0509 Wood Science and Wood Products/Pulp and Paper Technology 14.07 Chemical Engineering (also petroleum refining process)	14.25 Petroleum Engineering 14.32 Polymer/Plastics Engineering		
(4) Civil	04.02 Architecture 14.04 Architectural Engineering	14.08 Civil Engineering 14.14 Environmental/ Environmental Health Engineering	(also geotechnical, hydraulic, hydrologic, sanitary and environmental, structural, transportation)	
(5) Electrical	14.09 Computer Engineering, General 14.10 Electrical, Electronics, and Communications Engineering (also power engineering)			
(6) Mechanical	14.11 Engineering Mechanics	14.19 Mechanical Engineering		
(7) Metallurgical & Materials	14.06 Ceramic Sciences and Engineering 14.18 Materials Engineering 14.20 Metallurgical Engineering (also welding)	14.21 Mining and Mineral Engineering 14.28 Textile Sciences and Engineering	14.31 Materials Science 40.9999 Physical Sciences, Other	
(8) Other	14.01 Engineering, General 14.12 Engineering Physics 14.13 Engineering Science	14.22 Naval Architecture and Marine Engineering 14.23 Nuclear Engineering	14.24 Ocean Engineering 14.27 Systems Engineering 14.99 Engineering, Other 30.06 Systems Science and Theory (also agricultural engineering, marine and ocean engineering systems)	
b. PHYSICAL SCIENCES (1) Astronomy	40.02 Astronomy and Astrophysics (also Gamma-ray, neutrino, optical and radio, X-ray)			
(2) Chemistry	40.05 Chemistry (also analytical, inorganic, organic, organo-metallic, pharmaceutical, physical, polymer sciences (except biochemistry))			
(3) Physics	40.08 Physics (also acoustics, atomic/molecular, chemical, condensed matter, elementary particles, nuclear structure, optics, plasma, theoretical/mathematical)			
(4) Other	40.01 Physical Sciences 40.99 Physical Sciences, Other (used for multidisciplinary projects within physical sciences and for disciplines not requested separately)			
c. ENVIRONMENTAL SCIENCES (1) Atmospheric	40.04 Atmospheric Sciences and Meteorology (also aeronomy, extraterrestrial atmospheres, solar, weather modification)			
(2) Earth Sciences	15.1102 Survey Technology/ Surveying 40.06 Geological and Earth Sciences/Geosciences	40.0601 Geology/Earth Science, General 45.0702 Cartography	(also engineering geophysics, general geology, geodesy and gravity, geomagnetism, hydrology, inorganic, isotopic, lab geophysics, organic geochemistry, paleomagnetism, paleontology, physical geography, seismology)	
(3) Oceanography	26.1302 Marine Biology and Biological Oceanography 40.0607 Oceanography, Chemical and Physical (also biological, chemical, geological, physical)			
(4) Other	(used for multidisciplinary projects within Earth, Atmospheric, and Ocean Sciences)			
d. MATHEMATICAL SCIENCES	14.3701 Operations Research 27.01 Mathematics	27.03 Applied Mathematics 27.05 Statistics	27.99 Mathematics and Statistics, Other 30.08 Mathematics and Computer Science	(also algebra, analysis, foundations and logic, geometry, numerical analysis, topology)

QUESTIONNAIRE FIELD	NCES Classification and Additional Illustrative Disciplines (cont.)					
e. COMPUTER SCIENCES	11. Computer and Information Sciences and Support Services 52.1201 Management Information Systems, General (also design, development, and application of computer capabilities to data storage and manipulation, information science)					
f. LIFE SCIENCES (1) Agricultural	01.03 Agricultural Production Operations 01.0303 Aquaculture 01.07 International Agriculture 01.12 Soil Sciences 03. Natural Resources and Conservation 04.06 Landscape Architecture (also agricultural chemistry, agronomy, animal science, conservation, fish and wildlife, forestry, horticulture)					
(2) Biological	19.05 Foods, Nutrition, and Related Services 26.01 Biology, General 26.0202 Biochemistry 26.0203 Biophysics 26.03 Botany/Plant Biology 26.04 Cell/Cellular Biology and Anatomical Sciences 26.0403 Anatomy 26.05 Microbiological Sciences and Immunology 26.0503 Medical Microbiology and Bacteriology 26.0505 Parasitology 26.0507 Immunology 26.0701 Zoology/Animal Biology 26.0702 Entomology 26.0707 Animal Physiology 26.0799 Zoology/Animal Biology, Other 26.0804 Animal Genetics 26.09 Physiology, Pathology and Related Sciences 26.0910 Pathology/Experimental Pathology 26.1001 Pharmacology 26.1004 Toxicology 26.1101 Biometry/Biometrics 26.1102 Biostatistics 26.1301 Ecology 26.1309 Epidemiology 26.99 Biological and Biomedical Sciences, Other 30.1901 Nutrition Sciences (also allergies and immunology, biogeography, biotechnology, pathology, physical anthropology, virology)					
(3) Medical	26.0209 Radiation Biology/Radiobiology 26.9999 Biological and Biomedical Sciences, Other 30.2401 Neuroscience 51.04 Dentistry (DDS, DMD) Anesthesiology Cardiology Colon and Rectal Surgery Dental/Oral Surgery Dermatology Family Medicine Gastroenterology General Surgery Geriatric Medicine Hematology 51.1201 Medicine (MD) 51.1610 Psychiatric/Mental Health Nurse/Nursing 51.17 Optometry (OD) 51.19 Osteopathic Medicine/Osteopathy (DO) Internal Medicine Medical Programs Other Neonatal-Perinatal Medicine Neurological Surgery Neurology Nuclear Medicine Nuclear Radiology Obstetrics and Gynecology Oncology 51.20 Pharmacy, Pharmaceutical Sciences, and Administration 51.21 Podiatric Medicine/Podiatry (DPM) 51.22 Public Health 51.24 Veterinary Medicine (DVM) ¹ Ophthalmology Orthopedics/Orthopedic Surgery Otorhinolaryngology Pediatrics Pharmacology Physical and Rehabilitative Medicine Plastic Surgery Preventive Medicine Psychiatry Thoracic Surgery Urology (exclude all residency programs)					
(4) Other	30.11 Gerontology 51.02 Communication Disorders Sciences and Services 51.07 Health and Medical Administrative Services 51.10 Clinical/Medical Laboratory Science and Allied Professions 51.16 Nursing 51.2306 Occupational Therapy/Therapist 51.2308 Physical Therapy/Therapist 51.2399 Rehabilitation and Therapeutic Professions, Other 51.99 Health Professions and Related Clinical Sciences, Other (used for multidisciplinary projects within life sciences)					
g. PSYCHOLOGY	42.01 Psychology, General 42.02 Clinical Psychology 42.17 School Psychology 51.2301 Art Therapy/Therapist (also animal behavior, educational, experimental, human development and personality, social)					
h. SOCIAL SCIENCES (1) Economics	01.0103 Agricultural Economics 45.06 Economics 52.06 Business/Managerial Economics (also applied, development, econometrics, industrial, international, labor, public finance and fiscal policy, quantitative, resource)					
(2) Political Science	44.04 Public Administration 44.05 Public Policy Analysis 44.99 Public Administration and Social Service Professions, Other 45.09 International Relations and Affairs 45.10 Political Science and Government (also comparative government, legal systems, political theory, regional studies)					
(3) Sociology	45.02 Anthropology (Social and Cultural only) 45.05 Demography and Population Studies 45.11 Sociology (also comparative and historical, complex organizations, cultural and social structure, group interactions, social problems and welfare theory)					
(4) Other	04.03 City/Urban, Community and Regional Planning 05. Area, Ethnic, Cultural, and Gender Studies 16.0102 Linguistics 43.01 Criminal Justice and Corrections 44.02 Community Organization and Advocacy 45.01 Social Sciences, General 45.03 Archeology 45.07 Geography and Cartography 45.12 Urban Studies/Affairs 45.99 Social Sciences, Other (also history of science, socioeconomic geography)					
i. OTHER, n.e.c.	(used when the multidisciplinary and interdisciplinary aspects make the classification under one primary field impossible)					

¹ Institutions with schools of veterinary medicine should distribute R&D expenditures among the appropriate disciplines (agricultural, biological, and medical) rather than only in medical sciences.

Questions and Answers

This document answers common questions about the academic R&D expenditures survey .

DATA USES AND AVAILABILITY

How are these data typically used?

Congress has directed NSF to provide “a central clearinghouse for the collection, interpretation, and analysis of data on scientific and engineering resources and to provide a source of information for policy formulation by other agencies of the Federal Government...” As part of its response, the Division of Science Resources Statistics (SRS) conducts annual surveys of the research and development (R&D) expenditures at the Nation’s universities and colleges.

Congress and Federal and State government planners use the data for science policy analysis, national and international studies, legislative hearing reports, budget formulation sessions, and other measurements of the adequacy of the Nation’s research base. Academic institutions use the information for policy analysis, publicity, and other purposes. Industrial firms often request data to prepare for on-campus recruiting. The data often appear in higher education studies and publications.

How are the data made available?

NSF’s annual *Academic Research and Development Expenditures Survey* compiles detailed data in a comprehensive document, available on request. Institutional profiles show trend data for responses at the institutional level from all academic science and engineering (S&E) surveys.

Survey data are now available on the Web. To obtain the most recent survey publications and data tables, data files, institutional profiles, and access to WebCASPAR, the Web-based Computer-Aided Science Policy Analysis and Research database system, direct your browser to <http://www.nsf.gov/statistics/>.

FIELD OF SCIENCE CLASSIFICATIONS

How should I assign field classifications for R&D performed in multidisciplinary centers?

Multidisciplinary research should be categorized by individual research project according to the nature of the research performed. When individual projects encompass multiple fields of S&E, prorate expenditures to report the proportions of each discipline involved. Do not lump funds together into “other” field categories unless the type of research is actually defined as “other.” NSF recommends crediting such research to the appropriate S&E discipline when the project first begins.

How should I allocate research dollars spent for computing or supercomputing services?

Report research dollars spent for computer usage to the individual fields of science and engineering for which the R&D is performed. Do not report these funds in computer science, unless computer science research was performed.

What fields should be excluded from the science and engineering totals?

Exclude fields that are considered to be non-science—education, law, humanities, business, music, the arts, library science, and physical education. Note that you would report separately budgeted R&D for the philosophy of science (a science category), but not philosophy (one of the humanities). The NSF/NCES Crosswalk included with the questionnaire lists all S&E fields.

BASIC RESEARCH

How should basic research be calculated?

The percentage of basic research should be defined at the individual grant level by each principal researcher. Where this is not possible, grants should be reviewed by each department head or other relevant research coordinator .

SOURCES OF FUNDING

Should faculty practice plan income be included in the survey?

Expenditures for faculty practice plans are not considered research and should not be included. If income from such plans is used to fund other research and the funds are separately budgeted, then the expenditures should be included in institutional funds.

How much of our administrative costs can be reported in the survey?

Administrative salaries and other administrative costs, particularly at your organized research units, can be reported only if funded through projects specifically restricted and budgeted for research. General administrative costs should not be reported.

How should I report institutional funds?

All research dollars reported for your institution should be funds that are separately budgeted and restricted for research, such as sponsored research accounts or general accounts that are specifically budgeted for research. Do not include funds not specifically budgeted for research.

If your institution does not track underrecovery of indirect costs, use the underrecovery formula included in the questionnaire instructions. Do not forget to include and distribute unreimbursed indirect costs by detailed field in survey Item 2.

Be sure to report all indirect costs related to your institutional funds.

Can I report donated research equipment in the survey?

Since donated research equipment is not typically captured in university accounting systems, the value of donated research equipment should not be reported.

COLLABORATIVE RESEARCH ARRANGEMENTS

Should I report expenditures received through collaborative research ventures with other institutions?

Report only what your institution actually expends and accounts for when participating in joint research ventures.

How do I distinguish between being a subrecipient of pass-through funds and being a subcontractor of R&D services?

For Federal awards, a subrecipient is an entity that receives Federal financial assistance from the State or any other entity to administer a program (OMB Circular A-133, Section .210 (revised)). The subrecipient actually administers or controls the program, as opposed to the subcontractor who contracts for a specific service on a per -unit basis. A key factor in determining if a subrecipient arrangement exists is determining if the entity assumes the responsibility to administer the program. Subrecipients tend to be the co-authors of publications, writers of technical reports discussing findings, inventors, etc. Unlike a subrecipient relationship, a subcontract is a procurement of goods and/or services. Payments to subcontractors are expenditures for services, not expenditures for research, and are different from pass-through funds to subrecipients.

ORGANIZATIONAL UNITS

Which organizational units should I include in the survey?

Include research conducted through units that are considered part of your institution's organizational structure. For example, report expenditures from branch campuses, medical schools, agricultural stations, research centers and institutes, and any other units whose expenditures are separately budgeted **and are accounted for by your institution's financial system**. Exclude R&D expenditures performed by federally funded research and development centers (FFRDCs), nonprofit institutions, and private laboratories. Do not report salaries of faculty doing research at outside institutions unless your institution accounts for the funding of that research.

For more information, contact Survey Support at 1-866-349-8626 or expweb@qrc.com. For general questions regarding survey procedures and data reporting, contact Ronda Britt of NSF at rbritt@nsf.gov or (703) 292-7765.

NSF Survey of R&D Expenditures at FFRDCs: FY 2007

Please submit your survey data by January 31, 2008

The e-mail address for submitting your data:

expweb@qrc.com

Or, mail this form to:

Macro International
7315 Wisconsin Avenue, Suite 400W
Bethesda, MD 20814-3202

Questions about the Excel file: Call Technical Support at 1-866-349-8626, or email expweb@qrc.com.

Questions about the survey: Contact Ronda Britt of NSF at rbritt@nsf.gov or (703) 292-7765.

Your cooperation in returning the survey questionnaire promptly is very important. This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. Your response is entirely voluntary; your failure to provide some or all of the information will in no way adversely affect your institution.

Report data for your institution's 2007 fiscal year. All financial data requested on this form should be reported in thousands of dollars; for example, an expenditure of \$25,342 should be rounded to the nearest thousand dollars and reported as \$25.

Where exact data are not available, estimates are acceptable. Your estimates will be better than ours.

It is estimated that response to this survey will require 5 hours. If you wish to comment on this burden, please contact Suzanne H. Plimpton of NSF at (703) 292-7556, or e-mail splimpto@nsf.gov.

Scope: This survey contains two questions that request data on *current fund expenditures* by source of funds and character of work for separately budgeted research and development (R&D). Definitions used are compatible with OMB Circular A-21, revised May 10, 2004.

Definitions:

Research and Development (R&D). R&D for purposes of this survey is the same as "organized research" as defined in Section B.1.b. of OMB Circular A-21 (revised). It includes all R&D activities that are separately budgeted and accounted for.

Research is systematic study directed toward fuller knowledge or understanding of the subject studied. Research is classified as either basic or applied, according to the objectives of the investigator.

Development is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes.

Current fund expenditures. These are expenditures of funds available for current operations. Such expenditures include all unrestricted gifts and restricted current funds to the extent that such funds were expended for current operating purposes.

NSF Survey of R&D Expenditures at FFRDCs

Contact Information and Fiscal Year Information

Please complete the following information about your institution and the person who completed this survey.

Primary Contact: Person who is responsible for your institution's survey answers.

Name (Salutation, First, Last)	
Title	
Institution Name	
Address Line 1	
Address Line 2	
City, State, Zip	
Telephone	
Fax	
E-mail	

Alternative Contact: Person to contact if the Primary contact is unavailable. This person should know that you are the Primary Contact for the survey. Examples are your supervisor, the person who prepared the data for you, or another coworker.

Name (Salutation, First, Last)	
Title	
Telephone	
Fax	
E-mail	

Financial data are requested for your institution's 2007 fiscal year.

The month in which your institution's fiscal year begins:

OMB No. 3145-0100

Expires 5/31/2009

NSF Survey of R&D Expenditures at FFRDCs

Item 1. How much of your current fund expenditures for separately budgeted research and development in the sciences and engineering (including indirect costs) came from the following sources in FY 2007?

[Click here for Instructions](#)

Source of Funds	Total (Dollars in thousands)
a. Federal Government - Report awards for R&D (including direct and reimbursed indirect costs) by all agencies of the federal Government.	\$0
b. State and local governments - Include funds for R&D (including direct and reimbursed indirect costs) from state, county, municipal, or other local governments and their agencies.	\$0
c. Industry - Include all awards for R&D (including direct and reimbursed indirect costs) from profit-making organizations, whether engaged in production, distribution, research, service, or other activities. Do not include awards from nonprofit foundations financed by industry; these should be included under "All other sources."	\$0
d. Institution funds	
d(1) Institutionally financed organized research (confidential)* Report funds, including related indirect costs, that your institution spent for R&D activities from the following unrestricted sources: general-purpose awards from industry, foundations, or other outside sources, and other institutional funds.	\$0
d(2) Unreimbursed indirect costs and related sponsored research (confidential)* Please estimate your institution's unreimbursed indirect costs associated with externally funded R&D projects, including mandatory and voluntary cost sharing. To estimate unreimbursed indirect costs, preferably on a project-by-project basis, use your appropriate negotiated research indirect cost rate(s) multiplied by the corresponding base(s) minus actual indirect cost recovery.	\$0
Subtotal d(1)+d(2)	\$0
e. All other sources - Include awards for R&D (including direct and reimbursed indirect costs) from nonprofit foundations and voluntary health agencies as well as from all other sources not elsewhere classified. Also include gifts from individuals that are restricted by the donor to research. Funds for R&D received from a health agency that is a unit of state or local government should be included under "State and local governments." Do not include funds from foundations that are affiliated with, or granted solely to your institution; they should be included under "Institution funds."	\$0
f. TOTAL (sum of a through e)	\$0

* Row d(1) and Row d(2) are Confidential

Only the subtotal for Rows d(1) and d(2) is published for individual institutions.

Only totals combining all institutions for Rows d(1) and d(2) will be released with the data.

Comments

Instructions

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Separately budgeted research and development (R&D) includes all funds expended for activities specifically organized to produce research outcomes and commissioned by an agency either external to the institution or separately budgeted by an organizational unit within the institution.

Include research equipment purchased under research project awards from "current fund" accounts.

Include research funds for which an outside organization is a subrecipient.

Exclude training grants, public service grants, demonstration projects, clinical trials, and research expenditures that are not separately budgeted.

Exclude from your response any R&D expenditures in the fields of education, law, humanities, music, the arts, physical education, library science, and all other non-science and engineering fields.

Allocate funding to the **original sources** whenever possible. If this information is unknown, report the proximate funding source.

NSF Survey of R&D Expenditures at FFRDCs

Item 2. How much of your federal and total R&D expenditures are for (a) basic research, (b) applied research, and (c) development?

Please note that information received from institutions for basic research, applied research, and development are **confidential** and will not be published or released for individual FFRDCs.

Character of Work	(1) Total (Dollars in Thousands)	(2) Federal (Dollars in Thousands)
a. Basic research – is research directed toward an increase of knowledge; it is research where the primary aim of the investigator is a fuller knowledge or understanding of the subject under study rather than a specific application thereof.	\$0	\$0
b. Applied research – is research conducted to gain the knowledge or understanding to meet a specific, recognized need.	\$0	\$0
c. Development – is the systematic use of the knowledge or understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including the design and development of prototypes and processes.	\$0	\$0
d. Total expenditures – This total should match the total you reported for Item 1.	\$0	\$0

Comments:

Suggested Citation, Acknowledgments

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