



## Academic Research and Development Expenditures: Fiscal Year 2005

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### General Notes

The data presented in this report were compiled from the National Science Foundation (NSF) FY 2005 Survey of Research and Development Expenditures at Universities and Colleges. The survey collects the separately budgeted R&D expenditures in science and engineering (S&E) fields reported by universities and colleges. Unless noted differently, 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 furnish 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 or when data required slight mathematical adjustments.

Data presented in trend tables are 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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7	total
8	federally financed
9	nonfederally financed
	private institutions
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ranked by FY 2005 R&D expenditures

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ranked by FY 2005 R&D expenditures

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- 33 first 100 private institutions
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- 35 institutions without a medical school

detail by science and engineering field

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- 37 federally financed, first 200 institutions
- 38 nonfederally financed, first 200 institutions
- 39 first 150 public institutions
- 40 federally financed, first 150 public institutions
- 41 first 100 private institutions
- 42 federally financed, first 100 private institutions

**Passed through to and received as subrecipients**

total and federally financed: FY 2005

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- 44 received as a subrecipient

institutions ranked by FY 2005 R&D expenditures

passed through and received

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- 49 environmental sciences and subfields, federally financed
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TABLE 1. R&D expenditures at universities and colleges, by source of funds: FY 1953–2005  
(Dollars in millions)

Fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Industry	Institutional 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 <sup>a</sup>	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	14,977	8,991	1,224	994	2,698	1,071
1990	16,286	9,638	1,324	1,127	3,006	1,191
1991	17,585	10,234	1,474	1,204	3,367	1,307
1992	18,818	11,093	1,491	1,279	3,547	1,409
1993	19,951	11,957	1,559	1,360	3,589	1,486
1994	21,029	12,650	1,554	1,422	3,828	1,575
1995	22,172	13,333	1,690	1,489	4,048	1,613
1996	23,048	13,841	1,811	1,605	4,171	1,619
1997	24,372	14,315	1,909	1,737	4,698	1,712
1998	25,857	15,152	1,944	1,888	5,003	1,870
1999	27,532	16,103	2,021	2,033	5,381	1,994
2000	30,070	17,536	2,200	2,156	5,924	2,254
2001	32,805	19,229	2,320	2,218	6,613	2,425
2002	36,384	21,857	2,505	2,191	7,131	2,700

TABLE 1. R&D expenditures at universities and colleges, by source of funds: FY 1953–2005  
(Dollars in millions)

Fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Industry	Institutional funds	All other sources
2003	40,075	24,750	2,645	2,162	7,661	2,857
2004	43,229	27,620	2,877	2,129	7,751	2,852
2005	45,750	29,167	2,940	2,292	8,258	3,093

<sup>a</sup> 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 2005.



TABLE 2. R&D expenditures at universities and colleges, by character of work: FY 1953–2005

(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	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	14,977	9,792	65.4	5,185	34.6
1990	16,286	10,643	65.4	5,643	34.6
1991	17,585	11,606	66.0	5,979	34.0
1992	18,818	12,516	66.5	6,302	33.5
1993	19,951	13,303	66.7	6,648	33.3
1994	21,029	13,987	66.5	7,041	33.5
1995	22,172	14,810	66.8	7,362	33.2
1996	23,048	15,480	67.2	7,568	32.8
1997	24,372	16,600	68.1	7,771	31.9
1998	25,857	19,049	73.7	6,808	26.3
1999	27,532	20,366	74.0	7,166	26.0
2000	30,070	22,454	74.7	7,616	25.3
2001	32,805	24,382	74.3	8,423	25.7
2002	36,384	27,304	75.0	9,081	25.0

TABLE 2. R&D expenditures at universities and colleges, by character of work: FY 1953–2005

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2003	40,075	29,986	74.8	10,088	25.2
2004	43,229	32,515	75.2	10,714	24.8
2005	45,750	34,384	75.2	11,367	24.8

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

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 2005.

TABLE 3. Federally financed R&D expenditures at universities and colleges, by character of work: FY 1953–2005  
(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	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	8,991	6,195	68.9	2,796	31.1
1990	9,638	6,648	69.0	2,990	31.0
1991	10,234	7,127	69.6	3,107	30.4
1992	11,093	7,718	69.6	3,375	30.4
1993	11,957	8,398	70.2	3,559	29.8
1994	12,650	8,878	70.2	3,772	29.8
1995	13,333	9,399	70.5	3,934	29.5
1996	13,841	9,868	71.3	3,974	28.7
1997	14,315	10,315	72.1	4,001	27.9
1998	15,152	11,855	78.2	3,296	21.8
1999	16,103	12,658	78.6	3,444	21.4
2000	17,536	13,838	78.9	3,698	21.1
2001	19,229	15,037	78.2	4,192	21.8
2002	21,857	17,208	78.7	4,649	21.3
2003	24,750	19,523	78.9	5,227	21.1
2004	27,620	21,827	79.0	5,793	21.0

TABLE 3. Federally financed R&D expenditures at universities and colleges, by character of work: FY 1953–2005  
(Dollars in millions)

Fiscal year	All federal R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
2005	29,167	22,909	78.5	6,258	21.5

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

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 2005.

TABLE 4. R&amp;D expenditures at universities and colleges, by source of funds and science and engineering field: FY 1998–2005

(Dollars in thousands)

Source and field	1998	1999	2000	2001	2002	2003	2004	2005
All R&D expenditures	25,857,149	27,532,203	30,069,991	32,805,014	36,384,500	40,074,699	43,228,773	45,750,413
Source of funds								
Federal government	15,151,768	16,102,526	17,536,376	19,229,040	21,857,191	24,749,557	27,619,832	29,167,128
State and local government	1,944,147	2,021,481	2,199,804	2,319,846	2,504,746	2,644,939	2,877,112	2,939,962
Industry	1,888,299	2,032,727	2,155,741	2,218,417	2,190,927	2,161,657	2,129,352	2,292,401
Institutional funds	5,002,812	5,381,139	5,923,919	6,612,817	7,131,363	7,661,370	7,750,810	8,258,292
All other sources	1,870,123	1,994,330	2,254,151	2,424,894	2,700,273	2,857,176	2,851,667	3,092,630
Field								
Science	21,787,594	23,270,861	25,515,138	27,785,821	30,862,667	34,081,530	36,918,592	39,022,672
Computer sciences	746,678	861,098	876,437	956,089	1,125,406	1,304,967	1,404,081	1,405,847
Environmental sciences	1,624,570	1,691,839	1,765,390	1,828,667	2,017,012	2,193,853	2,352,698	2,546,286
Atmospheric sciences	269,180	287,860	287,842	301,416	340,945	395,804	414,224	456,953
Earth sciences	513,661	545,549	563,005	555,131	640,501	724,114	828,233	916,214
Oceanography	545,680	604,173	633,021	672,549	717,846	769,373	778,278	811,506
Environmental sciences, nec	296,049	254,257	281,522	299,571	317,720	304,562	331,963	361,613
Life sciences	14,597,337	15,630,661	17,469,253	19,227,174	21,435,642	23,752,939	25,944,394	27,603,363
Agricultural sciences	1,995,773	2,035,761	2,177,195	2,322,082	2,450,242	2,555,686	2,696,412	2,657,369
Biological sciences	4,584,920	5,039,867	5,619,530	5,954,662	6,600,059	7,380,830	8,148,113	8,845,701
Medical sciences	7,471,793	8,003,100	8,986,479	10,190,879	11,487,650	12,779,176	14,036,772	14,874,257
Life sciences, nec	544,851	551,933	686,049	759,551	897,691	1,037,247	1,063,097	1,226,036
Mathematical sciences	310,636	313,582	341,533	359,896	388,257	428,049	448,701	494,682
Physical sciences	2,483,640	2,605,757	2,712,103	2,804,473	3,015,664	3,274,913	3,545,182	3,704,135
Astronomy	302,676	384,539	385,581	378,210	402,338	392,056	420,324	454,135
Chemistry	876,515	919,371	961,493	1,007,544	1,128,110	1,224,622	1,316,635	1,363,691
Physics	1,078,714	1,149,345	1,207,474	1,240,577	1,286,653	1,418,127	1,521,900	1,606,606
Physical sciences, nec	225,735	152,502	157,555	178,142	198,563	240,108	286,323	279,703
Psychology	444,575	464,560	516,652	583,137	672,685	769,572	782,364	825,901
Social sciences	1,131,482	1,251,957	1,298,987	1,441,136	1,591,628	1,667,532	1,666,534	1,675,498
Economics	261,101	266,425	255,209	271,585	283,809	313,149	316,881	324,344
Political sciences	175,562	200,332	229,954	253,409	279,334	298,709	300,752	314,883
Sociology	252,902	271,465	301,121	328,252	375,293	368,113	355,248	371,338
Social sciences, nec	441,917	513,735	512,703	587,890	653,192	687,561	693,653	664,933
Sciences, nec	448,676	451,407	534,783	585,249	616,373	689,705	774,638	766,960
Engineering	4,069,555	4,261,342	4,554,853	5,019,193	5,521,833	5,993,169	6,310,181	6,727,741
Aeronautical/astronautical engineering	249,888	260,590	256,759	339,220	343,022	402,145	432,480	440,517
Bioengineering/biomedical engineering	101,957	136,564	173,710	212,574	281,853	313,503	370,222	419,830
Chemical engineering	327,080	349,020	375,709	414,477	430,759	453,298	492,800	503,191
Civil engineering	494,853	529,288	600,921	664,300	717,222	776,136	789,152	788,220
Electrical engineering	1,042,535	1,016,894	1,118,102	1,163,684	1,305,953	1,400,716	1,437,247	1,579,113
Mechanical engineering	567,878	625,353	632,552	686,959	779,979	820,865	875,120	935,057
Metallurgical/materials engineering	391,397	384,010	399,350	452,795	467,970	548,232	565,336	611,108
Engineering, nec	893,967	959,623	997,750	1,085,184	1,195,075	1,278,274	1,347,824	1,450,705

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 2005.

TABLE 5. Federally financed R&amp;D expenditures at universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All federal R&D expenditures	15,151,768	16,102,526	17,536,376	19,229,040	21,857,191	24,749,557	27,619,832	29,167,128
Science	12,797,770	13,655,431	14,957,243	16,377,852	18,627,069	21,139,668	23,716,727	25,051,411
Computer sciences	513,572	583,321	583,656	644,321	770,348	937,049	1,025,186	1,022,837
Environmental sciences	1,076,593	1,102,618	1,134,234	1,186,530	1,291,347	1,445,780	1,595,901	1,725,313
Atmospheric sciences	209,549	223,164	223,016	232,973	250,014	297,470	320,505	358,527
Earth sciences	312,220	321,260	331,680	329,233	370,196	439,850	536,826	614,337
Oceanography	362,204	405,324	422,511	449,169	485,761	537,241	547,007	545,624
Environmental sciences, nec	192,620	152,870	157,027	175,155	185,376	171,219	191,563	206,825
Life sciences	8,334,136	8,958,195	10,068,496	11,199,765	12,854,202	14,649,258	16,663,764	17,690,853
Agricultural sciences	533,532	545,716	578,745	616,788	689,667	764,806	867,988	845,191
Biological sciences	2,938,850	3,224,998	3,657,864	3,872,891	4,421,964	5,016,122	5,740,065	6,194,420
Medical sciences	4,559,326	4,866,049	5,441,889	6,259,547	7,206,606	8,242,493	9,389,011	9,898,274
Life sciences, nec	302,428	321,432	389,998	450,539	535,965	625,837	666,700	752,968
Mathematical sciences	214,232	210,166	229,962	242,147	268,497	294,692	317,881	346,213
Physical sciences	1,762,084	1,863,462	1,915,367	1,972,859	2,130,827	2,355,164	2,567,499	2,673,596
Astronomy	188,212	272,712	276,760	259,997	277,640	271,510	289,181	310,851
Chemistry	587,116	617,295	631,104	659,905	736,256	818,508	919,854	947,606
Physics	818,060	868,763	902,058	926,967	975,187	1,088,219	1,169,036	1,232,945
Physical sciences, nec	168,696	104,692	105,445	125,990	141,744	176,927	189,428	182,194
Psychology	298,888	309,687	350,665	398,792	475,828	553,427	586,548	611,001
Social sciences	425,472	472,079	490,694	546,334	614,696	663,568	690,520	691,404
Economics	92,250	90,159	89,180	89,770	99,781	106,431	109,048	109,269
Political sciences	53,124	54,061	62,827	72,205	76,946	92,734	106,805	106,041
Sociology	118,990	122,008	137,004	148,554	178,314	179,610	181,750	193,702
Social sciences, nec	161,108	205,851	201,683	235,805	259,655	284,793	292,917	282,392
Sciences, nec	172,793	155,903	184,169	187,104	221,324	240,730	269,428	290,194
Engineering	2,353,998	2,447,095	2,579,133	2,851,188	3,230,122	3,609,889	3,903,105	4,115,717
Aeronautical/astronautical engineering	170,888	183,517	181,615	254,907	247,320	305,862	329,970	330,473
Bioengineering/biomedical engineering	56,635	72,261	90,787	120,898	167,332	190,493	235,943	255,401
Chemical engineering	169,276	179,939	196,325	214,859	230,157	248,053	268,095	292,190
Civil engineering	197,086	217,064	236,989	264,701	300,411	326,639	347,717	337,662
Electrical engineering	692,580	651,186	701,022	726,415	819,661	925,155	970,351	1,045,388
Mechanical engineering	350,741	388,553	383,421	416,476	508,059	532,640	587,827	626,297
Metallurgical/materials engineering	221,691	218,231	226,743	240,875	262,898	313,752	352,022	368,934
Engineering, nec	495,101	536,344	562,231	612,057	694,284	767,295	811,180	859,372

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 2005.

TABLE 6. Nonfederally financed R&amp;D expenditures at universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All nonfederal R&D expenditures	10,705,381	11,429,677	12,533,615	13,575,974	14,527,309	15,325,142	15,608,941	16,583,285
Science	8,989,824	9,615,430	10,557,895	11,407,969	12,235,598	12,941,862	13,201,865	13,971,261
Computer sciences	233,106	277,777	292,781	311,768	355,058	367,918	378,895	383,010
Environmental sciences	547,977	589,221	631,156	642,137	725,665	748,073	756,797	820,973
Atmospheric sciences	59,631	64,696	64,826	68,443	90,931	98,334	93,719	98,426
Earth sciences	201,441	224,289	231,325	225,898	270,305	284,264	291,407	301,877
Oceanography	183,476	198,849	210,510	223,380	232,085	232,132	231,271	265,882
Environmental sciences, nec	103,429	101,387	124,495	124,416	132,344	133,343	140,400	154,788
Life sciences	6,263,201	6,672,466	7,400,757	8,027,409	8,581,440	9,103,681	9,280,630	9,912,510
Agricultural sciences	1,462,241	1,490,045	1,598,450	1,705,294	1,760,575	1,790,880	1,828,424	1,812,178
Biological sciences	1,646,070	1,814,869	1,961,666	2,081,771	2,178,095	2,364,708	2,408,048	2,651,281
Medical sciences	2,912,467	3,137,051	3,544,590	3,931,332	4,281,044	4,536,683	4,647,761	4,975,983
Life sciences, nec	242,423	230,501	296,051	309,012	361,726	411,410	396,397	473,068
Mathematical sciences	96,404	103,416	111,571	117,749	119,760	133,357	130,820	148,469
Physical sciences	721,556	742,295	796,736	831,614	884,837	919,749	977,683	1,030,539
Astronomy	114,464	111,827	108,821	118,213	124,698	120,546	131,143	143,284
Chemistry	289,399	302,076	330,389	347,639	391,854	406,114	396,781	416,085
Physics	260,654	280,582	305,416	313,610	311,466	329,908	352,864	373,661
Physical sciences, nec	57,039	47,810	52,110	52,152	56,819	63,181	96,895	97,509
Psychology	145,687	154,873	165,987	184,345	196,857	216,145	195,816	214,900
Social sciences	706,010	779,878	808,293	894,802	976,932	1,003,964	976,014	984,094
Economics	168,851	176,266	166,029	181,815	184,028	206,718	207,833	215,075
Political sciences	122,438	146,271	167,127	181,204	202,388	205,975	193,947	208,842
Sociology	133,912	149,457	164,117	179,698	196,979	188,503	173,498	177,636
Social sciences, nec	280,809	307,884	311,020	352,085	393,537	402,768	400,736	382,541
Sciences, nec	275,883	295,504	350,614	398,145	395,049	448,975	505,210	476,766
Engineering	1,715,557	1,814,247	1,975,720	2,168,005	2,291,711	2,383,280	2,407,076	2,612,024
Aeronautical/astronautical engineering	79,000	77,073	75,144	84,313	95,702	96,283	102,510	110,044
Bioengineering/biomedical engineering	45,322	64,303	82,923	91,676	114,521	123,010	134,279	164,429
Chemical engineering	157,804	169,081	179,384	199,618	200,602	205,245	224,705	211,001
Civil engineering	297,767	312,224	363,932	399,599	416,811	449,497	441,435	450,558
Electrical engineering	349,955	365,708	417,080	437,269	486,292	475,561	466,896	533,725
Mechanical engineering	217,137	236,800	249,131	270,483	271,920	288,225	287,293	308,760
Metallurgical/materials engineering	169,706	165,779	172,607	211,920	205,072	234,480	213,314	242,174
Engineering, nec	398,866	423,279	435,519	473,127	500,791	510,979	536,644	591,333

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 2005.

TABLE 7. R&D expenditures at public universities and colleges, by source of funds and science and engineering field: FY 1998–2005  
(Dollars in thousands)

Source and field	1998	1999	2000	2001	2002	2003	2004	2005
All R&D expenditures	17,478,757	18,659,672	20,512,509	22,412,525	24,878,836	27,342,967	29,275,597	30,812,481
Source of funds								
Federal government	9,072,315	9,716,105	10,653,660	11,723,328	13,398,683	15,297,791	16,941,259	17,876,292
State and local government	1,773,264	1,844,360	2,004,958	2,084,074	2,253,631	2,358,591	2,590,795	2,641,415
Industry	1,279,648	1,339,691	1,439,676	1,477,335	1,468,928	1,456,626	1,452,546	1,533,216
Institutional funds	4,215,258	4,544,588	4,988,087	5,598,210	6,016,478	6,391,530	6,430,746	6,816,541
All other sources	1,138,272	1,214,928	1,426,128	1,529,578	1,741,116	1,838,429	1,860,251	1,945,017
Field								
Science	14,612,183	15,612,487	17,217,907	18,772,629	20,899,951	23,073,373	24,793,207	26,070,671
Computer sciences	398,659	488,772	526,616	572,700	666,058	826,042	901,747	883,931
Environmental sciences	1,284,010	1,357,835	1,424,310	1,488,050	1,649,464	1,783,185	1,894,941	2,064,488
Atmospheric sciences	228,106	236,304	234,125	246,696	286,214	330,531	332,713	395,819
Earth sciences	380,882	421,659	447,627	443,771	519,002	593,383	683,185	757,546
Oceanography	490,213	512,844	543,480	581,072	609,451	651,134	650,554	671,497
Environmental sciences, nec	184,809	187,028	199,078	216,511	234,797	208,137	228,489	239,626
Life sciences	9,638,580	10,268,479	11,484,822	12,623,958	14,099,916	15,588,880	16,856,122	17,796,240
Agricultural sciences	1,930,743	1,979,379	2,115,860	2,248,767	2,372,576	2,473,126	2,610,618	2,567,554
Biological sciences	2,889,083	3,201,436	3,587,051	3,715,608	4,164,389	4,707,419	4,968,904	5,373,830
Medical sciences	4,494,943	4,767,245	5,351,854	6,154,637	6,954,790	7,693,503	8,527,280	9,008,366
Life sciences, nec	323,811	320,419	430,057	504,946	608,161	714,832	749,320	846,490
Mathematical sciences	196,137	195,130	215,046	234,474	259,317	288,536	294,850	326,252
Physical sciences	1,586,419	1,677,105	1,803,778	1,874,183	2,035,159	2,187,024	2,362,363	2,488,450
Astronomy	206,684	230,722	244,294	244,189	267,652	261,423	269,694	304,259
Chemistry	587,934	623,251	673,233	715,272	826,294	893,696	955,776	993,332
Physics	647,426	755,085	809,553	831,695	850,846	930,238	1,001,310	1,056,871
Physical sciences, nec	144,375	68,047	76,698	83,027	90,367	101,667	135,583	133,988
Psychology	333,273	344,669	381,672	434,053	498,061	568,147	566,993	608,424
Social sciences	873,359	971,883	1,000,433	1,128,664	1,249,447	1,331,846	1,325,110	1,324,256
Economics	208,011	217,311	205,916	228,961	239,634	269,361	269,804	277,234
Political sciences	109,471	122,315	139,216	151,884	152,745	178,520	171,517	186,202
Sociology	194,785	202,841	223,818	249,513	298,511	291,326	277,123	285,830
Social sciences, nec	361,092	429,416	431,483	498,306	558,557	592,639	606,666	574,990
Sciences, nec	301,746	308,614	381,230	416,547	442,529	499,713	591,081	578,630
Engineering	2,866,574	3,047,185	3,294,602	3,639,896	3,978,885	4,269,594	4,482,390	4,741,810
Aeronautical/astronautical engineering	155,112	188,634	179,401	244,850	240,039	283,281	309,557	289,392
Bioengineering/biomedical engineering	62,102	79,067	106,507	134,764	184,944	185,512	213,435	231,493
Chemical engineering	245,193	254,752	272,616	300,274	317,472	334,810	371,331	384,645
Civil engineering	425,838	447,680	509,532	563,076	605,036	654,902	665,729	673,151
Electrical engineering	714,159	712,893	785,200	815,696	922,090	990,016	1,022,729	1,134,953
Mechanical engineering	368,121	414,864	419,293	453,830	521,758	543,909	586,123	612,126
Metallurgical/materials engineering	281,720	277,709	296,003	345,897	351,944	408,525	411,324	436,981
Engineering, nec	614,329	671,586	726,050	781,509	835,602	868,639	902,162	979,069

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 2005.



TABLE 8. Federally financed R&amp;D expenditures at public universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All federal R&D expenditures	9,072,315	9,716,105	10,653,660	11,723,328	13,398,683	15,297,791	16,941,259	17,876,292
Science	7,631,001	8,193,832	9,019,986	9,892,816	11,345,032	13,020,902	14,482,818	15,303,125
Computer sciences	230,433	285,441	306,282	335,456	396,992	547,522	603,055	583,729
Environmental sciences	788,094	824,531	852,972	906,463	990,461	1,117,297	1,211,676	1,326,684
Atmospheric sciences	172,048	176,327	174,976	185,260	202,386	240,651	245,182	303,609
Earth sciences	200,834	221,706	242,138	243,337	275,660	338,295	418,037	484,556
Oceanography	313,823	324,574	341,318	365,871	390,105	436,315	436,849	427,100
Environmental sciences, nec	101,389	101,924	94,540	111,995	122,310	102,036	111,608	111,419
Life sciences	4,873,519	5,241,285	5,860,863	6,501,139	7,537,419	8,668,780	9,779,952	10,380,571
Agricultural sciences	508,316	528,466	560,303	594,248	666,141	736,968	837,274	812,085
Biological sciences	1,672,990	1,857,214	2,138,422	2,197,762	2,552,137	2,955,540	3,236,997	3,487,372
Medical sciences	2,546,439	2,699,819	2,957,029	3,449,475	4,002,511	4,599,298	5,293,889	5,627,366
Life sciences, nec	145,774	155,786	205,109	259,654	316,630	376,974	411,792	453,748
Mathematical sciences	115,756	109,975	123,752	135,301	158,720	177,255	186,573	204,568
Physical sciences	1,003,507	1,056,896	1,138,304	1,182,364	1,302,981	1,430,308	1,560,531	1,648,055
Astronomy	110,243	128,855	144,684	138,802	155,898	155,415	158,603	179,658
Chemistry	361,587	382,771	411,169	438,934	509,468	567,237	637,010	661,902
Physics	429,547	512,840	547,439	559,680	590,754	652,515	706,129	752,671
Physical sciences, nec	102,130	32,430	35,012	44,948	46,861	55,141	58,789	53,824
Psychology	216,081	219,864	248,366	282,652	338,788	394,154	413,755	434,532
Social sciences	310,748	355,445	365,892	412,288	472,429	523,145	538,965	533,233
Economics	65,795	68,404	68,565	71,322	81,595	85,948	86,138	88,445
Political sciences	28,447	29,585	31,117	36,955	35,982	54,675	59,674	57,562
Sociology	85,646	84,473	97,361	110,330	138,278	137,838	136,065	143,124
Social sciences, nec	130,860	172,983	168,849	193,681	216,574	244,684	257,088	244,102
Sciences, nec	92,863	100,395	123,555	137,153	147,242	162,441	188,311	191,753
Engineering	1,441,314	1,522,273	1,633,674	1,830,512	2,053,651	2,276,889	2,458,441	2,573,167
Aeronautical/astronautical engineering	96,801	121,651	116,136	175,918	159,111	206,959	224,872	193,533
Bioengineering/biomedical engineering	26,487	29,590	41,335	63,826	96,984	93,090	118,821	120,159
Chemical engineering	116,970	119,598	130,777	141,520	152,033	167,626	182,600	210,035
Civil engineering	156,426	168,424	180,910	204,721	228,488	249,686	266,993	266,512
Electrical engineering	433,080	416,135	452,438	463,146	525,071	595,903	632,606	687,327
Mechanical engineering	192,166	223,369	218,523	240,245	306,792	318,507	354,561	366,060
Metallurgical/materials engineering	146,223	141,003	152,143	169,057	179,770	212,375	238,118	244,753
Engineering, nec	273,161	302,503	341,412	372,079	405,402	432,743	439,870	484,788

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 2005.

TABLE 9. Nonfederally financed R&amp;D expenditures at public universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All nonfederal R&D expenditures	8,406,442	8,943,567	9,858,849	10,689,197	11,480,153	12,045,176	12,334,338	12,936,189
Science	6,981,182	7,418,655	8,197,921	8,879,813	9,554,919	10,052,471	10,310,389	10,767,546
Computer sciences	168,226	203,331	220,334	237,244	269,066	278,520	298,692	300,202
Environmental sciences	495,916	533,304	571,338	581,587	659,003	665,888	683,265	737,804
Atmospheric sciences	56,058	59,977	59,149	61,436	83,828	89,880	87,531	92,210
Earth sciences	180,048	199,953	205,489	200,434	243,342	255,088	265,148	272,990
Oceanography	176,390	188,270	202,162	215,201	219,346	214,819	213,705	244,397
Environmental sciences, nec	83,420	85,104	104,538	104,516	112,487	106,101	116,881	128,207
Life sciences	4,765,061	5,027,194	5,623,959	6,122,819	6,562,497	6,920,100	7,076,170	7,415,669
Agricultural sciences	1,422,427	1,450,913	1,555,557	1,654,519	1,706,435	1,736,158	1,773,344	1,755,469
Biological sciences	1,216,093	1,344,222	1,448,629	1,517,846	1,612,252	1,751,879	1,731,907	1,886,458
Medical sciences	1,948,504	2,067,426	2,394,825	2,705,162	2,952,279	3,094,205	3,233,391	3,381,000
Life sciences, nec	178,037	164,633	224,948	245,292	291,531	337,858	337,528	392,742
Mathematical sciences	80,381	85,155	91,294	99,173	100,597	111,281	108,277	121,684
Physical sciences	582,912	620,209	665,474	691,819	732,178	756,716	801,832	840,395
Astronomy	96,441	101,867	99,610	105,387	111,754	106,008	111,091	124,601
Chemistry	226,347	240,480	262,064	276,338	316,826	326,459	318,766	331,430
Physics	217,879	242,245	262,114	272,015	260,092	277,723	295,181	304,200
Physical sciences, nec	42,245	35,617	41,686	38,079	43,506	46,526	76,794	80,164
Psychology	117,192	124,805	133,306	151,401	159,273	173,993	153,238	173,892
Social sciences	562,611	616,438	634,541	716,376	777,018	808,701	786,145	791,023
Economics	142,216	148,907	137,351	157,639	158,039	183,413	183,666	188,789
Political sciences	81,024	92,730	108,099	114,929	116,763	123,845	111,843	128,640
Sociology	109,139	118,368	126,457	139,183	160,233	153,488	141,058	142,706
Social sciences, nec	230,232	256,433	262,634	304,625	341,983	347,955	349,578	330,888
Sciences, nec	208,883	208,219	257,675	279,394	295,287	337,272	402,770	386,877
Engineering	1,425,260	1,524,912	1,660,928	1,809,384	1,925,234	1,992,705	2,023,949	2,168,643
Aeronautical/astronautical engineering	58,311	66,983	63,265	68,932	80,928	76,322	84,685	95,859
Bioengineering/biomedical engineering	35,615	49,477	65,172	70,938	87,960	92,422	94,614	111,334
Chemical engineering	128,223	135,154	141,839	158,754	165,439	167,184	188,731	174,610
Civil engineering	269,412	279,256	328,622	358,355	376,548	405,216	398,736	406,639
Electrical engineering	281,079	296,758	332,762	352,550	397,019	394,113	390,123	447,626
Mechanical engineering	175,955	191,495	200,770	213,585	214,966	225,402	231,562	246,066
Metallurgical/materials engineering	135,497	136,706	143,860	176,840	172,174	196,150	173,206	192,228
Engineering, nec	341,168	369,083	384,638	409,430	430,200	435,896	462,292	494,281

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 2005.

TABLE 10. R&amp;D expenditures at private universities and colleges, by source of funds and science and engineering field: FY 1998–2005

(Dollars in thousands)

Source and field	1998	1999	2000	2001	2002	2003	2004	2005
All R&D expenditures	8,378,392	8,872,531	9,557,482	10,392,489	11,505,664	12,731,732	13,953,176	14,937,932
Source of funds								
Federal government	6,079,453	6,386,421	6,882,716	7,505,712	8,458,508	9,451,766	10,678,573	11,290,836
State and local government	170,883	177,121	194,846	235,772	251,115	286,348	286,317	298,547
Industry	608,651	693,036	716,065	741,082	721,999	705,031	676,806	759,185
Institutional funds	787,554	836,551	935,832	1,014,607	1,114,885	1,269,840	1,320,064	1,441,751
All other sources	731,851	779,402	828,023	895,316	959,157	1,018,747	991,416	1,147,613
Field								
Science	7,175,411	7,658,374	8,297,231	9,013,192	9,962,716	11,008,157	12,125,385	12,952,001
Computer sciences	348,019	372,326	349,821	383,389	459,348	478,925	502,334	521,916
Environmental sciences	340,560	334,004	341,080	340,617	367,548	410,668	457,757	481,798
Atmospheric sciences	41,074	51,556	53,717	54,720	54,731	65,273	81,511	61,134
Earth sciences	132,779	123,890	115,378	111,360	121,499	130,731	145,048	158,668
Oceanography	55,467	91,329	89,541	91,477	108,395	118,239	127,724	140,009
Environmental sciences, nec	111,240	67,229	82,444	83,060	82,923	96,425	103,474	121,987
Life sciences	4,958,757	5,362,182	5,984,431	6,603,216	7,335,726	8,164,059	9,088,272	9,807,123
Agricultural sciences	65,030	56,382	61,335	73,315	77,666	82,560	85,794	89,815
Biological sciences	1,695,837	1,838,431	2,032,479	2,239,054	2,435,670	2,673,411	3,179,209	3,471,871
Medical sciences	2,976,850	3,235,855	3,634,625	4,036,242	4,532,860	5,085,673	5,509,492	5,865,891
Life sciences, nec	221,040	231,514	255,992	254,605	289,530	322,415	313,777	379,546
Mathematical sciences	114,499	118,452	126,487	125,422	128,940	139,513	153,851	168,430
Physical sciences	897,221	928,652	908,325	930,290	980,505	1,087,889	1,182,819	1,215,685
Astronomy	95,992	153,817	141,287	134,021	134,686	130,633	150,630	149,876
Chemistry	288,581	296,120	288,260	292,272	301,816	330,926	360,859	370,359
Physics	431,288	394,260	397,921	408,882	435,807	487,889	520,590	549,735
Physical sciences, nec	81,360	84,455	80,857	95,115	108,196	138,441	150,740	145,715
Psychology	111,302	119,891	134,980	149,084	174,624	201,425	215,371	217,477
Social sciences	258,123	280,074	298,554	312,472	342,181	335,686	341,424	351,242
Economics	53,090	49,114	49,293	42,624	44,175	43,788	47,077	47,110
Political sciences	66,091	78,017	90,738	101,525	126,589	120,189	129,235	128,681
Sociology	58,117	68,624	77,303	78,739	76,782	76,787	78,125	85,508
Social sciences, nec	80,825	84,319	81,220	89,584	94,635	94,922	86,987	89,943
Sciences, nec	146,930	142,793	153,553	168,702	173,844	189,992	183,557	188,330
Engineering	1,202,981	1,214,157	1,260,251	1,379,297	1,542,948	1,723,575	1,827,791	1,985,931
Aeronautical/astronautical engineering	94,776	71,956	77,358	94,370	102,983	118,864	122,923	151,125
Bioengineering/biomedical engineering	39,855	57,497	67,203	77,810	96,909	127,991	156,787	188,337
Chemical engineering	81,887	94,268	103,093	114,203	113,287	118,488	121,469	118,546
Civil engineering	69,015	81,608	91,389	101,224	112,186	121,234	123,423	115,069
Electrical engineering	328,376	304,001	332,902	347,988	383,863	410,700	414,518	444,160
Mechanical engineering	199,757	210,489	213,259	233,129	258,221	276,956	288,997	322,931
Metallurgical/materials engineering	109,677	106,301	103,347	106,898	116,026	139,707	154,012	174,127
Engineering, nec	279,638	288,037	271,700	303,675	359,473	409,635	445,662	471,636

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 2005.

TABLE 11. Federally financed R&amp;D expenditures at private universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All federal R&D expenditures	6,079,453	6,386,421	6,882,716	7,505,712	8,458,508	9,451,766	10,678,573	11,290,836
Science	5,166,769	5,461,599	5,937,257	6,485,036	7,282,037	8,118,766	9,233,909	9,748,286
Computer sciences	283,139	297,880	277,374	308,865	373,356	389,527	422,131	439,108
Environmental sciences	288,499	278,087	281,262	280,067	300,886	328,483	384,225	398,629
Atmospheric sciences	37,501	46,837	48,040	47,713	47,628	56,819	75,323	54,918
Earth sciences	111,386	99,554	89,542	85,896	94,536	101,555	118,789	129,781
Oceanography	48,381	80,750	81,193	83,298	95,656	100,926	110,158	118,524
Environmental sciences, nec	91,231	50,946	62,487	63,160	63,066	69,183	79,955	95,406
Life sciences	3,460,617	3,716,910	4,207,633	4,698,626	5,316,783	5,980,478	6,883,812	7,310,282
Agricultural sciences	25,216	17,250	18,442	22,540	23,526	27,838	30,714	33,106
Biological sciences	1,265,860	1,367,784	1,519,442	1,675,129	1,869,827	2,060,582	2,503,068	2,707,048
Medical sciences	2,012,887	2,166,230	2,484,860	2,810,072	3,204,095	3,643,195	4,095,122	4,270,908
Life sciences, nec	156,654	165,646	184,889	190,885	219,335	248,863	254,908	299,220
Mathematical sciences	98,476	100,191	106,210	106,846	109,777	117,437	131,308	141,645
Physical sciences	758,577	806,566	777,063	790,495	827,846	924,856	1,006,968	1,025,541
Astronomy	77,969	143,857	132,076	121,195	121,742	116,095	130,578	131,193
Chemistry	225,529	234,524	219,935	220,971	226,788	251,271	282,844	285,704
Physics	388,513	355,923	354,619	367,287	384,433	435,704	462,907	480,274
Physical sciences, nec	66,566	72,262	70,433	81,042	94,883	121,786	130,639	128,370
Psychology	82,807	89,823	102,299	116,140	137,040	159,273	172,793	176,469
Social sciences	114,724	116,634	124,802	134,046	142,267	140,423	151,555	158,171
Economics	26,455	21,755	20,615	18,448	18,186	20,483	22,910	20,824
Political sciences	24,677	24,476	31,710	35,250	40,964	38,059	47,131	48,479
Sociology	33,344	37,535	39,643	38,224	40,036	41,772	45,685	50,578
Social sciences, nec	30,248	32,868	32,834	42,124	43,081	40,109	35,829	38,290
Sciences, nec	79,930	55,508	60,614	49,951	74,082	78,289	81,117	98,441
Engineering	912,684	924,822	945,459	1,020,676	1,176,471	1,333,000	1,444,664	1,542,550
Aeronautical/astronautical engineering	74,087	61,866	65,479	78,989	88,209	98,903	105,098	136,940
Bioengineering/biomedical engineering	30,148	42,671	49,452	57,072	70,348	97,403	117,122	135,242
Chemical engineering	52,306	60,341	65,548	73,339	78,124	80,427	85,495	82,155
Civil engineering	40,660	48,640	56,079	59,980	71,923	76,953	80,724	71,150
Electrical engineering	259,500	235,051	248,584	263,269	294,590	329,252	337,745	358,061
Mechanical engineering	158,575	165,184	164,898	176,231	201,267	214,133	233,266	260,237
Metallurgical/materials engineering	75,468	77,228	74,600	71,818	83,128	101,377	113,904	124,181
Engineering, nec	221,940	233,841	220,819	239,978	288,882	334,552	371,310	374,584

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 2005.

TABLE 12. Nonfederally financed R&amp;D expenditures at private universities and colleges, by science and engineering field: FY 1998–2005

(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All nonfederal R&D expenditures	2,298,939	2,486,110	2,674,766	2,886,777	3,047,156	3,279,966	3,274,603	3,647,096
Science	2,008,642	2,196,775	2,359,974	2,528,156	2,680,679	2,889,391	2,891,476	3,203,715
Computer sciences	64,880	74,446	72,447	74,524	85,992	89,398	80,203	82,808
Environmental sciences	52,061	55,917	59,818	60,550	66,662	82,185	73,532	83,169
Atmospheric sciences	3,573	4,719	5,677	7,007	7,103	8,454	6,188	6,216
Earth sciences	21,393	24,336	25,836	25,464	26,963	29,176	26,259	28,887
Oceanography	7,086	10,579	8,348	8,179	12,739	17,313	17,566	21,485
Environmental sciences, nec	20,009	16,283	19,957	19,900	19,857	27,242	23,519	26,581
Life sciences	1,498,140	1,645,272	1,776,798	1,904,590	2,018,943	2,183,581	2,204,460	2,496,841
Agricultural sciences	39,814	39,132	42,893	50,775	54,140	54,722	55,080	56,709
Biological sciences	429,977	470,647	513,037	563,925	565,843	612,829	676,141	764,823
Medical sciences	963,963	1,069,625	1,149,765	1,226,170	1,328,765	1,442,478	1,414,370	1,594,983
Life sciences, nec	64,386	65,868	71,103	63,720	70,195	73,552	58,869	80,326
Mathematical sciences	16,023	18,261	20,277	18,576	19,163	22,076	22,543	26,785
Physical sciences	138,644	122,086	131,262	139,795	152,659	163,033	175,851	190,144
Astronomy	18,023	9,960	9,211	12,826	12,944	14,538	20,052	18,683
Chemistry	63,052	61,596	68,325	71,301	75,028	79,655	78,015	84,655
Physics	42,775	38,337	43,302	41,595	51,374	52,185	57,683	69,461
Physical sciences, nec	14,794	12,193	10,424	14,073	13,313	16,655	20,101	17,345
Psychology	28,495	30,068	32,681	32,944	37,584	42,152	42,578	41,008
Social sciences	143,399	163,440	173,752	178,426	199,914	195,263	189,869	193,071
Economics	26,635	27,359	28,678	24,176	25,989	23,305	24,167	26,286
Political sciences	41,414	53,541	59,028	66,275	85,625	82,130	82,104	80,202
Sociology	24,773	31,089	37,660	40,515	36,746	35,015	32,440	34,930
Social sciences, nec	50,577	51,451	48,386	47,460	51,554	54,813	51,158	51,653
Sciences, nec	67,000	87,285	92,939	118,751	99,762	111,703	102,440	89,889
Engineering	290,297	289,335	314,792	358,621	366,477	390,575	383,127	443,381
Aeronautical/astronautical engineering	20,689	10,090	11,879	15,381	14,774	19,961	17,825	14,185
Bioengineering/biomedical engineering	9,707	14,826	17,751	20,738	26,561	30,588	39,665	53,095
Chemical engineering	29,581	33,927	37,545	40,864	35,163	38,061	35,974	36,391
Civil engineering	28,355	32,968	35,310	41,244	40,263	44,281	42,699	43,919
Electrical engineering	68,876	68,950	84,318	84,719	89,273	81,448	76,773	86,099
Mechanical engineering	41,182	45,305	48,361	56,898	56,954	62,823	55,731	62,694
Metallurgical/materials engineering	34,209	29,073	28,747	35,080	32,898	38,330	40,108	49,946
Engineering, nec	57,698	54,196	50,881	63,697	70,591	75,083	74,352	97,052

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 2005.

TABLE 13. R&D expenditures at historically black colleges and universities, by source of funds and science and engineering field: FY 1998–2005  
(Dollars in thousands)

Source and field	1998	1999	2000	2001	2002	2003	2004	2005
All R&D expenditures	293,190	254,785	263,447	315,861	363,620	393,844	417,859	434,185
Source of funds								
Federal government	248,688	216,510	227,616	270,741	309,802	339,908	355,762	371,097
State and local government	12,908	6,877	10,699	11,704	17,891	17,939	21,293	19,401
Industry	5,030	5,388	6,072	6,937	9,678	9,299	15,617	9,648
Institutional funds	10,641	14,644	13,826	19,762	21,572	21,379	19,438	26,671
All other sources	15,923	11,366	5,234	6,717	4,677	5,319	5,749	7,368
Field								
Science	245,026	222,920	234,124	282,479	331,124	362,011	379,559	359,018
Computer sciences	14,299	15,916	14,554	19,968	13,381	12,625	11,280	12,187
Environmental sciences	14,700	11,327	11,218	13,336	11,898	23,741	37,890	17,059
Atmospheric sciences	1,810	1,871	4,031	1,718	3,110	10,495	24,431	580
Earth sciences	2,958	2,443	2,850	5,998	5,405	5,554	4,483	5,945
Oceanography	173	447	939	1,528	2,049	3,846	1,389	1,228
Environmental sciences, nec	9,759	6,566	3,398	4,092	1,334	3,846	7,587	9,306
Life sciences	143,599	124,574	139,257	166,424	203,658	234,894	242,221	239,497
Agricultural sciences	60,086	48,706	51,993	62,815	79,268	96,463	74,518	79,388
Biological sciences	57,852	45,581	48,286	62,634	73,697	77,990	82,681	84,994
Medical sciences	21,009	25,449	30,595	34,975	45,804	45,705	67,888	63,252
Life sciences, nec	4,652	4,838	8,383	6,000	4,889	14,736	17,134	11,863
Mathematical sciences	5,248	5,054	5,667	6,377	7,628	11,450	6,905	8,948
Physical sciences	46,815	48,920	40,506	44,327	46,461	44,970	42,492	42,956
Astronomy	4,384	4,567	4,304	2,399	2,149	2,793	2,174	1,718
Chemistry	21,772	22,985	14,014	14,242	15,741	16,704	17,076	17,046
Physics	20,206	20,800	22,126	26,639	24,903	23,729	21,937	23,286
Physical sciences, nec	453	568	62	1,047	3,668	1,744	1,305	906
Psychology	1,002	2,275	1,688	4,839	5,662	4,916	5,102	3,758
Social sciences	7,920	8,347	11,020	13,166	11,390	11,830	12,624	15,690
Economics	1,156	1,344	1,431	2,132	2,074	2,144	1,951	1,482
Political sciences	464	299	728	534	360	428	209	117
Sociology	3,033	2,877	4,253	4,128	4,191	3,878	3,640	4,826
Social sciences, nec	3,267	3,827	4,608	6,372	4,765	5,380	6,824	9,265
Sciences, nec	11,443	6,507	10,214	14,042	31,046	17,585	21,045	18,923
Engineering	48,164	31,865	29,323	33,382	32,496	31,833	38,300	75,167
Aeronautical/astronautical engineering	2,673	3,923	3,607	3,623	2,454	3,089	4,353	37,034
Bioengineering/biomedical engineering	183	56	882	918	144	110	144	80
Chemical engineering	4,660	2,637	2,965	3,292	2,824	2,896	2,883	5,783
Civil engineering	3,963	3,840	3,228	3,956	4,993	4,413	3,739	5,339
Electrical engineering	8,191	6,497	6,067	7,625	9,192	8,272	8,419	8,785
Mechanical engineering	17,899	8,186	6,705	7,264	6,843	6,010	8,738	6,535
Metallurgical/materials engineering	2,518	379	167	0	25	0	0	79
Engineering, nec	8,077	6,347	5,702	6,704	6,021	7,043	10,024	11,532

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 2005.

TABLE 14. Federally financed R&D expenditures at historically black colleges and universities, by science and engineering field: FY 1998–2005  
(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All federal R&D expenditures	248,688	216,510	227,616	270,741	309,802	339,908	355,762	371,097
Science	207,549	188,897	202,204	242,254	281,766	313,913	323,317	301,318
Computer sciences	12,445	13,780	12,795	18,590	12,145	12,078	10,825	11,071
Environmental sciences	11,926	8,182	9,310	10,826	9,532	21,130	36,823	15,528
Atmospheric sciences	1,766	1,818	3,991	1,541	2,872	10,357	24,335	395
Earth sciences	1,623	1,042	1,798	3,909	3,844	3,753	4,067	5,103
Oceanography	79	383	823	1,381	1,875	3,611	1,389	1,226
Environmental sciences, nec	8,458	4,939	2,698	3,995	941	3,409	7,032	8,804
Life sciences	123,460	109,349	121,781	144,404	178,321	206,031	203,099	199,895
Agricultural sciences	47,640	40,446	43,682	48,884	64,176	80,533	55,076	55,521
Biological sciences	53,175	42,388	44,857	58,903	71,227	73,747	78,424	80,048
Medical sciences	18,904	22,886	26,841	31,590	39,655	42,315	55,505	54,771
Life sciences, nec	3,741	3,629	6,401	5,027	3,263	9,436	14,094	9,555
Mathematical sciences	2,530	2,747	4,364	4,220	4,991	7,572	6,494	8,115
Physical sciences	41,314	43,851	36,250	40,026	40,972	39,863	37,730	37,017
Astronomy	4,371	4,209	3,873	1,938	1,683	2,145	1,683	1,145
Chemistry	18,752	21,215	12,850	13,253	13,872	15,496	16,080	15,756
Physics	17,979	17,920	19,521	23,926	21,922	20,895	18,805	19,318
Physical sciences, nec	212	507	6	909	3,495	1,327	1,162	798
Psychology	979	1,777	1,324	4,526	5,376	4,700	4,946	3,570
Social sciences	5,506	5,270	8,114	9,934	8,617	8,433	10,451	13,658
Economics	1,063	1,171	1,118	1,926	1,693	1,832	1,646	1,367
Political sciences	254	134	508	412	192	326	142	117
Sociology	2,006	1,490	3,374	3,521	3,406	3,070	3,081	4,169
Social sciences, nec	2,183	2,475	3,114	4,075	3,326	3,205	5,582	8,005
Sciences, nec	9,389	3,941	8,266	9,728	21,812	14,106	12,949	12,464
Engineering	41,139	27,613	25,412	28,487	28,036	25,995	32,445	69,779
Aeronautical/astronautical engineering	2,370	3,619	3,530	3,549	2,233	2,834	3,649	36,844
Bioengineering/biomedical engineering	183	56	567	469	136	110	144	80
Chemical engineering	3,668	2,166	2,752	3,090	2,452	2,505	2,547	5,410
Civil engineering	3,139	2,844	2,246	2,679	4,037	3,613	2,681	4,174
Electrical engineering	7,730	5,553	5,290	6,817	8,152	6,877	7,278	7,768
Mechanical engineering	14,657	7,423	6,189	6,679	5,808	4,650	7,329	5,333
Metallurgical/materials engineering	2,370	302	162	0	25	0	0	79
Engineering, nec	7,022	5,650	4,676	5,204	5,193	5,406	8,817	10,091

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 2005.

TABLE 15. Nonfederally financed R&D expenditures at historically black colleges and universities, by science and engineering field: FY 1998–2005  
(Dollars in thousands)

Field	1998	1999	2000	2001	2002	2003	2004	2005
All nonfederal R&D expenditures	44,502	38,275	35,831	45,120	53,818	53,936	62,097	63,088
Science	37,477	34,023	31,920	40,225	49,358	48,098	56,242	57,700
Computer sciences	1,854	2,136	1,759	1,378	1,236	547	455	1,116
Environmental sciences	2,774	3,145	1,908	2,510	2,366	2,611	1,067	1,531
Atmospheric sciences	44	53	40	177	238	138	96	185
Earth sciences	1,335	1,401	1,052	2,089	1,561	1,801	416	842
Oceanography	94	64	116	147	174	235	0	2
Environmental sciences, nec	1,301	1,627	700	97	393	437	555	502
Life sciences	20,139	15,225	17,476	22,020	25,337	28,863	39,122	39,602
Agricultural sciences	12,446	8,260	8,311	13,931	15,092	15,930	19,442	23,867
Biological sciences	4,677	3,193	3,429	3,731	2,470	4,243	4,257	4,946
Medical sciences	2,105	2,563	3,754	3,385	6,149	3,390	12,383	8,481
Life sciences, nec	911	1,209	1,982	973	1,626	5,300	3,040	2,308
Mathematical sciences	2,718	2,307	1,303	2,157	2,637	3,878	411	833
Physical sciences	5,501	5,069	4,256	4,301	5,489	5,107	4,762	5,939
Astronomy	13	358	431	461	466	648	491	573
Chemistry	3,020	1,770	1,164	989	1,869	1,208	996	1,290
Physics	2,227	2,880	2,605	2,713	2,981	2,834	3,132	3,968
Physical sciences, nec	241	61	56	138	173	417	143	108
Psychology	23	498	364	313	286	216	156	188
Social sciences	2,414	3,077	2,906	3,232	2,773	3,397	2,173	2,032
Economics	93	173	313	206	381	312	305	115
Political sciences	210	165	220	122	168	102	67	0
Sociology	1,027	1,387	879	607	785	808	559	657
Social sciences, nec	1,084	1,352	1,494	2,297	1,439	2,175	1,242	1,260
Sciences, nec	2,054	2,566	1,948	4,314	9,234	3,479	8,096	6,459
Engineering	7,025	4,252	3,911	4,895	4,460	5,838	5,855	5,388
Aeronautical/astronautical engineering	303	304	77	74	221	255	704	190
Bioengineering/biomedical engineering	0	0	315	449	8	0	0	0
Chemical engineering	992	471	213	202	372	391	336	373
Civil engineering	824	996	982	1,277	956	800	1,058	1,165
Electrical engineering	461	944	777	808	1,040	1,395	1,141	1,017
Mechanical engineering	3,242	763	516	585	1,035	1,360	1,409	1,202
Metallurgical/materials engineering	148	77	5	0	0	0	0	0
Engineering, nec	1,055	697	1,026	1,500	828	1,637	1,207	1,441

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 2005.



TABLE 16. Total and federally financed R&D expenditures at historically black colleges and universities, ranked by FY 2005 total: FY 2002–05  
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	363,620	393,844	417,859	434,185	309,802	339,908	355,762	371,097
1	Hampton U.	11,067	18,673	31,645	42,969	10,058	18,417	31,443	42,792
2	Howard U.	35,387	37,577	41,404	41,609	33,949	36,137	40,086	40,020
3	Jackson State U.	25,445	28,843	31,641	35,876	21,721	25,607	28,806	30,472
4	Morehouse School of Medicine	23,956	27,154	33,317	30,652	21,919	24,382	23,331	24,213
5	Meharry Medical C.	20,508	25,427	27,507	29,105	20,453	24,195	26,159	27,408
6	FL A&M U.	31,147	23,503	31,408	26,400	21,592	18,273	24,994	22,378
7	NC Agricultural and Technical State U.	15,353	17,304	19,534	22,936	11,953	12,226	13,487	16,348
8	U. of the VI	13,981	15,762	17,874	16,735	10,620	10,772	11,598	12,213
9	AL A&M U.	15,717	36,856	17,429	16,075	10,710	30,343	12,023	12,005
10	TN State U.	15,262	14,306	15,255	14,669	11,218	10,280	11,277	10,446
11	Clark Atlanta U.	17,194	12,760	13,576	12,790	15,325	12,367	13,075	11,346
12	Prairie View A&M U.	10,444	11,193	10,989	11,810	7,712	7,886	7,965	8,464
13	Tuskegee U.	9,965	10,067	11,519	10,966	7,703	7,660	8,904	8,478
14	Morgan State U.	1,674	7,493	8,580	9,544	1,674	6,232	7,227	8,126
15	Norfolk State U.	4,967	4,532	6,200	6,758	4,902	4,404	6,054	6,055
16	U. AR Pine Bluff	5,976	6,543	6,246	6,685	3,016	3,470	3,455	3,933
17	Alcorn State U.	5,809	7,619	7,622	6,256	5,809	7,582	7,622	5,396
18	Fisk U.	3,030	3,000	5,000	6,000	3,030	3,000	5,000	6,000
19	Xavier U. LA	6,413	5,515	5,585	5,972 i	6,019	5,036	5,226	5,508 i
20	U. MD Eastern Shore	5,905	5,124	5,272	5,568	5,718	4,862	5,041	5,432
21	DE State U.	3,162	3,944	4,678 i	5,412	2,819	3,636	4,342 i	5,048
22	VA State U.	7,144	7,209	5,953	5,048	6,895	6,964	5,655	2,668
23	TX Southern U.	4,189	3,088	4,088	4,641	3,910	2,925	3,749	4,426
24	Southern U. and A&M C. all campuses	6,310 i	5,314 i	4,317	4,545 i	5,000 i	4,291 i	3,581	3,783 i
25	U. DC	4,223	4,125	4,693	4,426	2,963	2,769	3,492	2,958
26	Langston U.	3,975	4,332	3,578	4,371	3,975	4,332	3,578	3,848
27	SC State U.	2,931	3,225	3,548	3,796	1,998	2,198	2,418	2,587
28	Morehouse C.	3,135 i	3,276 i	3,417 i	3,559	2,383 i	2,653 i	2,923 i	3,196
29	KY State U.	6,188	6,395	3,298	3,044	6,036	6,395	3,298	3,044
30	Spelman C.	3,082	2,298	2,481	2,759	2,968	2,186	2,419	2,576
31	Lincoln U. (Jefferson City, MO)	3,291	2,601	2,181	2,656	2,513	2,149	1,552	2,093
32	WV State U.	519 i	975 i	1,433	2,537	467 i	934 i	1,403	2,128
33	Ft. Valley State U.	2,985	2,892	2,596	2,497	2,985	2,798	2,558	2,492
34	Savannah State U.	2,206	2,150 i	2,094	2,421	2,206	2,150 i	2,094	2,421
35	Winston-Salem State U.	2,022	2,022 e	2,073 e	2,176 i	2,022	2,022 e	2,073 e	2,176 i
36	Albany State U.	1,987	2,178	2,619	2,091	1,640	2,056	2,547	2,010
37	Bowie State U.	2,330	2,206	1,883	2,033	2,200	2,206	1,883	2,033
38	AL State U.	1,433	1,633	1,688	1,900	1,249	1,449	1,683	1,685
39	Shaw U.	874 i	1,261	1,270	1,864	722 i	1,033	1,033	1,727
40	Grambling State U.	2,452	2,218	1,934	1,784	1,977	1,880	1,522	1,461
41	Central State U.	966 i	1,169 i	1,372 i	1,579	801 i	1,060 i	1,319 i	1,579
42	Benedict C.	1,061	1,071	1,035	1,494	966	1,002	1,020	1,399
43	NC Central U.	1,035 i	1,100 i	1,219 i	1,174 i	971 i	1,029 i	1,141 i	1,066 i
44	Tougaloo C.	1,007 i	851 i	889 i	938 i	407 i	335 i	358 i	369 i
45	Elizabeth City State U.	1,058	1,103	1,044	929	1,058	1,103	1,032	888
46	Fayetteville State U.	311	586	166	821	311	546	161	711
47	Dillard U.	528	668	679	716 i	393	441	351	362 i
48	MS Valley State U.	1,030	636	493	606	1,030	636	493	606
49	Southern U. New Orleans	937	587	556	584 i	902	552	556	584 i
50	Oakwood C.	567 i	479 i	501 i	528 i	447 i	368 i	393 i	405 i

TABLE 16. Total and federally financed R&D expenditures at historically black colleges and universities, ranked by FY 2005 total: FY 2002–05  
(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	Lincoln U. (Lincoln University, PA)	718	704	526	526	718	704	526	526
52	Bluefield State C.	0	54	156	359	0	36	156	359
53	Morris Brown C.	343	290 i	303 i	320 i	343	282 i	301 i	310 i
54	Voorhees C.	ne	ne	ne	273 i	ne	ne	ne	273 i
55	Clafin U.	203	293	255	222	203	293	255	222
56	Wiley C.	15	298	270	181	0	263	169	45
	All other sampled institutions	10,203	1,362	970	0	9,223	1,101	955	0

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

i = data point 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 2005.

TABLE 17. R&D expenditures at universities and colleges, by geographic division, state, and source of funds: FY 2005  
(Dollars in thousands)

Division and state	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
United States	45,750,413	29,167,128	2,939,962	2,292,401	8,258,292	3,092,630
New England	3,434,909	2,556,722	80,512	184,765	353,164	259,746
Connecticut	669,199	477,219	7,758	28,531	84,850	70,841
Maine	81,624	32,239	7,642	3,881	33,134	4,728
Massachusetts	2,079,463	1,631,072	45,166	129,193	118,423	155,609
New Hampshire	287,472	200,982	6,006	9,553	52,026	18,905
Rhode Island	199,709	134,067	8,778	6,337	47,004	3,523
Vermont	117,442	81,143	5,162	7,270	17,727	6,140
Middle Atlantic	6,825,175	4,537,172	393,923	341,343	1,057,083	495,654
New Jersey	867,121	463,731	57,173	38,240	237,009	70,968
New York	3,604,414	2,402,304	220,884	142,766	550,864	287,596
Pennsylvania	2,353,640	1,671,137	115,866	160,337	269,210	137,090
East North Central	6,515,570	3,886,105	415,339	331,735	1,461,049	421,342
Illinois	1,770,938	1,122,675	66,705	53,485	420,952	107,121
Indiana	759,419	380,291	60,869	62,805	206,036	49,418
Michigan	1,455,849	880,176	74,906	65,003	361,597	74,167
Ohio	1,530,915	892,144	167,576	128,113	231,990	111,092
Wisconsin	998,449	610,819	45,283	22,329	240,474	79,544
West North Central	2,926,740	1,678,299	247,846	118,180	702,580	179,835
Iowa	548,237	316,503	48,947	28,543	138,369	15,875
Kansas	348,751	179,894	50,021	9,911	96,088	12,837
Minnesota	559,585	326,017	50,836	27,413	77,253	78,066
Missouri	893,013	592,887	41,495	23,205	189,971	45,455
Nebraska	360,148	141,899	12,650	21,424	166,014	18,161
North Dakota	149,994	78,337	31,158	6,901	30,195	3,403
South Dakota	67,012	42,762	12,739	783	4,690	6,038
South Atlantic	8,696,543	5,538,923	591,583	554,380	1,613,984	397,673
Delaware	115,751	79,769	5,296	4,048	22,683	3,955
District of Columbia	302,921	241,839	3,635	13,387	17,009	27,051
Florida	1,448,634	792,278	156,003	104,674	330,552	65,127
Georgia	1,274,410	744,799	77,701	69,047	342,894	39,969
Maryland	2,357,063	1,767,353	67,803	94,598	289,162	138,147
North Carolina	1,652,049	1,011,116	147,629	199,728	231,123	62,453
South Carolina	486,399	239,075	32,504	22,146	180,466	12,208
Virginia	914,166	574,697	96,954	42,897	153,425	46,193
West Virginia	145,150	87,997	4,058	3,855	46,670	2,570
East South Central	2,121,648	1,363,884	161,629	65,765	429,430	100,940
Alabama	589,860	446,488	8,889	18,827	96,203	19,453
Kentucky	452,265	221,922	52,451	11,262	127,843	38,787
Mississippi	353,445	223,852	36,840	10,579	76,096	6,078
Tennessee	726,078	471,622	63,449	25,097	129,288	36,622
West South Central	4,154,673	2,260,570	556,017	213,019	725,631	399,436
Arkansas	209,518	103,142	47,006	10,886	34,130	14,354
Louisiana	579,734	259,895	117,083	22,221	126,195	54,340
Oklahoma	291,697	138,528	37,115	15,496	87,028	13,530
Texas	3,073,724	1,759,005	354,813	164,416	478,278	317,212
Mountain	2,844,891	1,897,322	134,664	119,495	561,434	131,976
Arizona	720,184	401,975	25,200	42,370	221,066	29,573
Colorado	825,984	645,719	20,962	33,997	78,429	46,877
Idaho	119,871	67,746	25,334	3,846	11,778	11,167
Montana	170,791	113,046	21,119	3,895	31,258	1,473

TABLE 17. R&D expenditures at universities and colleges, by geographic division, state, and source of funds: FY 2005  
(Dollars in thousands)

Division and state	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Nevada	178,492	124,926	4,263	4,091	40,970	4,242
New Mexico	345,844	236,369	15,380	17,381	70,989	5,725
Utah	400,276	278,190	20,203	12,355	59,891	29,637
Wyoming	83,449	29,351	2,203	1,560	47,053	3,282
Pacific	8,104,188	5,351,106	350,727	358,018	1,340,467	703,870
Alaska	153,721	97,356	2,704	11,356	39,893	2,412
California	6,272,890	3,970,397	256,723	268,883	1,133,204	643,683
Hawaii	240,247	199,135	7,077	12,155	21,282	598
Oregon	536,228	392,321	41,583	16,435	63,856	22,033
Washington	901,102	691,897	42,640	49,189	82,232	35,144
Outlying areas <sup>a</sup>	126,076	97,025	7,722	5,701	13,470	2,158

<sup>a</sup> 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 2005.

TABLE 18. R&amp;D expenditures at universities and colleges, by geographic division, state, and science and engineering field: FY 2005

(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	45,750,413	2,546,286	27,603,363	1,900,529	3,704,135	825,901	1,675,498	766,960	6,727,741
New England	3,434,909	298,437	1,956,539	131,909	328,113	73,701	109,408	64,386	472,416
Connecticut	669,199	14,109	537,493	10,959	32,916	23,818	14,437	845	34,622
Maine	81,624	21,472	30,128	2,459	10,501	991	3,001	561	12,511
Massachusetts	2,079,463	181,316	1,039,453	95,243	253,618	37,008	78,020	38,850	355,955
New Hampshire	287,472	49,744	156,399	5,938	14,402	5,708	5,417	8,705	41,159
Rhode Island	199,709	30,912	90,374	15,599	14,219	4,821	8,402	9,150	26,232
Vermont	117,442	884	102,692	1,711	2,457	1,355	131	6,275	1,937
Middle Atlantic	6,825,175	222,907	4,233,387	345,726	541,809	161,413	238,830	87,446	993,657
New Jersey	867,121	54,948	439,426	45,805	83,558	20,963	57,665	25,119	139,637
New York	3,604,414	116,969	2,392,239	121,781	306,580	83,162	99,794	27,597	456,292
Pennsylvania	2,353,640	50,990	1,401,722	178,140	151,671	57,288	81,371	34,730	397,728
East North Central	6,515,570	193,068	3,911,517	288,686	515,941	135,239	336,517	93,676	1,040,926
Illinois	1,770,938	54,758	1,043,785	151,922	158,118	39,645	56,274	33,882	232,554
Indiana	759,419	10,705	393,413	31,575	76,480	21,661	48,264	35,327	141,994
Michigan	1,455,849	24,210	888,046	27,498	123,467	24,517	125,888	7,542	234,681
Ohio	1,530,915	20,687	940,126	54,952	96,135	18,266	57,487	15,989	327,273
Wisconsin	998,449	82,708	646,147	22,739	61,741	31,150	48,604	936	104,424
West North Central	2,926,740	63,529	2,099,445	72,673	145,954	54,898	109,949	39,445	340,847
Iowa	548,237	9,576	374,693	19,732	29,330	8,266	22,282	4,498	79,860
Kansas	348,751	12,859	217,697	5,636	23,303	2,191	13,987	7,534	65,544
Minnesota	559,585	13,792	407,648	21,757	28,846	13,351	22,815	0	51,376
Missouri	893,013	13,597	724,648	12,225	33,954	18,331	21,714	326	68,218
Nebraska	360,148	4,243	258,523	11,643	14,174	9,691	14,943	16,256	30,675
North Dakota	149,994	6,691	71,750	1,377	14,272	2,850	10,874	9,134	33,046
South Dakota	67,012	2,771	44,486	303	2,075	218	3,334	1,697	12,128
South Atlantic	8,696,543	489,704	4,937,971	398,476	634,890	141,963	373,452	124,507	1,595,580
Delaware	115,751	12,229	30,668	2,809	18,225	3,817	6,394	4,601	37,008
District of Columbia	302,921	628	189,221	40,069	26,376	7,184	21,500	590	17,353
Florida	1,448,634	162,143	777,888	41,503	135,360	47,780	61,463	21,624	200,873
Georgia	1,274,410	30,999	691,951	73,714	66,810	32,080	63,318	5,151	310,387
Maryland	2,357,063	126,447	1,179,290	139,615	215,611	12,551	98,142	48,364	537,043
North Carolina	1,652,049	64,754	1,236,820	50,918	79,444	10,530	72,454	8,292	128,837
South Carolina	486,399	24,388	269,006	7,964	28,695	7,682	19,862	23,482	105,320
Virginia	914,166	60,541	474,003	40,439	57,906	19,700	26,957	11,875	222,745
West Virginia	145,150	7,575	89,124	1,445	6,463	639	3,362	528	36,014

TABLE 18. R&amp;D expenditures at universities and colleges, by geographic division, state, and science and engineering field: FY 2005

(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	2,121,648	58,343	1,406,579	57,386	129,514	51,312	54,844	65,346	298,324
Alabama	589,860	13,973	420,106	14,614	25,565	11,764	10,539	6,255	87,044
Kentucky	452,265	6,073	327,562	10,600	16,832	11,099	9,610	10,931	59,558
Mississippi	353,445	23,899	187,090	14,682	43,649	6,355	8,303	17,123	52,344
Tennessee	726,078	14,398	471,821	17,490	43,468	22,094	26,392	31,037	99,378
West South Central	4,154,673	244,349	2,757,068	163,078	269,656	48,483	100,241	31,640	540,158
Arkansas	209,518	3,816	157,201	2,972	14,615	1,217	5,173	522	24,002
Louisiana	579,734	36,989	393,037	17,968	36,560	2,866	16,805	12,473	63,036
Oklahoma	291,697	34,405	163,311	7,216	20,775	2,319	15,366	5,155	43,150
Texas	3,073,724	169,139	2,043,519	134,922	197,706	42,081	62,897	13,490	409,970
Mountain	2,844,891	331,456	1,349,417	78,484	359,951	54,518	89,291	96,325	485,449
Arizona	720,184	27,270	339,234	22,286	171,951	14,511	33,664	4,036	107,232
Colorado	825,984	192,000	389,802	18,760	82,355	19,189	14,618	6,159	103,101
Idaho	119,871	10,054	60,819	2,507	11,295	157	4,675	11,545	18,819
Montana	170,791	5,640	108,620	2,330	18,602	780	6,827	14,606	13,386
Nevada	178,492	53,957	60,982	2,252	14,619	350	12,881	8,680	24,771
New Mexico	345,844	16,392	138,690	8,741	27,045	11,468	8,629	18,319	116,560
Utah	400,276	15,750	217,385	20,342	29,029	6,807	5,846	11,408	93,709
Wyoming	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
Pacific	8,104,188	635,506	4,877,642	362,312	764,022	102,587	255,113	157,023	949,983
Alaska	153,721	76,009	30,067	10,257	64	150	871	22,858	13,445
California	6,272,890	361,142	3,792,557	295,842	665,470	81,784	194,282	82,381	799,432
Hawaii	240,247	61,131	92,430	19,049	30,003	739	5,757	20,319	10,819
Oregon	536,228	48,952	364,251	29,566	15,181	7,659	17,753	24,542	28,324
Washington	901,102	88,272	598,337	7,598	53,304	12,255	36,450	6,923	97,963
Outlying areas <sup>a</sup>	126,076	8,987	73,798	1,799	14,285	1,787	7,853	7,166	10,401

nec = not elsewhere classified.

<sup>a</sup> 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 2005.

TABLE 19. R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	30,069,991	32,805,014	36,384,500	40,074,699	43,228,773	45,750,413
New England	2,357,803	2,562,238	2,777,776	3,036,952	3,321,575	3,434,909
Connecticut	468,435	498,745	538,070	594,008	648,647	669,199
Maine	57,753	68,034	69,222	75,092	87,353	81,624
Massachusetts	1,486,174	1,578,977	1,697,182	1,821,930	2,000,270	2,079,463
New Hampshire	150,982	196,975	220,061	252,210	277,201	287,472
Rhode Island	129,697	142,625	163,052	187,131	192,326	199,709
Vermont	64,762	76,882	90,189	106,581	115,778	117,442
Middle Atlantic	4,411,832	4,796,978	5,362,569	5,839,681	6,357,121	6,825,175
New Jersey	567,666	628,040	690,642	754,969	806,360	867,121
New York	2,291,749	2,476,008	2,759,167	3,071,340	3,344,738	3,604,414
Pennsylvania	1,552,417	1,692,930	1,912,760	2,013,372	2,206,023	2,353,640
East North Central	4,267,348	4,698,556	5,247,155	5,874,869	6,226,309	6,515,570
Illinois	1,170,743	1,280,955	1,440,716	1,613,691	1,712,879	1,770,938
Indiana	509,141	584,418	650,718	725,752	840,957	759,419
Michigan	1,007,582	1,108,270	1,233,511	1,389,683	1,397,011	1,455,849
Ohio	918,241	996,069	1,116,116	1,268,397	1,319,269	1,530,915
Wisconsin	661,641	728,844	806,094	877,346	956,193	998,449
West North Central	2,012,131	2,214,892	2,406,932	2,617,840	2,776,859	2,926,740
Iowa	418,263	439,810	485,756	498,669	531,770	548,237
Kansas	258,336	268,800	299,728	310,052	332,547	348,751
Minnesota	418,029	469,370	504,398	517,912	535,469	559,585
Missouri	614,028	678,202	705,593	807,075	841,779	893,013
Nebraska	208,480	241,638	266,930	300,540	325,001	360,148
North Dakota	67,406	84,574	106,078	133,615	151,710	149,994
South Dakota	27,589	32,498	38,449	49,977	58,583	67,012
South Atlantic	5,571,614	6,125,015	6,874,667	7,534,416	8,093,039	8,696,543
Delaware	78,126	79,985	88,319	104,650	114,663	115,751
District of Columbia	245,828	228,110	260,819	280,874	303,049	302,921
Florida	851,932	985,628	1,085,764	1,204,592	1,306,810	1,448,634
Georgia	926,749	989,024	1,076,706	1,176,523	1,222,150	1,274,410
Maryland	1,507,549	1,653,636	1,895,260	2,040,624	2,268,454	2,357,063
North Carolina	1,039,812	1,137,248	1,276,823	1,394,545	1,442,854	1,652,049
South Carolina	294,274	361,404	399,982	435,328	455,964	486,399
Virginia	553,924	610,904	693,668	776,067	849,038	914,166
West Virginia	73,420	79,076	97,326	121,213	130,057	145,150
East South Central	1,327,463	1,435,812	1,618,473	1,852,693	2,002,311	2,121,648
Alabama	428,122	448,294	503,470	550,756	572,279	589,860
Kentucky	276,986	298,268	334,208	377,635	424,013	452,265
Mississippi	217,064	260,991	289,521	324,298	347,772	353,445
Tennessee	405,291	428,259	491,274	600,004	658,247	726,078
West South Central	2,831,111	3,085,444	3,434,481	3,757,751	3,904,042	4,154,673
Arkansas	131,868	142,310	140,813	183,908	182,958	209,518
Louisiana	409,143	436,078	476,369	513,976	558,934	579,734
Oklahoma	252,419	255,217	282,062	295,098	283,021	291,697
Texas	2,037,681	2,251,839	2,535,237	2,764,769	2,879,129	3,073,724
Mountain	1,884,285	2,033,640	2,212,687	2,465,462	2,629,330	2,844,891
Arizona	465,777	500,548	531,106	617,978	650,961	720,184
Colorado	544,584	572,950	645,291	694,862	771,819	825,984
Idaho	73,726	82,496	93,323	105,039	116,757	119,871
Montana	99,069	107,744	122,375	141,220	154,726	170,791

TABLE 19. R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	106,154	115,934	126,713	154,515	163,764	178,492
New Mexico	243,822	274,209	292,691	306,636	303,922	345,844
Utah	308,059	338,127	359,556	385,158	407,327	400,276
Wyoming	43,094	41,632	41,632	60,054	60,054	83,449
Pacific	5,324,435	5,776,287	6,360,922	6,993,874	7,804,341	8,104,188
Alaska	108,099	119,199	128,875	142,413	146,465	153,721
California	4,065,130	4,426,612	4,888,858	5,359,158	6,014,815	6,272,890
Hawaii	161,300	156,976	172,664	184,602	241,346	240,247
Oregon	346,149	366,023	386,666	436,958	504,802	536,228
Washington	643,757	707,477	783,859	870,743	896,913	901,102
Outlying areas <sup>a</sup>	81,969	76,152	88,838	101,161	113,846	126,076

<sup>a</sup> 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 2005.



TABLE 20. Federally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	17,536,376	19,229,040	21,857,191	24,749,557	27,619,832	29,167,128
New England	1,619,803	1,761,647	1,974,068	2,199,932	2,492,127	2,556,722
Connecticut	304,155	327,983	375,054	418,136	467,555	477,219
Maine	25,309	25,116	25,830	31,293	38,918	32,239
Massachusetts	1,065,307	1,141,757	1,261,829	1,379,464	1,581,104	1,631,072
New Hampshire	95,290	115,067	138,084	165,497	191,026	200,982
Rhode Island	88,510	101,629	113,841	133,560	133,282	134,067
Vermont	41,232	50,095	59,430	71,982	80,242	81,143
Middle Atlantic	2,769,208	2,987,448	3,436,704	3,822,525	4,246,223	4,537,172
New Jersey	257,445	274,865	316,912	370,107	420,323	463,731
New York	1,475,694	1,564,816	1,775,749	2,008,309	2,230,932	2,402,304
Pennsylvania	1,036,069	1,147,767	1,344,043	1,444,109	1,594,968	1,671,137
East North Central	2,311,023	2,558,991	2,900,920	3,331,981	3,664,133	3,886,105
Illinois	681,074	741,603	838,708	963,582	1,066,317	1,122,675
Indiana	228,768	247,944	276,401	327,720	365,336	380,291
Michigan	553,667	622,049	699,888	792,755	820,716	880,176
Ohio	498,726	560,942	643,198	743,554	848,898	892,144
Wisconsin	348,788	386,453	442,725	504,370	562,866	610,819
West North Central	1,023,213	1,136,070	1,297,182	1,459,912	1,579,975	1,678,299
Iowa	203,437	219,361	257,084	284,091	306,237	316,503
Kansas	105,610	114,732	134,301	157,601	170,548	179,894
Minnesota	233,522	267,938	300,102	298,114	312,782	326,017
Missouri	371,666	409,902	447,795	519,595	543,237	592,887
Nebraska	65,702	76,507	89,322	106,040	129,578	141,899
North Dakota	29,343	30,950	46,418	66,276	81,724	78,337
South Dakota	13,933	16,680	22,160	28,195	35,869	42,762
South Atlantic	3,218,419	3,579,606	4,148,992	4,731,911	5,263,398	5,538,923
Delaware	40,768	44,052	51,002	73,129	80,925	79,769
District of Columbia	186,632	192,314	194,255	219,292	239,752	241,839
Florida	408,826	463,776	559,327	667,688	746,889	792,278
Georgia	417,664	472,863	534,959	639,344	700,306	744,799
Maryland	1,090,445	1,201,774	1,417,058	1,510,688	1,710,143	1,767,353
North Carolina	590,649	655,114	743,236	838,312	933,291	1,011,116
South Carolina	131,171	169,257	183,701	226,288	245,411	239,075
Virginia	318,292	344,930	405,985	482,759	527,199	574,697
West Virginia	33,972	35,526	59,469	74,411	79,482	87,997
East South Central	732,099	858,912	1,012,089	1,173,013	1,259,598	1,363,884
Alabama	275,912	313,644	365,187	409,919	417,000	446,488
Kentucky	98,512	120,529	151,228	172,464	195,032	221,922
Mississippi	117,168	154,848	179,681	207,790	211,346	223,852
Tennessee	240,507	269,891	315,993	382,840	436,220	471,622
West South Central	1,425,575	1,575,506	1,781,348	1,977,590	2,114,841	2,260,570
Arkansas	58,543	64,166	62,269	82,851	94,040	103,142
Louisiana	172,136	181,422	196,783	217,044	235,304	259,895
Oklahoma	93,434	96,349	112,438	127,055	140,434	138,528
Texas	1,101,462	1,233,569	1,409,858	1,550,640	1,645,063	1,759,005
Mountain	1,191,855	1,283,393	1,415,168	1,607,845	1,778,922	1,897,322
Arizona	244,938	265,716	287,052	341,715	376,657	401,975
Colorado	427,768	438,664	484,762	534,716	621,459	645,719
Idaho	28,888	34,347	42,376	55,928	64,623	67,746
Montana	51,686	56,668	65,575	84,991	97,411	113,046

TABLE 20. Federally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	60,005	69,085	85,085	103,532	105,035	124,926
New Mexico	169,914	185,733	195,383	199,607	204,358	236,369
Utah	192,100	213,163	234,918	264,170	286,193	278,190
Wyoming	16,556	20,017	20,017	23,186	23,186	29,351
Pacific	3,197,256	3,432,916	3,827,906	4,372,585	5,135,239	5,351,106
Alaska	49,763	59,273	71,129	78,725	82,681	97,356
California	2,361,804	2,531,342	2,810,136	3,184,852	3,784,422	3,970,397
Hawaii	95,419	97,716	119,381	148,662	191,252	199,135
Oregon	246,684	255,324	273,901	317,704	370,921	392,321
Washington	443,586	489,261	553,359	642,642	705,963	691,897
Outlying areas <sup>a</sup>	47,925	54,551	62,814	72,263	85,376	97,025

<sup>a</sup> 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 2005.

TABLE 21. State and local government-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05

(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	2,199,804	2,319,846	2,504,746	2,644,939	2,877,112	2,939,962
New England	79,755	83,644	85,160	82,544	79,007	80,512
Connecticut	15,539	15,167	8,969	9,306	7,069	7,758
Maine	6,445	8,536	11,151	11,952	10,824	7,642
Massachusetts	40,198	38,184	46,514	43,373	41,699	45,166
New Hampshire	9,747	12,194	7,870	7,709	7,323	6,006
Rhode Island	4,564	5,511	6,293	6,764	7,085	8,778
Vermont	3,262	4,052	4,363	3,440	5,007	5,162
Middle Atlantic	193,280	233,414	277,335	320,422	353,303	393,923
New Jersey	46,071	54,230	62,789	66,712	58,627	57,173
New York	102,753	127,736	136,022	159,693	195,531	220,884
Pennsylvania	44,456	51,448	78,524	94,017	99,145	115,866
East North Central	299,806	315,847	345,502	329,859	403,519	415,339
Illinois	73,042	82,742	92,536	93,468	72,030	66,705
Indiana	34,377	45,456	54,494	51,364	53,998	60,869
Michigan	63,291	66,798	69,484	95,036	83,945	74,906
Ohio	83,520	80,428	78,846	39,511	152,245	167,576
Wisconsin	45,576	40,423	50,142	50,480	41,301	45,283
West North Central	195,950	205,958	211,355	210,214	236,178	247,846
Iowa	56,351	59,668	56,410	51,078	50,647	48,947
Kansas	44,396	45,153	44,698	40,104	46,142	50,021
Minnesota	52,631	58,483	61,380	59,826	50,813	50,836
Missouri	26,387	25,166	27,322	33,606	37,099	41,495
Nebraska	7,243	7,007	9,936	12,014	12,102	12,650
North Dakota	2,417	1,440	2,569	3,760	28,498	31,158
South Dakota	6,525	9,041	9,040	9,826	10,877	12,739
South Atlantic	483,471	479,099	490,440	490,043	585,377	591,583
Delaware	4,142	4,712	4,270	3,745	3,529	5,296
District of Columbia	3,826	3,193	4,106	2,893	3,776	3,635
Florida	103,167	110,244	118,480	118,531	199,642	156,003
Georgia	76,857	78,760	79,163	85,361	83,728	77,701
Maryland	82,069	58,840	57,855	60,819	61,226	67,803
North Carolina	114,283	120,663	117,024	117,139	123,960	147,629
South Carolina	31,705	30,135	26,270	21,673	19,312	32,504
Virginia	64,459	70,081	81,259	76,661	85,427	96,954
West Virginia	2,963	2,471	2,013	3,221	4,777	4,058
East South Central	106,287	132,072	144,152	147,629	168,199	161,629
Alabama	6,052	5,485	7,582	6,765	9,369	8,889
Kentucky	22,129	41,257	45,257	48,960	52,458	52,451
Mississippi	38,833	41,505	41,966	37,397	52,693	36,840
Tennessee	39,273	43,825	49,347	54,507	53,679	63,449
West South Central	382,384	391,579	436,874	539,464	548,486	556,017
Arkansas	35,076	38,437	39,777	55,395	44,931	47,006
Louisiana	77,467	84,454	96,639	104,914	113,615	117,083
Oklahoma	42,396	40,615	40,462	40,582	34,287	37,115
Texas	227,445	228,073	259,996	338,573	355,653	354,813
Mountain	116,483	119,967	127,865	158,234	133,046	134,664
Arizona	15,221	14,269	14,553	39,564	24,650	25,200
Colorado	24,012	21,934	24,385	30,808	14,420	20,962
Idaho	18,545	18,389	21,328	18,749	20,770	25,334
Montana	17,873	19,745	23,118	21,506	21,279	21,119

TABLE 21. State and local government-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05

(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	7,032	10,275	5,925	8,024	11,784	4,263
New Mexico	11,965	11,872	13,803	14,913	13,435	15,380
Utah	20,365	21,445	22,715	22,677	24,715	20,203
Wyoming	1,470	2,038	2,038	1,993	1,993	2,203
Pacific	326,059	352,769	379,340	358,263	359,707	350,727
Alaska	3,551	3,488	3,758	5,036	3,103	2,704
California	236,283	256,063	284,144	283,374	269,503	256,723
Hawaii	35,474	33,125	31,062	11,822	8,815	7,077
Oregon	35,485	41,449	42,027	38,016	37,291	41,583
Washington	15,266	18,644	18,349	20,015	40,995	42,640
Outlying areas <sup>a</sup>	16,329	5,497	6,723	8,267	10,290	7,722

<sup>a</sup> 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 2005.

TABLE 22. Industry-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	2,155,741	2,218,417	2,190,927	2,161,657	2,129,352	2,292,401
New England	187,617	205,188	186,663	181,915	173,120	184,765
Connecticut	28,327	24,282	23,332	27,845	25,306	28,531
Maine	2,994	3,769	4,075	3,385	3,829	3,881
Massachusetts	138,651	156,335	139,160	128,944	122,022	129,193
New Hampshire	9,197	12,140	10,389	11,257	10,812	9,553
Rhode Island	2,735	2,228	2,538	2,995	4,284	6,337
Vermont	5,713	6,434	7,169	7,489	6,867	7,270
Middle Atlantic	295,654	331,545	325,174	311,424	336,195	341,343
New Jersey	29,817	39,539	38,275	37,225	35,277	38,240
New York	106,136	129,384	128,174	132,916	145,522	142,766
Pennsylvania	159,701	162,622	158,725	141,283	155,396	160,337
East North Central	274,510	275,051	263,109	263,709	277,430	331,735
Illinois	56,088	59,183	54,937	49,425	52,814	53,485
Indiana	42,343	41,625	43,339	51,182	55,162	62,805
Michigan	66,955	65,453	63,724	69,052	61,363	65,003
Ohio	87,570	86,121	80,071	73,883	86,202	128,113
Wisconsin	21,554	22,669	21,038	20,167	21,889	22,329
West North Central	138,704	136,544	134,751	124,392	117,368	118,180
Iowa	32,473	34,716	35,462	35,511	29,465	28,543
Kansas	23,410	12,484	13,741	8,200	9,163	9,911
Minnesota	26,889	26,987	27,200	24,748	22,522	27,413
Missouri	33,535	37,930	30,459	26,584	28,942	23,205
Nebraska	17,636	17,782	21,104	22,024	20,921	21,424
North Dakota	4,400	6,242	6,505	6,636	5,622	6,901
South Dakota	361	403	280	689	733	783
South Atlantic	482,459	504,804	511,717	520,189	471,541	554,380
Delaware	3,878	5,041	5,667	3,051	3,059	4,048
District of Columbia	16,286	12,789	17,514	12,272	7,600	13,387
Florida	78,906	72,561	67,194	68,616	71,644	104,674
Georgia	94,341	96,737	95,753	74,034	67,663	69,047
Maryland	50,154	70,653	81,401	96,593	91,431	94,598
North Carolina	172,838	167,883	158,753	183,682	151,840	199,728
South Carolina	15,478	23,006	27,051	22,995	23,366	22,146
Virginia	43,068	49,608	51,573	56,640	50,903	42,897
West Virginia	7,510	6,526	6,811	2,306	4,035	3,855
East South Central	67,011	67,083	59,295	54,765	55,672	65,765
Alabama	19,581	21,738	18,856	15,019	15,851	18,827
Kentucky	17,937	13,999	9,090	8,491	10,446	11,262
Mississippi	10,973	9,843	10,822	9,595	9,485	10,579
Tennessee	18,520	21,503	20,527	21,660	19,890	25,097
West South Central	215,889	225,038	237,262	232,130	210,136	213,019
Arkansas	8,121	7,484	9,106	9,528	10,348	10,886
Louisiana	25,828	25,724	30,451	30,940	22,543	22,221
Oklahoma	16,789	17,382	19,530	17,211	15,017	15,496
Texas	165,151	174,448	178,175	174,451	162,228	164,416
Mountain	106,269	110,146	109,159	123,817	119,804	119,495
Arizona	28,519	29,924	31,455	40,280	38,914	42,370
Colorado	24,096	29,497	33,640	37,265	36,709	33,997
Idaho	5,338	6,683	7,469	6,152	4,852	3,846
Montana	10,298	9,084	7,712	6,909	5,597	3,895

TABLE 22. Industry-financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	5,532	5,078	4,120	5,593	7,036	4,091
New Mexico	11,692	12,297	10,936	15,326	13,819	17,381
Utah	17,853	15,002	11,246	9,798	10,383	12,355
Wyoming	2,941	2,581	2,581	2,494	2,494	1,560
Pacific	382,607	360,566	359,836	343,760	363,482	358,018
Alaska	20,087	29,176	24,002	23,093	16,934	11,356
California	274,481	261,735	263,292	251,040	260,934	268,883
Hawaii	11,158	7,232	9,971	6,931	21,234	12,155
Oregon	14,775	14,489	11,720	10,706	14,373	16,435
Washington	62,106	47,934	50,851	51,990	50,007	49,189
Outlying areas <sup>a</sup>	5,021	2,452	3,961	5,556	4,604	5,701

<sup>a</sup> 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 2005.

TABLE 23. Institutionally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	5,923,919	6,612,817	7,131,363	7,661,370	7,750,810	8,258,292
New England	252,686	267,145	272,273	297,807	326,991	353,164
Connecticut	74,534	76,044	68,711	71,403	82,238	84,850
Maine	20,555	25,536	22,182	24,896	30,645	33,134
Massachusetts	94,145	80,587	89,140	98,306	106,928	118,423
New Hampshire	22,924	43,031	42,231	49,139	47,743	52,026
Rhode Island	30,289	29,609	35,622	37,239	43,061	47,004
Vermont	10,239	12,338	14,387	16,824	16,376	17,727
Middle Atlantic	736,769	815,293	864,945	936,788	965,098	1,057,083
New Jersey	160,412	190,380	205,134	211,923	218,511	237,009
New York	373,726	413,649	452,515	512,711	520,107	550,864
Pennsylvania	202,631	211,264	207,296	212,154	226,480	269,210
East North Central	1,068,058	1,194,081	1,336,214	1,517,298	1,518,721	1,461,049
Illinois	279,787	311,891	357,341	399,539	422,059	420,952
Indiana	178,613	203,717	225,350	236,893	310,642	206,036
Michigan	253,325	278,480	307,336	347,026	353,185	361,597
Ohio	179,704	193,108	228,097	315,644	185,036	231,990
Wisconsin	176,629	206,885	218,090	218,196	247,799	240,474
West North Central	510,534	597,554	624,861	654,190	666,852	702,580
Iowa	104,472	103,688	114,077	114,738	130,679	138,369
Kansas	69,872	74,134	91,401	87,446	93,116	96,088
Minnesota	72,247	81,911	77,464	72,780	72,616	77,253
Missouri	130,262	163,916	161,444	182,510	191,007	189,971
Nebraska	101,159	127,825	129,790	140,401	142,569	166,014
North Dakota	28,651	42,409	46,964	51,377	31,203	30,195
South Dakota	3,871	3,671	3,721	4,938	5,662	4,690
South Atlantic	1,091,568	1,249,542	1,357,173	1,414,622	1,420,058	1,613,984
Delaware	19,562	16,486	18,239	19,840	23,415	22,683
District of Columbia	15,480	4,291	9,929	12,171	16,907	17,009
Florida	220,827	291,649	276,617	284,656	237,317	330,552
Georgia	299,214	297,154	312,874	321,600	334,946	342,894
Maryland	181,039	216,617	243,545	261,658	285,010	289,162
North Carolina	130,577	152,944	209,552	207,365	190,658	231,123
South Carolina	102,793	131,435	144,576	152,311	154,982	180,466
Virginia	97,777	109,537	113,248	116,317	137,512	153,425
West Virginia	24,299	29,429	28,593	38,704	39,311	46,670
East South Central	324,388	296,622	323,171	378,821	414,816	429,430
Alabama	88,167	86,537	91,942	98,258	107,894	96,203
Kentucky	121,470	101,779	98,940	113,143	126,040	127,843
Mississippi	47,025	51,339	53,207	62,619	68,521	76,096
Tennessee	67,726	56,967	79,082	104,801	112,361	129,288
West South Central	534,354	590,539	637,139	662,224	644,169	725,631
Arkansas	22,797	23,291	21,985	26,915	25,291	34,130
Louisiana	101,321	105,146	106,769	123,402	130,092	126,195
Oklahoma	88,152	88,219	93,459	94,350	77,803	87,028
Texas	322,084	373,883	414,926	417,557	410,983	478,278
Mountain	380,415	424,179	457,968	480,726	508,457	561,434
Arizona	158,810	169,472	171,237	171,749	186,762	221,066
Colorado	53,741	57,315	77,073	71,433	78,827	78,429
Idaho	17,505	21,948	21,077	22,683	24,227	11,778
Montana	15,658	20,919	24,212	26,436	29,062	31,258

TABLE 23. Institutionally financed R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	29,040	27,681	28,370	33,435	36,857	40,970
New Mexico	41,740	55,841	64,449	68,935	63,799	70,989
Utah	43,818	54,787	55,334	56,685	59,553	59,891
Wyoming	20,103	16,216	16,216	29,370	29,370	47,053
Pacific	1,013,033	1,165,335	1,244,007	1,305,659	1,274,097	1,340,467
Alaska	34,391	26,612	28,132	32,693	40,699	39,893
California	824,940	954,861	1,029,690	1,080,120	1,081,410	1,133,204
Hawaii	19,249	18,903	12,232	17,171	19,892	21,282
Oregon	32,568	35,864	36,531	46,523	60,774	63,856
Washington	101,885	129,095	137,422	129,152	71,322	82,232
Outlying areas <sup>a</sup>	12,114	12,527	13,612	13,235	11,551	13,470

<sup>a</sup> 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 2005.



TABLE 24. All other sources of financing for R&D expenditures at universities and colleges, by geographic division and state: FY 2000-05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
United States	2,254,151	2,424,894	2,700,273	2,857,176	2,851,667	3,092,630
New England	217,942	244,614	259,612	274,754	250,330	259,746
Connecticut	45,880	55,269	62,004	67,318	66,479	70,841
Maine	2,450	5,077	5,984	3,566	3,137	4,728
Massachusetts	147,873	162,114	160,539	171,843	148,517	155,609
New Hampshire	13,824	14,543	21,487	18,608	20,297	18,905
Rhode Island	3,599	3,648	4,758	6,573	4,614	3,523
Vermont	4,316	3,963	4,840	6,846	7,286	6,140
Middle Atlantic	416,921	429,278	458,411	448,522	456,302	495,654
New Jersey	73,921	69,026	67,532	69,002	73,622	70,968
New York	233,440	240,423	266,707	257,711	252,646	287,596
Pennsylvania	109,560	119,829	124,172	121,809	130,034	137,090
East North Central	313,951	354,586	401,410	432,022	362,506	421,342
Illinois	80,752	85,536	97,194	107,677	99,659	107,121
Indiana	25,040	45,676	51,134	58,593	55,819	49,418
Michigan	70,344	75,490	93,079	85,814	77,802	74,167
Ohio	68,721	75,470	85,904	95,805	46,888	111,092
Wisconsin	69,094	72,414	74,099	84,133	82,338	79,544
West North Central	143,730	138,766	138,783	169,132	176,486	179,835
Iowa	21,530	22,377	22,723	13,251	14,742	15,875
Kansas	15,048	22,297	15,587	16,701	13,578	12,837
Minnesota	32,740	34,051	38,252	62,444	76,736	78,066
Missouri	52,178	41,288	38,573	44,780	41,494	45,455
Nebraska	16,740	12,517	16,778	20,061	19,831	18,161
North Dakota	2,595	3,533	3,622	5,566	4,663	3,403
South Dakota	2,899	2,703	3,248	6,329	5,442	6,038
South Atlantic	295,697	311,964	366,345	377,651	352,665	397,673
Delaware	9,776	9,694	9,141	4,885	3,735	3,955
District of Columbia	23,604	15,523	35,015	34,246	35,014	27,051
Florida	40,206	47,398	64,146	65,101	51,318	65,127
Georgia	38,673	43,510	53,957	56,184	35,507	39,969
Maryland	103,842	105,752	95,401	110,866	120,644	138,147
North Carolina	31,465	40,644	48,258	48,047	43,105	62,453
South Carolina	13,127	7,571	18,384	12,061	12,893	12,208
Virginia	30,328	36,748	41,603	43,690	47,997	46,193
West Virginia	4,676	5,124	440	2,571	2,452	2,570
East South Central	97,678	81,123	79,766	98,465	104,026	100,940
Alabama	38,410	20,890	19,903	20,795	22,165	19,453
Kentucky	16,938	20,704	29,693	34,577	40,037	38,787
Mississippi	3,065	3,456	3,845	6,897	5,727	6,078
Tennessee	39,265	36,073	26,325	36,196	36,097	36,622
West South Central	272,909	302,782	341,858	346,343	386,410	399,436
Arkansas	7,331	8,932	7,676	9,219	8,348	14,354
Louisiana	32,391	39,332	45,727	37,676	57,380	54,340
Oklahoma	11,648	12,652	16,173	15,900	15,480	13,530
Texas	221,539	241,866	272,282	283,548	305,202	317,212
Mountain	89,263	95,955	102,527	94,840	89,101	131,976
Arizona	18,289	21,167	26,809	24,670	23,978	29,573
Colorado	14,967	25,540	25,431	20,640	20,404	46,877
Idaho	3,450	1,129	1,073	1,527	2,285	11,167
Montana	3,554	1,328	1,758	1,378	1,377	1,473

TABLE 24. All other sources of financing for R&D expenditures at universities and colleges, by geographic division and state: FY 2000–05  
(Dollars in thousands)

Division and state	2000	2001	2002	2003	2004	2005
Nevada	4,545	3,815	3,213	3,931	3,052	4,242
New Mexico	8,511	8,466	8,120	7,855	8,511	5,725
Utah	33,923	33,730	35,343	31,828	26,483	29,637
Wyoming	2,024	780	780	3,011	3,011	3,282
Pacific	405,480	464,701	549,833	613,607	671,816	703,870
Alaska	307	650	1,854	2,866	3,048	2,412
California	367,622	422,611	501,596	559,772	618,546	643,683
Hawaii	0	0	18	16	153	598
Oregon	16,637	18,897	22,487	24,009	21,443	22,033
Washington	20,914	22,543	23,878	26,944	28,626	35,144
Outlying areas <sup>a</sup>	580	1,125	1,728	1,840	2,025	2,158

<sup>a</sup> 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 institutional funds.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
United States	45,750,413	29,167,128	2,939,962	2,292,401	8,258,292	3,092,630
Public	30,812,481	17,876,292	2,641,415	1,533,216	6,816,541	1,945,017
Private	14,937,932	11,290,836	298,547	759,185	1,441,751	1,147,613
Alabama	589,860	446,488	8,889	18,827	96,203	19,453
Public	578,366	437,605	8,889	18,827	96,118	16,927
AL A&M U.	16,075	12,005	1,735	135	1,521	679
AL State U.	1,900	1,685	0	5	210	0
Auburn U. all campuses	132,203	51,319	3,094	4,969	67,934	4,887
Jacksonville State U.	1,089	873	206	10	0	0
U. AL, The	34,531	24,393	2,604	1,870	5,610	54
U. AL Birmingham, The	318,536	288,434	11	8,779	11,063	10,249
U. AL Huntsville, The	54,601	42,358	319	2,240	9,684	0
U. South AL	19,431	16,538	920	819	96	1,058
Private	11,494	8,883	0	0	85	2,526
Oakwood C.	528 i	405 i	0 i	0 i	85 i	38 i
Tuskegee U.	10,966	8,478	0	0	0	2,488
Alaska	153,721	97,356	2,704	11,356	39,893	2,412
Public	153,721	97,356	2,704	11,356	39,893	2,412
U. AK Anchorage all campuses	13,594	7,470	1,431	0	2,481	2,212
U. AK Fairbanks all campuses	139,488	89,637	1,168	11,356	37,327	0
U. AK Southeast all campuses	639	249	105	0	85	200
Arizona	720,184	401,975	25,200	42,370	221,066	29,573
Public	720,026	401,903	25,195	42,360	221,027	29,541
AZ State U. main campus	166,923	94,545	17,012	8,473	44,382	2,511
Northern AZ U.	22,870	14,547	3,759	973	3,591	0
U. AZ	530,233	292,811	4,424	32,914	173,054	27,030
Private	158	72	5	10	39	32
Prescott C.	158 i	72 i	5 i	10 i	39 i	32 i
Arkansas	209,518	103,142	47,006	10,886	34,130	14,354
Public	208,968	102,666	47,006	10,886	34,056	14,354
AR State U. main campus	4,035	1,080	2,218	67	627	43
AR Tech U.	299	155 i	29 i	11 i	100 i	4 i
U. AR for Medical Sciences	91,516	59,053	6,319	3,072	14,286	8,786
U. AR Little Rock	4,345	2,681	954	477	233	0
U. AR main campus	98,138	33,496	36,782	7,071	16,012	4,777
U. AR Pine Bluff	6,685	3,933	227	0	2,522	3
U. Central AR	3,950	2,268	477	188	276	741
Private	550	476	0	0	74	0
Hendrix C.	550	476	0	0	74	0
California	6,272,890	3,970,397	256,723	268,883	1,133,204	643,683
Public	4,412,801	2,462,199	243,300	185,596	966,070	555,636
CA State Polytechnic U. Pomona	2,765	2,765	0	0	0	0
CA State Polytechnic U. San Luis Obispo	11,235	5,743	1,973	926	1,270	1,323
CA State U. Bakersfield	6,268	2,040	3,125	1,003	100	0
CA State U. Chico	2,620	1,027	1,375	107	0	111
CA State U. Dominguez Hills	3,088	2,051	451	0	576	10
CA State U. East Bay	3,259	2,122	150	555	432	0
CA State U. Fresno	13,498	4,870	7,290	273	915	150
CA State U. Fullerton	4,167	3,570	106	306	185	0
CA State U. Long Beach	9,594	8,577	146	254	429	188

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
CA State U. Los Angeles	10,130	9,797	75	105	0	153
CA State U. Monterey Bay	4,045	3,821	90	0	0	134
CA State U. Northridge	8,767	5,719	1,806	70	1,157	15
CA State U. San Bernardino	8,905	5,775	959	1,232	855	84
Humboldt State U.	8,078 i	4,033 i	1,153 i	1,180 i	609 i	1,103 i
Naval Postgraduate School	51,343	43,079	903	588	6,422	351
San Diego State U.	73,887	35,328	7,670	655	23,168	7,066
San Francisco State U.	23,655	12,457	3,745	55	3,475	3,923
San Jose State U.	32,886	21,160	6,805	848	963	3,110
Sonoma State U.	650	445	96	0	86	23
U. CA Office of the President	97,245	519	44,359	102	51,788	477
U. CA, Berkeley	554,551	290,960	36,665	24,095	129,320	73,511
U. CA, Davis	546,978	240,003	44,090	25,046	182,789	55,050
U. CA, Irvine	276,763	161,524	10,164	14,944	54,243	35,888
U. CA, Los Angeles	785,625	469,889	16,064	25,333	155,966	118,373
U. CA, Merced	4,468	2,816	649	130	312	561
U. CA, Riverside	122,221	52,919	6,277	4,156	48,077	10,792
U. CA, San Diego	721,035	463,946	18,051	34,259	121,741	83,038
U. CA, San Francisco	754,444	438,988	24,935	34,175	127,647	128,699
U. CA, Santa Barbara	165,014	103,955	2,599	12,483	26,297	19,680
U. CA, Santa Cruz	105,617	62,301	1,529	2,716	27,248	11,823
Private	1,860,089	1,508,198	13,423	83,287	167,134	88,047
CA Institute of Technology	265,364	249,371	1,720	5,982	2,447	5,844
Chapman U.	839	303	0	0	358	178
Charles R. Drew U. of Medicine and Science	43,231	41,207	507	181	1,336	0
Claremont Graduate U.	2,677	1,104	112	26	328	1,107
Fuller Theological Seminary CA	1,174	985	0	0	9	180
Harvey Mudd C.	1,738	767	0	54	690	227
Loma Linda U.	29,898	26,855	13	546	726	1,758
Loyola Marymount U.	621	473	4	0	86	58
Mt. St. Mary's C. (Los Angeles, CA)	570	570	0	0	0	0
Occidental C.	2,109	880	277	944	8	0
Pitzer C.	205	121	0	0	71	13
Point Loma Nazarene C.	261	261	0	0	0	0
Pomona C.	2,153	823	0	0	1,230	100
Santa Clara U.	1,632 i	1,632 i	0 i	0 i	0 i	0 i
Scripps Research Institute, The	338,634	272,969	0	16,479	28,879	20,307
Stanford U.	714,897	574,675	4,570	34,072	44,365	57,215
U. Redlands	1,413	1,237	20	8	0	148
U. San Diego	1,683	1,187	109	115	0	272
U. San Francisco	1,082	545	22	0	123	392
U. Southern CA	445,036	330,126	5,314	23,177	86,419	0
U. of the Pacific	3,750	1,292	755	1,703	0	0
Western U. of Health Sciences	946	639	0	0	59	248
Whittier C.	176 i	176 i	0 i	0 i	0 i	0 i
Colorado	825,984	645,719	20,962	33,997	78,429	46,877
Public	812,666	636,588	20,859	32,527	76,227	46,465
CO School of Mines	26,499	15,501	949	10,049	0	0
CO State U.	236,211	154,245	15,608	10,228	30,078	26,052
CO State U. Pueblo	663	598	52	1	3	9
Ft. Lewis C.	519	204	257	39	19	0
U.S. Air Force Academy	29,438	15,165	0	230	14,043	0
U. CO Boulder	261,429	233,316	1,035	5,392	16,701	4,985
U. CO Colorado Springs	4,349	3,440	28	268	447	166

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
U. CO Denver and Health Sciences Ctr.	251,289	212,610	2,891	6,306	14,392	15,090
U. Northern CO	2,269	1,509	39	14	544	163
Private	13,318	9,131	103	1,470	2,202	412
CO C.	1,452 i	81 i	0 i	337 i	1,034 i	0 i
Regis U.	150 i	33 i	7 i	44 i	29 i	37 i
U. Denver	11,716	9,017	96	1,089	1,139	375
Connecticut	669,199	477,219	7,758	28,531	84,850	70,841
Public	224,125	137,461	7,130	11,134	53,092	15,308
Central CT State U.	812	788	0	17	0	7
Southern CT State U.	2,671	1,666	621	51	333	0
U.S. Coast Guard Academy	660	660	0	0	0	0
U. CT all campuses	219,982	134,347	6,509	11,066	52,759	15,301
Private	445,074	339,758	628	17,397	31,758	55,533
CT C.	634 i	0 i	1 i	12 i	20 i	601 i
Fairfield U.	1,897	263	0	234	1,367	33
Trinity C. (Hartford, CT)	1,215	611	0	17	62	525
U. Hartford	1,360	767	264	14	289	26
U. New Haven	314	235	79	0	0	0
Wesleyan U.	8,036	5,180	162	20	2,136	538
Yale U.	431,618	332,702	122	17,100	27,884	53,810
Delaware	115,751	79,769	5,296	4,048	22,683	3,955
Public	115,751	79,769	5,296	4,048	22,683	3,955
DE State U.	5,412	5,048	239	116	9	0
U. DE	110,339	74,721	5,057	3,932	22,674	3,955
District of Columbia	302,921	241,839	3,635	13,387	17,009	27,051
Public	4,426	2,958	992	0	474	2
U. DC	4,426	2,958	992	0	474	2
Private	298,495	238,881	2,643	13,387	16,535	27,049
American U.	1,542	1,364	0	26	152	0
Catholic U. America, The	21,489	16,252	25	513	4,330	369
Gallaudet U.	2,202	2,138	64	0	0	0
George Washington U.	107,715	78,779	710	4,794	7,769	15,663
Georgetown U.	123,938	100,328	575	7,734	4,284	11,017
Howard U.	41,609	40,020	1,269	320	0	0
Florida	1,448,634	792,278	156,003	104,674	330,552	65,127
Public	1,212,075	622,361	150,668	78,904	319,463	40,679
FL A&M U.	26,400	22,378	3,278	744	0	0
FL Atlantic U.	27,388	15,956	4,957	1,669	2,668	2,138
FL Gulf Coast U.	2,678	1,995	103	0	15	565
FL International U.	76,678	51,328	8,252	2,060	8,898	6,140
FL State U.	172,858	105,747	9,969	1,571	49,507	6,064
New C. FL	259	198	8	0	53	0
U. Central FL	102,702	40,013	11,791	18,746	32,152	0
U. FL	530,734	231,699	87,713	24,420	161,136	25,766
U. North FL	3,448	1,680	1,083	624	61	0
U. South FL	259,218	142,580	22,802	28,863	64,973	0
U. West FL	9,712	8,787	712	207	0	6
Private	236,559	169,917	5,335	25,770	11,089	24,448
Eckerd C.	334 i	327 i	0 i	0 i	0 i	7 i
Embry-Riddle Aeronautical U.	13,325	6,642	662	5,382	600	39
FL Institute of Technology	7,539	5,170	592	986	217	574

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Nova Southeastern U.	5,789	1,719	1,194	0	457	2,419
U. Miami	209,572	156,059	2,887	19,402	9,815	21,409
Georgia	1,274,410	744,799	77,701	69,047	342,894	39,969
Public	870,623	425,055	68,730	51,870	307,572	17,396
Albany State U.	2,091	2,010	81	0	0	0
Ft. Valley State U.	2,497	2,492	1	0	0	4
GA Institute of Technology all campuses	425,386	245,130	11,142	33,117	126,597	9,400
GA Southern U.	2,078	1,716	292	70	0	0
GA State U.	50,262	25,204	4,564	666	17,087	2,741
Kennesaw State U.	477	293	68	18	0	98
Medical C. GA	67,278	41,910	1,783	3,611	16,385	3,589
Savannah State U.	2,421	2,421	0	0	0	0
State U. West GA	1,327	913	200	109	105	0
U. GA	316,806	102,966	50,599	14,279	147,398	1,564
Private	403,787	319,744	8,971	17,177	35,322	22,573
Clark Atlanta U.	12,790	11,346	772	0	352	320
Emory U.	333,665	266,868	6,612	5,831	32,223	22,131
Mercer U. all campuses	20,042	11,235	217	6,916	1,674	0
Morehouse C.	3,559	3,196	0	0	251	112
Morehouse School of Medicine	30,652	24,213	1,370	4,247	822	0
Morris Brown C.	320 i	310 i	0 i	0 i	0 i	10 i
Spelman C.	2,759	2,576	0	183	0	0
Hawaii	240,247	199,135	7,077	12,155	21,282	598
Public	240,247	199,135	7,077	12,155	21,282	598
U. HI Hilo	9,596	8,998	0	0	0	598
U. HI Manoa	230,651	190,137	7,077	12,155	21,282	0
Idaho	119,871	67,746	25,334	3,846	11,778	11,167
Public	119,871	67,746	25,334	3,846	11,778	11,167
Boise State U.	9,162	8,447	423	0	0	292
ID State U.	19,700	12,087	1,683	2,115	3,378	437
U. ID	91,009	47,212	23,228	1,731	8,400	10,438
Illinois	1,770,938	1,122,675	66,705	53,485	420,952	107,121
Public	917,746	520,728	54,153	26,606	278,818	37,441
Chicago State U.	1,832	1,724	0	0	108	0
Eastern IL U.	303 i	294 i	0 i	0 i	0 i	9 i
Governors State U.	237	134	40	0	24	39
IL State U.	5,203	3,152	372	657	1,022	0
Northeastern IL U.	227	65	4	67	59	32
Northern IL U.	11,239	7,897	79	1,513	1,750	0
Southern IL U. Carbondale	57,434	16,975	6,275	5,657	25,554	2,973
Southern IL U. Edwardsville	20,883	1,043	816	327	18,639	58
U. IL Chicago	318,279	198,163	9,492	7,033	82,751	20,840
U. IL Springfield	1,208	850	54	0	190	114
U. IL Urbana-Champaign	499,711	289,985	36,391	11,348	148,624	13,363
Western IL U.	1,190	446	630	4	97	13
Private	853,192	601,947	12,552	26,879	142,134	69,680
Augustana C. (Rock Island, IL)	300	203	0	0	97	0
Bradley U.	1,606	346	0	833	427	0
DePaul U.	4,321	3,776	101	172	272	0
IL Institute of Technology	25,498	16,493	4,868	0	993	3,144
IL Wesleyan U.	322	150	11	15	71	75
Lake Forest C.	242	133	0	11	98	0

TABLE 25. R&amp;D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Loyola U. Chicago	40,551	30,584	1,172	1,096	4,029	3,670
Midwestern U. (Chicago, IL)	3,204	1,298	0	212	1,545	149
National U. of Health Sciences	323	48	0	0	218	57
Northwestern U.	387,242	244,113	1,234	8,649	95,689	37,557
Rosalind Franklin U. of Medicine and Science	11,920	9,974	0	258	1,149	539
Rush U.	83,693	49,150	2	11,814	20,313	2,414
U. Chicago	293,970	245,679	5,164	3,819	17,233	22,075
Indiana	759,419	380,291	60,869	62,805	206,036	49,418
Public	682,086	327,683	58,380	55,511	195,168	45,344
Ball State U.	8,490	5,260	491	429	2,308	2
IN State U. all campuses	1,473	544	222	707	0	0
IN U. all campuses	307,137	171,528	4,911	7,804	78,290	44,604
Purdue U. all campuses	364,986	150,351	52,756	46,571	114,570	738
Private	77,333	52,608	2,489	7,294	10,868	4,074
DePauw U.	201	201	0	0	0	0
Rose-Hulman Institute of Technology	4,914	741	34	98	0	4,041
U. of Notre Dame	71,266	51,072	2,443	7,196	10,555	0
Valparaiso U.	488	372	12	0	104	0
Wabash C.	464	222	0	0	209	33
Iowa	548,237	316,503	48,947	28,543	138,369	15,875
Public	545,042	314,928	48,937	28,153	137,253	15,771
IA State U.	209,545	98,005	39,418	11,196	57,235	3,691
U. IA	334,144	216,354	9,378	16,957	79,410	12,045
U. Northern IA	1,353	569	141	0	608	35
Private	3,195	1,575	10	390	1,116	104
Des Moines U. Osteopathic Medical Ctr.	723	82	0	37	591	13
Drake U.	901	398	5	353	145	0
Grinnell C.	1,079	603	5	0	380	91
Maharishi U. of Management	492	492	0	0	0	0
Kansas	348,751	179,894	50,021	9,911	96,088	12,837
Public	348,751	179,894	50,021	9,911	96,088	12,837
KS State U.	123,398	58,821	35,130	2,851	22,193	4,403
Pittsburg State U.	2,522	716	594	927	1	284
U. KS all campuses	190,105	110,768	4,615	3,027	63,698	7,997
Wichita State U.	32,726	9,589	9,682	3,106	10,196	153
Kentucky	452,265	221,922	52,451	11,262	127,843	38,787
Public	452,265	221,922	52,451	11,262	127,843	38,787
Eastern KY U.	486	294	81	31	80	0
KY State U.	3,044	3,044	0	0	0	0
Morehead State U.	2,254	1,693	0	58	493	10
Murray State U.	3,506	1,310	1,162	75	959	0
Northern KY U.	1,368	768	92	0	387	121
U. KY all campuses	306,653	142,794	42,058	8,194	91,287	22,320
U. Louisville	128,347	67,104	8,451	2,449	34,007	16,336
Western KY U.	6,607	4,915	607	455	630	0
Louisiana	579,734	259,895	117,083	22,221	126,195	54,340
Public	433,520	159,030	109,681	15,202	109,332	40,275
Grambling State U.	1,784	1,461	323	0	0	0
LA State U. and A&M C.	236,729	60,288	80,414	8,735	70,942	16,350
LA State U. Health Sciences Ctr.	93,595	54,108	10,911	1,069	15,111	12,396
LA State U. Shreveport	173	86	16	3	3	65

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
LA Tech U.	15,832	5,336	1,459	418	8,553	66
McNeese State U.	614	382	69	0	156	7
Nicholls State U.	1,475	674	151	59	330	261
Southeastern LA U.	1,714	1,276	266	92	80	0
Southern U. and A&M C. all campuses	4,545 i	3,783 i	677 i	0 i	70 i	15 i
Southern U. New Orleans	584 i	584 i	0 i	0 i	0 i	0 i
U. LA Lafayette	44,620	16,159	6,952	0	11,187	10,322
U. LA Monroe	5,524	1,051	3,740	37	50	646
U. New Orleans	26,331	13,842	4,703	4,789	2,850	147
Private	146,214	100,865	7,402	7,019	16,863	14,065
Dillard U.	716 i	362 i	324 i	0 i	26 i	4 i
Loyola U. New Orleans	567	367	90	0	110	0
Tulane U.	138,959	94,628	6,651	7,019	16,727	13,934
Xavier U. LA	5,972 i	5,508 i	337 i	0 i	0 i	127 i
Maine	81,624	32,239	7,642	3,881	33,134	4,728
Public	77,052	29,140	7,636	3,843	32,313	4,120
U. ME	75,066	28,951	6,806	3,843	31,482	3,984
U. Southern ME	1,986 i	189 i	830 i	0 i	831 i	136 i
Private	4,572	3,099	6	38	821	608
Bates C.	1,077	794	0	15	160	108
Bowdoin C.	2,254	1,444	0	23	433	354
Colby C.	1,241	861	6	0	228	146
Maryland	2,357,063	1,767,353	67,803	94,598	289,162	138,147
Public	911,384	489,510	62,447	71,039	222,578	65,810
Bowie State U.	2,033	2,033	0	0	0	0
Morgan State U.	9,544	8,126	345	267	645	161
St. Mary's C. MD	459	306	135	0	0	18
Towson U.	2,041	1,571	365	65	40	0
Uniformed Services U. of the Health Sciences	78,694	50,016	0	0	24,947	3,731
U.S. Naval Academy	6,623	5,987	0	590	46	0
U. Baltimore	7,754	2,255	4,510	326	200	463
U. MD Baltimore	304,396	129,270	29,766	57,806	45,984	41,570
U. MD Baltimore County	58,467	43,377	5,457	1,220	4,746	3,667
U. MD Biotechnology Institute	56,135	31,276	454	660	21,766	1,979
U. MD Ctr. for Environmental Science	41,022	13,853	5,553	232	17,213	4,171
U. MD College Park	338,648	196,008	15,758	9,841	106,991	10,050
U. MD Eastern Shore	5,568	5,432	104	32	0	0
Private	1,445,679	1,277,843	5,356	23,559	66,584	72,337
Goucher C.	158 i	0 i	8 i	21 i	71 i	58 i
Johns Hopkins U., The <sup>a</sup>	1,443,792	1,277,292	4,627	23,446	66,148	72,279
Loyola C.	1,729	551	721	92	365	0
Massachusetts	2,079,463	1,631,072	45,166	129,193	118,423	155,609
Public	365,679	231,643	38,840	18,749	55,887	20,560
Bridgewater State C.	230	95	46	0	72	17
Fitchburg State C.	161	161	0	0	0	0
U. MA Amherst	127,487	66,921	3,873	4,724	42,887	9,082
U. MA Boston	18,148	6,326	2,481	0	6,731	2,610
U. MA Dartmouth	19,452	9,852	5,039	1,252	3,305	4
U. MA Lowell	23,852	17,608	180	4,755	1,309	0
U. MA Worcester	176,349	130,680	27,221	8,018	1,583	8,847
Private	1,713,784	1,399,429	6,326	110,444	62,536	135,049



TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Amherst C.	2,725	1,270	0	91	968	396
Boston C.	31,588	17,801	464	1,713	4,756	6,854
Boston U.	246,520	228,842	320	8,592	0	8,766
Brandeis U.	54,136	39,788	71	0	4,398	9,879
Clark U.	4,480	2,611	56	0	1,289	524
C. of the Holy Cross	505	312	0	29	5	159
Hampshire C.	2,723	1,110	0	0	0	1,613
Harvard U.	447,196	395,906	2,144	9,132	0	40,014
MA C. of Pharmacy and Health Sciences	489 i	285 i	0 i	49 i	16 i	139 i
MA Institute of Technology	580,742	457,235	121	72,121	11,100	40,165
Mt. Holyoke C.	3,179	1,869	56	0	237	1,017
New England C. of Optometry	1,870	1,474	0	121	208	67
Northeastern U.	63,514	36,524	1,389	8,424	17,177	0
Simmons C.	433	108	0	61	0	264
Smith C.	2,749	1,757	0	0	0	992
Tufts U.	131,028	98,200	903	8,149	8,641	15,135
Wellesley C.	4,252	2,429	208	34	0	1,581
Williams C.	3,459	1,737	0	0	862	860
Woods Hole Oceanographic Institution	117,517	100,747	399	146	10,109	6,116
Worcester Polytechnic Institute	14,679	9,424	195	1,782	2,770	508
Michigan	1,455,849	880,176	74,906	65,003	361,597	74,167
Public	1,447,716	876,693	73,904	64,162	359,957	73,000
Central MI U.	4,938	3,086	288	450	1,114	0
Eastern MI U.	5,910	4,156	79	152	900	623
Grand Valley State U.	3,354	534	489	0	1,903	428
MI State U.	333,735	156,461	44,588	9,393	108,341	14,952
MI Technological U.	40,188	19,760	361	4,248	15,222	597
Oakland U.	6,505	5,599	212	533	0	161
Saginaw Valley State U.	350	13	0	0	118	219
U. MI all campuses	808,887	554,516	11,887	34,191	165,901	42,392
Wayne State U.	226,331	120,581	15,860	12,979	64,032	12,879
Western MI U.	17,518	11,987	140	2,216	2,426	749
Private	8,133	3,483	1,002	841	1,640	1,167
Andrews U.	533	122	9	69	185	148
Calvin C.	1,857	714	114	142	887	0
Hope C.	2,060	1,181	0	0	200	679
Kalamazoo C.	422	244	0	0	108	70
Kettering U.	1,758	701	523	267	104	163
Lawrence Technological U.	917	354	356	187	20	0
U. Detroit Mercy	586 i	167 i	0 i	176 i	136 i	107 i
Minnesota	559,585	326,017	50,836	27,413	77,253	78,066
Public	552,079	320,836	50,825	27,291	75,378	77,749
MN State U. Mankato	549	48	377	2	30	92
St. Cloud State U.	2,657	1,017	64	856	720	0
U. MN all campuses	548,873	319,771	50,384	26,433	74,628	77,657
Private	7,506	5,181	11	122	1,875	317
Augsburg C.	606	606	0	0	0	0
Carleton C.	3,365	2,896	0	38	407	24
Gustavus Adolphus C.	487	368	0	69	50	0
Macalester C.	2,081	739	0	0	1,310	32
St. Olaf C.	643	390	0	0	0	253
U. of St. Thomas (St. Paul, MN)	324	182	11	15	108	8
Mississippi	353,445	223,852	36,840	10,579	76,096	6,078

TABLE 25. R&amp;D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Public	352,357	223,483	36,824	10,557	75,469	6,024
Alcorn State U.	6,256	5,396	860	0	0	0
Jackson State U.	35,876	30,472	0	264	5,140	0
MS State U.	179,825	84,465	31,742	7,595	56,023	0
MS Valley State U.	606	606	0	0	0	0
U. MS all campuses	91,913	67,603	3,722	1,053	13,831	5,704
U. Southern MS	37,881	34,941	500	1,645	475	320
Private	1,088	369	16	22	627	54
Millsaps C.	150 i	0 i	16 i	22 i	62 i	50 i
Tougaloo C.	938 i	369 i	0 i	0 i	565 i	4 i
Missouri	893,013	592,887	41,495	23,205	189,971	45,455
Public	311,661	146,868	27,956	8,651	119,065	9,121
Lincoln U. (Jefferson City, MO)	2,656	2,093	563	0	0	0
Southeast MO State U.	223	182	7	4	30	0
Southwest MO State U.	6,367	5,166	746	261	194	0
Truman State U.	524	187	18	16	303	0
U. MO-Columbia	220,718	96,038	26,396	3,918	89,543	4,823
U. MO-Kansas City	30,780	16,960	0	528	11,737	1,555
U. MO-Rolla	38,337	21,772	171	3,704	10,775	1,915
U. MO-St. Louis	12,056	4,470	55	220	6,483	828
Private	581,352	446,019	13,539	14,554	70,906	36,334
A.T. Still U. of Health Sciences	1,206	344	0	0	221	641
Kansas City U. of Medicine and Biosciences	944	219	0	4	685	36
St. Louis U. all campuses	47,356	44,757	273	482	28	1,816
Washington U. St. Louis	531,846	400,699	13,266	14,068	69,972	33,841
Montana	170,791	113,046	21,119	3,895	31,258	1,473
Public	170,791	113,046	21,119	3,895	31,258	1,473
MT State U. Billings	694 i	694 i	0 i	0 i	0 i	0 i
MT State U. Bozeman	109,465	71,604	17,632	3,016	17,213	0
MT Tech of the U. MT	5,947	4,315	1,524	108	0	0
U. MT, The	54,685	36,433	1,963	771	14,045	1,473
Nebraska	360,148	141,899	12,650	21,424	166,014	18,161
Public	333,126	129,216	10,202	12,636	163,072	18,000
U. NE Kearney	597	20	479	1	78	19
U. NE Lincoln	200,287	74,660	3,615	5,278	112,460	4,274
U. NE Omaha	8,979	5,254	49	123	3,502	51
U. NE Medical Ctr.	123,263	49,282	6,059	7,234	47,032	13,656
Private	27,022	12,683	2,448	8,788	2,942	161
Creighton U.	27,022	12,683	2,448	8,788	2,942	161
Nevada	178,492	124,926	4,263	4,091	40,970	4,242
Public	178,492	124,926	4,263	4,091	40,970	4,242
Desert Research Institute	34,570	28,655	725	1,169	1,115	2,906
U. NV, Las Vegas	48,343	35,942	1,254	1,555	9,592	0
U. NV, Reno	95,579	60,329	2,284	1,367	30,263	1,336
New Hampshire	287,472	200,982	6,006	9,553	52,026	18,905
Public	108,378	78,653	1,956	5,603	18,580	3,586
U. NH	108,378	78,653	1,956	5,603	18,580	3,586
Private	179,094	122,329	4,050	3,950	33,446	15,319
Dartmouth C.	179,094	122,329	4,050	3,950	33,446	15,319
New Jersey	867,121	463,731	57,173	38,240	237,009	70,968

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Public	636,451	322,120	53,397	28,524	173,504	58,906
C. NJ, The	3,047 i	549 i	824 i	0 i	1,667 i	7 i
Montclair State U.	1,511	1,018	106	0	363	24
NJ City U.	720	650	0	0	70	0
NJ Institute of Technology	76,920	35,716	4,581	786	29,352	6,485
Rowan U.	4,944	3,339	1,294	232	79	0
Rutgers, The State U. NJ all campuses	309,531	137,609	35,411	8,034	100,217	28,260
U. of Medicine and Dentistry NJ	239,778	143,239	11,181	19,472	41,756	24,130
Private	230,670	141,611	3,776	9,716	63,505	12,062
Monmouth U.	779	779	0	0	0	0
Princeton U.	202,380	120,042	1,883	6,539	62,466	11,450
Rider U.	1,096	308	7	25	589	167
Seton Hall U.	3,418	1,856	528	589	0	445
Stevens Institute of Technology	22,997	18,626	1,358	2,563	450	0
New Mexico	345,844	236,369	15,380	17,381	70,989	5,725
Public	345,844	236,369	15,380	17,381	70,989	5,725
NM Highlands U.	1,202	930	0	0	0	272
NM Institute of Mining and Technology	40,512 i	14,635 i	4,290 i	11,303 i	8,876 i	1,408 i
NM State U. all campuses	125,427	91,247	9,627	1,253	20,666	2,634
U. NM all campuses	178,703	129,557	1,463	4,825	41,447	1,411
New York	3,604,414	2,402,304	220,884	142,766	550,864	287,596
Public	940,647	515,764	111,039	37,992	201,796	74,056
CUNY Baruch C.	896	184	490	34	188	0
CUNY Brooklyn C.	3,731	2,694	48	223	320	446
CUNY C. Staten Island	2,577	1,646	127	454	350	0
CUNY Graduate Ctr.	5,943	3,297	95	0	26	2,525
CUNY Herbert H. Lehman C.	4,019	3,711	20	152	136	0
CUNY Hunter C.	33,024	18,544	3,613	92	7,384	3,391
CUNY John Jay C. of Criminal Justice	932	516	142	125	0	149
CUNY Medgar Evers C.	707	701	0	0	6	0
CUNY Queens C.	6,876	5,443	78	768	587	0
CUNY The City C.	27,471	22,289	1,988	2,852	342	0
CUNY York C.	1,513	1,448	0	15	50	0
SUNY Albany	259,708	103,941	84,996	10,693	43,590	16,488
SUNY Binghamton	25,769	10,494	1,201	2,658	6,796	4,620
SUNY Buffalo all campuses	267,271	151,890	10,869	11,045	67,058	26,409
SUNY C. Brockport	659	436	55	0	146	22
SUNY C. Buffalo	1,977	1,335	23	26	0	593
SUNY C. Cortland	563	386	0	0	171	6
SUNY C. Geneseo	951	842	3	0	71	35
SUNY C. of Environmental Science and Forestry	12,054	7,821	1,092	1,066	787	1,288
SUNY C. of Optometry	2,481	1,979	0	64	111	327
SUNY C. Old Westbury	1,565	1,422	105	0	33	5
SUNY C. Oswego	1,010	839	27	3	141	0
SUNY C. Plattsburgh	1,823	1,351	131	35	219	87
SUNY Fredonia	175	33	13	0	82	47
SUNY Health Science Ctr. Brooklyn	29,732	23,466	5	1,432	2,562	2,267
SUNY Stony Brook all campuses	212,289	125,781	4,799	4,640	67,621	9,448
SUNY Upstate Medical U.	34,931	23,275	1,119	1,615	3,019	5,903
Private	2,663,767	1,886,540	109,845	104,774	349,068	213,540
Albany C. of Pharmacy	2,565	351	1,130	949	135	0
Albany Medical C.	15,465	11,525	309	178	2,386	1,067
Alfred U. all campuses	8,239	2,454	2,274	2,070	1,441	0

TABLE 25. R&amp;D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Bard C.	173 i	173 i	0 i	0 i	0 i	0 i
Barnard C.	3,068	2,342	0	718	8	0
Canisius C.	1,106 i	1,106 i	0 i	0 i	0 i	0 i
Clarkson U.	13,826	6,890	1,155	2,251	3,530	0
Colgate U.	1,308	696	0	0	540	72
Columbia U. in the City of NY	535,424	453,188	5,893	8,446	33,263	34,634
Cooper Union	173	0	0	89	0	84
Cornell U. all campuses	606,804	365,694	62,054	22,894	108,049	48,113
Fordham U.	3,413	1,383	613	0	214	1,203
Hamilton C. (Clinton, NY)	1,742	1,138	2	120	289	193
Hofstra U.	846 i	524 i	0 i	129 i	0 i	193 i
Ithaca C.	1,814	1,558	0	0	256	0
Long Island U. all campuses	1,684	1,227	56	185	184	32
Manhattan C.	505	312	143 e	50 e	0	0
Marist C.	520 i	520 i	0 i	0 i	0 i	0 i
Mt. Sinai School of Medicine	225,293	191,326	3,255	9,195	8,548	12,969
New School, The	5,889	2,960	0	0	0	2,929
NY Institute of Technology all campuses	3,505	230	408	66	2,801	0
NY Medical C.	32,460	25,242	105	6,626	177	310
NY U.	276,198	191,782	3,129	2,692	33,365	45,230
Pace U. all campuses	1,053	958	0	0	0	95
Polytechnic U.	15,295	8,623	2,021	2,680	1,014	957
Rensselaer Polytechnic Institute	65,571	42,338	7,640	4,253	9,951	1,389
Rochester Institute of Technology	21,068	11,620	463	1,874	5,832	1,279
Rockefeller U.	198,719	85,552	502	3,140	73,166	36,359
Skidmore C.	1,138	741	0	322	75	0
St. John's U. (Jamaica, NY)	1,702	1,372	0	71	0	259
Syracuse U. all campuses	62,020	46,945	6,264	1,399	4,272	3,140
Teachers C. Columbia U.	10,669	6,187	0	0	0	4,482
Union C. (Schenectady, NY)	2,571	657	9	932	462	511
U. Rochester	345,337	257,497	12,395	31,094	26,444	17,907
Vassar C.	960 i	535	25 i	161 i	106 i	133 i
Yeshiva U.	195,644	160,894	0	2,190	32,560	0
North Carolina	1,652,049	1,011,116	147,629	199,728	231,123	62,453
Public	833,020	489,875	117,463	50,180	165,819	9,683
Appalachian State U.	1,076	503	200	135	166	72
East Carolina U.	14,240	10,967	1,159	832	81	1,201
Elizabeth City State U.	929	888	41	0	0	0
Fayetteville State U.	821	711	0	0	0	110
NC Agricultural and Technical State U.	22,936	16,348	375	329	5,884	0
NC Central U.	1,174 i	1,066 i	0 i	0 i	0 i	108 i
NC State U.	302,596	109,128	92,125	38,710	59,782	2,851
U. NC Asheville	3,021	1,658	496	174	86	607
U. NC Chapel Hill	441,033	320,294	20,846	6,678	93,215	0
U. NC Charlotte	16,042	10,362	542	2,960	1,826	352
U. NC Greensboro	4,843	3,876	71	324	279	293
U. NC Wilmington	20,617	10,665	1,325	38	4,500	4,089
Western Carolina U.	1,516	1,233	283	0	0	0
Winston-Salem State U.	2,176 i	2,176 i	0 i	0 i	0 i	0 i
Private	819,029	521,241	30,166	149,548	65,304	52,770
Davidson C.	1,261 i	1,261 i	0 i	0 i	0 i	0 i
Duke U.	630,752	376,568	19,716	134,608	60,386	39,474
Shaw U.	1,864	1,727	5	0	0	132
Wake Forest U.	185,152	141,685	10,445	14,940	4,918	13,164

TABLE 25. R&amp;D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
North Dakota	149,994	78,337	31,158	6,901	30,195	3,403
Public	149,994	78,337	31,158	6,901	30,195	3,403
Mayville State U.	185	185	0	0	0	0
ND State U. all campuses	103,011	46,060	28,152	1,236	24,764	2,799
U. ND all campuses	46,798	32,092	3,006	5,665	5,431	604
Ohio	1,530,915	892,144	167,576	128,113	231,990	111,092
Public	1,136,820	618,668	142,503	104,802	228,766	42,081
Air Force Institute of Technology	14,666	4,934	30	31	9,671	0
Bowling Green State U. all campuses	9,746	6,418	178	102	2,200	848
Central State U.	1,579	1,579	0	0	0	0
Cleveland State U.	15,884	7,206	3,704	318	3,803	853
Kent State U. all campuses	11,045	7,619	775	879	1,772	0
Medical U. OH	21,034	14,756	785	345	4,085	1,063
Miami U. all campuses	18,026	8,014	1,290	632	7,500	590
Northeastern OH Universities C. of Medicine	5,703	3,267	227	84	1,723	402
OH State U. all campuses	608,923	294,053	116,747	81,423	96,279	20,421
OH U. all campuses	43,229	20,736	1,867	4,345	14,862	1,419
U. Akron all campuses	26,888	10,246	551	3,408	9,126	3,557
U. Cincinnati all campuses	286,036	202,654	13,041	8,220	51,345	10,776
U. Toledo	32,351	15,521	804	1,050	13,478	1,498
Wright State U. all campuses	40,328	20,527	2,410	3,871	12,866	654
Youngstown State U.	1,382	1,138	94	94	56	0
Private	394,095	273,476	25,073	23,311	3,224	69,011
Case Western Reserve U.	323,618	212,485	22,926	18,646	1,179	68,382
C. Wooster	570	467	0 i	0 i	0 i	103 i
Denison U.	438 i	231 i	0 i	0 i	63 i	144 i
John Carroll U.	506	345	81	80	0	0
Oberlin C.	1,059	841	0	154	64	0
OH Wesleyan U.	459	325	0	0	134	0
U. Dayton	67,445	58,782	2,066	4,431	1,784	382
Oklahoma	291,697	138,528	37,115	15,496	87,028	13,530
Public	278,957	129,559	36,622	13,221	86,025	13,530
Langston U.	4,371	3,848	523	0	0	0
Northeastern State U.	786	625	123	0	38	0
OK State U. all campuses	99,436	36,637	24,361	5,300	32,833	305
Southeastern OK State U.	485	475	10	0	0	0
U. Central OK	216	198	18	0	0	0
U. OK all campuses	173,663	87,776	11,587	7,921	53,154	13,225
Private	12,740	8,969	493	2,275	1,003	0
U. Tulsa	12,740	8,969	493	2,275	1,003	0
Oregon	536,228	392,321	41,583	16,435	63,856	22,033
Public	533,460	391,169	41,503	16,116	63,326	21,346
Eastern OR U.	834	594	88	0	152	0
OR Health & Science U.	266,687	217,145	4,042	11,108	21,230	13,162
OR Institute of Technology	3,018	1,517	60	1,441	0	0
OR State U.	180,309	109,030	35,264	2,175	31,093	2,747
Portland State U.	28,940	18,580	1,630	756	5,838	2,136
Southern OR U.	1,015	739	33	64	144	35
U. OR	52,657	43,564	386	572	4,869	3,266
Private	2,768	1,152	80	319	530	687
Lewis and Clark C.	479	102	0	0	112	265

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Pacific U.	421	47	45	319	10	0
Reed C.	1,237	774	0	0	277	186
U. Portland	477	178	35	0	28	236
Willamette U.	154	51	0	0	103	0
Pennsylvania	2,353,640	1,671,137	115,866	160,337	269,210	137,090
Public	1,221,436	834,213	82,072	97,807	172,738	34,606
Indiana U. PA all campuses	684	513	54	10	84	23
Lincoln U. (Lincoln University, PA)	526	526	0	0	0	0
PA State U. all campuses	625,764	358,569	59,669	87,928	118,063	1,535
Temple U.	83,062	53,987	4,954	5,331	11,160	7,630
U. Pittsburgh all campuses	510,943	420,281	17,322	4,514	43,431	25,395
West Chester U. PA	457	337	73	24	0	23
Private	1,132,204	836,924	33,794	62,530	96,472	102,484
Allegheny C.	751	315	43	0	165	228
Arcadia U.	324	324	0	0	0	0
Bryn Mawr C.	4,400	966	0	0	3,434	0
Bucknell U.	1,820	721	1	518	545	35
Carnegie Mellon U.	200,297	173,902	5,086	12,819	4,208	4,282
Dickinson C.	1,163	212	324	72	261	294
Drexel U.	88,049	62,606	3,903	2,058	15,721	3,761
Duquesne U.	8,096	3,717	115	38	3,970	256
Franklin & Marshall C.	2,225	1,277	101	0	471	376
Gettysburg C.	688	536	5	56	91	0
Haverford C.	1,259	857	0	0	132	270
Juniata C.	721	537	4	104	67	9
Lafayette C.	1,610	1,019	9	0	582	0
Lehigh U.	36,709	21,061	9,800	1,764	3,726	358
Muhlenberg C.	230	202	0	25	3	0
PA C. of Optometry	1,149	1,060	48	0	0	41
Philadelphia C. of Osteopathic Medicine	973	973	0	0	0	0
Philadelphia U.	227	227	0	0	0	0
St. Francis U. (Loretto, PA)	4,981	4,981	0	0	0	0
St. Joseph's U.	3,195	2,596	104	0	104	391
Swarthmore C.	1,992	1,194	12	0	499	287
Thomas Jefferson U.	107,388	86,171	7,572	9,018	1,719	2,908
U. PA	654,982	465,284	6,320	34,483	60,634	88,261
U. Scranton	1,369	1,016	20	193	140	0
U. of the Sciences Philadelphia	704	249	11	444	0	0
Villanova U.	6,902	4,921	316	938	0	727
Rhode Island	199,709	134,067	8,778	6,337	47,004	3,523
Public	60,252	42,132	8,660	3,526	5,934	0
U. RI	60,252	42,132	8,660	3,526	5,934	0
Private	139,457	91,935	118	2,811	41,070	3,523
Brown U.	138,262	90,857	118	2,717	41,047	3,523
Providence C.	346	306	0	17	23	0
Roger Williams U. Bristol	849	772	0	77	0	0
South Carolina	486,399	239,075	32,504	22,146	180,466	12,208
Public	482,933	236,182	32,419	22,146	180,466	11,720
Clemson U.	175,127	56,829	28,859	11,731	75,343	2,365
Coastal Carolina U.	656	453	30	5	152	16
C. Charleston	4,433	3,022	75	9	1,234	93
Medical U. SC	176,709	108,196	1,695	8,547	54,160	4,111

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
SC State U.	3,796	2,587	33	0	364	812
U. SC all campuses	122,212	65,095	1,727	1,854	49,213	4,323
Private	3,466	2,893	85	0	0	488
Benedict C.	1,494	1,399	85	0	0	10
Clafflin U.	222	222	0	0	0	0
Furman U.	1,477	999	0	0	0	478
Voorhees C.	273 i	273 i	0 i	0 i	0 i	0 i
South Dakota	67,012	42,762	12,739	783	4,690	6,038
Public	65,636	41,559	12,739	783	4,517	6,038
Black Hills State U.	1,566	1,445	75	12	34	0
SD School of Mines and Technology	13,347	10,752	889	119	1,474	113
SD State U.	32,042	13,914	10,615	652	2,251	4,610
U. SD	18,681	15,448	1,160	0	758	1,315
Private	1,376	1,203	0	0	173	0
Augustana C. (Sioux Falls, SD)	644	591	0	0	53	0
Sinte Gleska U.	732	612	0	0	120	0
Tennessee	726,078	471,622	63,449	25,097	129,288	36,622
Public	339,905	156,189	63,395	19,050	78,296	22,975
East TN State U.	8,098	5,015	1,561	0	175	1,347
Middle TN State U.	2,166	1,084	57	42	946	37
TN State U.	14,669	10,446	180	84	3,936	23
TN Technological U.	9,312	3,515	3,757	362	1,578	100
U. Memphis, The	49,961	15,125	3,416	2,959	25,843	2,618
U. TN Chattanooga	9,954	2,383	881	1,548	2,700	2,442
U. TN Martin	2,077	31	57	2	1,950	37
U. TN system office	243,668	118,590	53,486	14,053	41,168	16,371
Private	386,173	315,433	54	6,047	50,992	13,647
Fisk U.	6,000	6,000	0	0	0	0
Meharry Medical C.	29,105	27,408	0	0	0	1,697
Rhodes C.	286	263	3	20	0	0
U. of the South	349	68	11	0	56	214
Vanderbilt U.	350,433	281,694	40	6,027	50,936	11,736
Texas	3,073,724	1,759,005	354,813	164,416	478,278	317,212
Public	2,527,304	1,389,303	348,829	141,060	417,361	230,751
Lamar U.	3,375	1,259	1,927	181	8	0
Prairie View A&M U.	11,810	8,464	1,833	344	1,169	0
Sam Houston State U.	1,258	106	33	619	315	185
Stephen F. Austin State U.	4,144	887	309	582	2,152	214
Sul Ross State U.	2,375	1,506	446	0	0	423
Tarleton State U.	8,512	6,386	1,136	152	673	165
TX A&M International U.	155	127	28	0	0	0
TX A&M U. all campuses	479,735	212,923	109,205	18,927	122,069	16,611
TX A&M U. Commerce	608	71	393	144	0	0
TX A&M U. Corpus Christi	8,845	4,572	1,787	110	894	1,482
TX A&M U. Kingsville	13,389	4,972	1,405	434	5,627	951
TX A&M U. System Health Science Ctr.	73,162	32,949	1,559	3,938	17,071	17,645
TX Southern U.	4,641	4,426	51	164	0	0
TX State U. San Marcos	7,261	2,921	1,178	1,086	2,076	0
TX Tech U.	56,623	22,071	14,645	4,979	12,120	2,808
TX Tech U. Health Science Ctr.	18,697	6,730	268	1,065	8,799	1,835
TX Woman's U.	1,871	940	676	64	0	191
U. Houston	80,731	37,262	8,241	3,290	26,056	5,882

TABLE 25. R&amp;D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
U. Houston-Clear Lake	743	324	252	3	30	134
U. Houston-Downtown	329	317	12	0	0	0
U. North TX	12,617	7,003	258	614	3,159	1,583
U. North TX Health Science Ctr. Ft. Worth	22,325	17,037	231	1,223	1,314	2,520
U. TX Arlington	28,971	17,654	3,064	2,179	6,074	0
U. TX Austin	410,981	254,529	21,224	35,045	76,620	23,563
U. TX Dallas	43,111	19,933	16,690	1,676	1,722	3,090
U. TX El Paso	26,825	15,378	7,169	1,741	2,537	0
U. TX Health Science Ctr. Houston	152,631	112,509	6,993	8,214	10,293	14,622
U. TX Health Science Ctr. San Antonio	142,375	95,125	4,805	4,391	25,847	12,207
U. TX M. D. Anderson Cancer Ctr.	383,780	160,953	99,677	26,766	53,322	43,062
U. TX Medical Branch	174,254	117,235	11,685	8,065	24,710	12,559
U. TX San Antonio	22,429	15,924	5,214	181	1,110	0
U. TX Southwestern Medical Ctr. Dallas	320,800	202,057	24,387	14,293	11,582	68,481
U. TX Tyler	440	144	0	0	8	288
U. TX-Pan American	4,038	2,999	693	92	4	250
West TX A&M U.	3,463	1,610	1,355	498	0	0
Private	546,420	369,702	5,984	23,356	60,917	86,461
Abilene Christian U.	233	164	0	0	69	0
Baylor C. of Medicine	458,694	300,638	3,086	17,567	57,308	80,095
Baylor U.	6,364	1,473	905	2,575	1,411	0
Rice U.	63,102	54,735	1,157	1,581	7	5,622
Southern Methodist U.	11,839	8,415	483	272	2,010	659
St. Mary's U. (San Antonio, TX)	405	405	0	0	0	0
TX Christian U.	4,216	3,068	302	764	82	0
Trinity U.	1,386	759	0	597	30	0
Wiley C.	181	45	51	0	0	85
Utah	400,276	278,190	20,203	12,355	59,891	29,637
Public	376,315	261,312	18,838	10,043	57,638	28,484
U. UT	244,691	168,652	2,632	7,799	42,445	23,163
UT State U.	131,624	92,660	16,206	2,244	15,193	5,321
Private	23,961	16,878	1,365	2,312	2,253	1,153
Brigham Young U. all campuses	23,961	16,878	1,365	2,312	2,253	1,153
Vermont	117,442	81,143	5,162	7,270	17,727	6,140
Public	115,693	79,879	5,158	7,259	17,721	5,676
U. VT	115,693	79,879	5,158	7,259	17,721	5,676
Private	1,749	1,264	4	11	6	464
Middlebury C.	1,749	1,264	4	11	6	464
Virginia	914,166	574,697	96,954	42,897	153,425	46,193
Public	834,360	509,725	96,770	37,725	152,379	37,761
Christopher Newport U.	1,941	1,673	216	52	0	0
C. of William and Mary all campuses	50,146	26,898	3,263	481	16,668	2,836
George Mason U.	42,630	36,475	1,353	1,134	267	3,401
James Madison U.	5,009	3,568	457	0	316	668
Norfolk State U.	6,758	6,055	279	0	0	424
Old Dominion U.	47,006	24,463	6,076	3,564	12,903	0
U. VA all campuses	239,061	200,726	1,414	8,521	21,029	7,371
VA Commonwealth U.	146,105	97,322	3,625	9,085	29,548	6,525
VA Military Institute	662	35	2	449	145	31
VA Polytechnic Institute and State U.	289,994	109,842	80,083	14,439	69,125	16,505
VA State U.	5,048	2,668	2	0	2,378	0



TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Private	79,806	64,972	184	5,172	1,046	8,432
Eastern VA Medical School	33,721	19,969	184	4,757	404	8,407
Hampton U.	42,969	42,792	0	0	177	0
Roanoke C.	518	192	0	0	326	0
U. Richmond	2,097	1,615	0	318	139	25
Washington and Lee U.	501	404	0	97	0	0
Washington	901,102	691,897	42,640	49,189	82,232	35,144
Public	899,158	690,430	42,640	49,167	82,075	34,846
Central WA U.	1,893	929	200	443	306	15
Eastern WA U.	1,711	292	1,056	0	179	184
Evergreen State C.	647	647	0	0	0	0
U. WA	707,519	606,317	9,860	45,281	29,665	16,396
WA State U.	182,677	80,222	31,076	3,325	50,196	17,858
Western WA U.	4,711	2,023	448	118	1,729	393
Private	1,944	1,467	0	22	157	298
Heritage U. (Toppenish, WA)	266	266	0	0	0	0
Seattle U.	764	421	0	22	151	170
U. Puget Sound	319	281	0	0	6	32
Whitman C.	595	499	0	0	0	96
West Virginia	145,150	87,997	4,058	3,855	46,670	2,570
Public	140,885	83,732	4,058	3,855	46,670	2,570
Bluefield State C.	359	359	0	0	0	0
Marshall U.	22,321	18,660	610	464	1,786	801
WV School of Osteopathic Medicine	270	96	0	0	174	0
WV State U.	2,537	2,128	288	50	71	0
WV U.	115,398	62,489	3,160	3,341	44,639	1,769
Private	4,265	4,265	0	0	0	0
Wheeling Jesuit U.	4,265	4,265	0	0	0	0
Wisconsin	998,449	610,819	45,283	22,329	240,474	79,544
Public	841,943	500,333	44,259	18,893	211,567	66,891
U. WI Eau Claire	1,146	791	34	24	80	217
U. WI Green Bay	1,416	999	92	188	129	8
U. WI La Crosse	2,312	1,441	121	225	254	271
U. WI Madison	798,099	477,582	39,013	17,912	200,740	62,852
U. WI Milwaukee	32,748	15,893	4,584	516	9,314	2,441
U. WI Oshkosh	1,067	650	54	0	164	199
U. WI Parkside	577	501	10	0	34	32
U. WI Platteville	447	28	135	22	177	85
U. WI River Falls	345	189	51	2	74	29
U. WI Stevens Point	1,926	867	163	3	333	560
U. WI Stout	415	285	2	0	112	16
U. WI Superior	1,140	830	0	1	148	161
U. WI Whitewater	305	277	0	0	8	20
Private	156,506	110,486	1,024	3,436	28,907	12,653
Marquette U.	10,338	6,979	386	843	1,256	874
Medical C. WI	143,540	102,859	412	1,408	27,131	11,730
Milwaukee School of Engineering	2,628	648	226	1,185	520	49
Wyoming	83,449	29,351	2,203	1,560	47,053	3,282
Public	83,449	29,351	2,203	1,560	47,053	3,282
U. WY	83,449	29,351	2,203	1,560	47,053	3,282
Guam	9,106	8,602	249	0	0	255

TABLE 25. R&D expenditures at universities and colleges, by state, control, and source of funds: FY 2005  
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
Public	9,106	8,602	249	0	0	255
U. GU	9,106 i	8,602 i	249 i	0 i	0 i	255 i
Puerto Rico	100,235	76,210	5,315	3,337	13,470	1,903
Public	80,387	58,275	5,128	2,190	12,942	1,852
U. PR Humacao U. C.	3,540	3,325	0	0	196	19
U. PR Mayaguez Campus	20,492	10,786	3,440	947	3,538	1,781
U. PR Medical Sciences Campus	35,809	29,863	1,679	1,194	3,056	17
U. PR Rio Piedras Campus	20,546	14,301	9	49	6,152	35
Private	19,848	17,935	187	1,147	528	51
Ponce School of Medicine	7,840	6,715	0	1,125	0	0
Universidad Central del Caribe	9,181	8,543	171	0	466	1
Universidad del Turabo	150 i	0 i	16 i	22 i	62 i	50 i
Universidad Metropolitana	2,677 i	2,677 i	0 i	0 i	0 i	0 i
Virgin Islands	16,735	12,213	2,158	2,364	0	0
Public	16,735	12,213	2,158	2,364	0	0
U. of the VI	16,735	12,213	2,158	2,364	0	0

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

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

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 2005.

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	45,750,413	2,546,286	27,603,363	1,900,529	3,704,135	825,901	1,675,498	766,960	6,727,741
Public	30,812,481	2,064,488	17,796,240	1,210,183	2,488,450	608,424	1,324,256	578,630	4,741,810
Private	14,937,932	481,798	9,807,123	690,346	1,215,685	217,477	351,242	188,330	1,985,931
Alabama	589,860	13,973	420,106	14,614	25,565	11,764	10,539	6,255	87,044
Public	578,366	13,968	412,368	14,594	25,166	11,764	8,325	6,255	85,926
AL A&M U.	16,075	49	12,300	113	2,822	0	11	8	772
AL State U.	1,900	0	1,612	215	0	0	73	0	0
Auburn U. all campuses	132,203	2,313	80,632	585	5,861	621	2,495	6,011	33,685
Jacksonville State U.	1,089	234	838	0	0	0	0	17	0
U. AL, The	34,531	2,011	3,578	4,133	4,590	2,472	2,883	144	14,720
U. AL Birmingham, The	318,536	0	297,702	850	2,944	8,414	433	0	8,193
U. AL Huntsville, The	54,601	7,759	1,825	8,409	8,733	67	1,061	75	26,672
U. South AL	19,431	1,602	13,881	289	216	190	1,369	0	1,884
Private	11,494	5	7,738	20	399	0	2,214	0	1,118
Oakwood C.	528 i	5 i	309 i	20 i	194 i	0 i	0 i	0 i	0 i
Tuskegee U.	10,966	0	7,429	0	205	0	2,214	0	1,118
Alaska	153,721	76,009	30,067	10,257	64	150	871	22,858	13,445
Public	153,721	76,009	30,067	10,257	64	150	871	22,858	13,445
U. AK Anchorage all campuses	13,594	0	0	0	0	0	0	13,594	0
U. AK Fairbanks all campuses	139,488	75,857	29,679	10,245	58	150	868	9,193	13,438
U. AK Southeast all campuses	639	152	388	12	6	0	3	71	7
Arizona	720,184	27,270	339,234	22,286	171,951	14,511	33,664	4,036	107,232
Public	720,026	27,255	339,182	22,278	171,910	14,501	33,653	4,022	107,225
AZ State U. main campus	166,923	11,476	45,181	9,455	23,607	9,565	13,222	3,902	50,515
Northern AZ U.	22,870	4,113	15,275	67	1,211	33	1,393	69	709
U. AZ	530,233	11,666	278,726	12,756	147,092	4,903	19,038	51	56,001
Private	158	15	52	8	41	10	11	14	7
Prescott C.	158 i	15 i	52 i	8 i	41 i	10 i	11 i	14 i	7 i

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Arkansas	209,518	3,816	157,201	2,972	14,615	1,217	5,173	522	24,002
Public	208,968	3,755	157,094	2,972	14,330	1,217	5,173	522	23,905
AR State U. main campus	4,035	160	2,357	0	1,094	81	0	263	80
AR Tech U.	299	140 i	72 i	0 i	0 i	0 i	0 i	72 i	15 i
U. AR for Medical Sciences	91,516	0	90,987	0	0	517	12	0	0
U. AR Little Rock	4,345	49	217	910	433	206	851	0	1,679
U. AR main campus	98,138	2,802	56,408	1,261	12,096	291	3,862	0	21,418
U. AR Pine Bluff	6,685	0	5,889	432	168	0	196	0	0
U. Central AR	3,950	604 i	1,164 i	369 i	539 i	122 i	252 i	187 i	713 i
Private	550	61	107	0	285	0	0	0	97
Hendrix C.	550	61	107	0	285	0	0	0	97
California	6,272,890	361,142	3,792,557	295,842	665,470	81,784	194,282	82,381	799,432
Public	4,412,801	297,995	2,687,538	160,808	413,074	66,133	167,746	72,588	546,919
CA State Polytechnic U. Pomona	2,765	0	2,448	0	0	0	0	0	317
CA State Polytechnic U. San Luis Obispo	11,235	1,362	4,758	913	460	44	129	2,385	1,184
CA State U. Bakersfield	6,268	238	4,639	273	196	24	758	140	0
CA State U. Chico	2,620	368	1,053	141	139	9	185	0	725
CA State U. Dominguez Hills	3,088	89	982	1,687	316	7	7	0	0
CA State U. East Bay	3,259	338	932	104	1,256	19	350	0	260
CA State U. Fresno	13,498	1,535	9,191	30	167	155	38	0	2,382
CA State U. Fullerton	4,167	228	1,295	20	38	63	2,488	0	35
CA State U. Long Beach	9,594	528	3,218	190	984	167	122	266	4,119
CA State U. Los Angeles	10,130	1,166	2,778	194	3,534	148	418	0	1,892
CA State U. Monterey Bay	4,045	2,786	642	237	0	0	0	0	380
CA State U. Northridge	8,767	660	1,772	248	1,529	2,422	575	1,003	558
CA State U. San Bernardino	8,905	328	407	1,354	778	1,892	514	3,632	0
Humboldt State U.	8,078 i	706 i	4,897 i	538 i	23 i	9 i	628 i	148 i	1,129 i
Naval Postgraduate School	51,343	10,585	0	9,438	4,343	0	2,927	8,519	15,531
San Diego State U.	73,887	4,179	30,843	1,365	3,199	8,776	6,422	5,205	13,898
San Francisco State U.	23,655	5,388	7,369	190	2,685	1,781	5,947	0	295
San Jose State U.	32,886	14,693	458	1,503	2,064	9,787	304	1,065	3,012
Sonoma State U.	650	0	383	114	33	0	17	0	103
U. CA Office of the President	97,245	11,877	59,470	2,174	18,260	0	165	4,921	378
U. CA, Berkeley	554,551	9,425	183,129	8,823	120,957	8,805	48,971	22,158	152,283
U. CA, Davis	546,978	26,354	404,872	8,063	21,533	2,000	22,262	5,136	56,758
U. CA, Irvine	276,763	5,034	180,436	14,583	27,105	3,960	10,979	745	33,921
U. CA, Los Angeles	785,625	14,038	585,436	21,724	53,851	12,773	34,141	8,327	55,335
U. CA, Merced	4,468	1,075	1,311	0	512	0	0	0	1,570
U. CA, Riverside	122,221	13,010	66,421	3,683	8,599	2,123	1,285	1,387	25,713

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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. CA, San Diego	721,035	125,519	381,402	69,112	51,400	6,993	12,607	1,039	72,963
U. CA, San Francisco	754,444	0	728,403	0	26,041	0	0	0	0
U. CA, Santa Barbara	165,014	27,685	5,169	11,730	25,153	3,266	12,064	6,135	73,812
U. CA, Santa Cruz	105,617	18,801	13,424	2,377	37,919	910	3,443	377	28,366
Private	1,860,089	63,147	1,105,019	135,034	252,396	15,651	26,536	9,793	252,513
CA Institute of Technology	265,364	15,739	44,305	13,625	143,657	0	0	6,579	41,459
Chapman U.	839	71	374	33	13	5	244	99	0
Charles R. Drew U. of Medicine and Science	43,231	0	43,231	0	0	0	0	0	0
Claremont Graduate U.	2,677	0	0	298	0	1,599	780	0	0
Fuller Theological Seminary CA	1,174	0	0	0	0	1,174	0	0	0
Harvey Mudd C.	1,738	15 i	789 i	76 i	257 i	17 i	83 i	68 i	433 i
Loma Linda U.	29,898	0	29,898	0	0	0	0	0	0
Loyola Marymount U.	621	5	142	26	69	245	48	0	86
Mt. St. Mary's C. (Los Angeles, CA)	570	0	494	0	76	0	0	0	0
Occidental C.	2,109	125	354	0	327	0	797	506	0
Pitzer C.	205	0	0	13	0	108	84	0	0
Point Loma Nazarene C.	261	0	31	0	230	0	0	0	0
Pomona C.	2,153	77	591	153	397	502	433	0	0
Santa Clara U.	1,632 i	46 i	1,131 i	78 i	140 i	25 i	25 i	11 i	176 i
Scripps Research Institute, The	338,634	0	338,634	0	0	0	0	0	0
Stanford U.	714,897	25,124	392,129	26,240	94,093	7,603	13,864	0	155,844
U. Redlands	1,413	1,258	24	0	119	0	12	0	0
U. San Diego	1,683	162	468	0	1,053	0	0	0	0
U. San Francisco	1,082	235	19	77	132	336	38	245	0
U. Southern CA	445,036	20,274	249,108	94,391	11,070	4,028	10,037	2,265	53,863
U. of the Pacific	3,750	0	2,316	8	710	0	87	0	629
Western U. of Health Sciences	946	0	946	0	0	0	0	0	0
Whittier C.	176 i	16 i	35 i	16 i	53 i	9 i	4 i	20 i	23 i
Colorado	825,984	192,000	389,802	18,760	82,355	19,189	14,618	6,159	103,101
Public	812,666	191,735	386,274	18,560	79,463	16,843	14,135	6,005	99,651
CO School of Mines	26,499	2,427	0	860	5,286	0	29	0	17,897
CO State U.	236,211	82,240	101,279	4,844	11,405	4,812	3,135	3,521	24,975
CO State U. Pueblo	663	0	381	0	164	0	12	0	106
Ft. Lewis C.	519	10	193	0	309	0	7	0	0
U.S. Air Force Academy	29,438	0	750	3,204	3,498	225	524	0	21,237
U. CO Boulder	261,429	106,462	34,446	8,070	57,136	11,426	9,088	1,821	32,980
U. CO Colorado Springs	4,349	108	547	543	1,328	264	177	0	1,382
U. CO Denver and Health Sciences Ctr.	251,289	385	247,605	1,030	320	109	766	0	1,074
U. Northern CO	2,269	103	1,073	9	17	7	397	663	0

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	13,318	265	3,528	200	2,892	2,346	483	154	3,450
CO C.	1,452 i	195 i	279 i	97 i	289 i	89 i	364 i	139 i	0 i
Regis U.	150 i	10 i	26 i	14 i	34 i	6 i	8 i	15 i	37 i
U. Denver	11,716	60	3,223	89	2,569	2,251	111	0	3,413
Connecticut	669,199	14,109	537,493	10,959	32,916	23,818	14,437	845	34,622
Public	224,125	9,076	157,909	4,110	9,151	15,379	8,301	608	19,591
Central CT State U.	812	0	166	0	529	7	110	0	0
Southern CT State U.	2,671	72	940	70	940	220	378	51	0
U.S. Coast Guard Academy	660	0	0	0	0	0	0	0	660
U. CT all campuses	219,982	9,004	156,803	4,040	7,682	15,152	7,813	557	18,931
Private	445,074	5,033	379,584	6,849	23,765	8,439	6,136	237	15,031
CT C.	634 i	4 i	246 i	34 i	147 i	2 i	27 i	23 i	151 i
Fairfield U.	1,897	0	419	109	322	215	551	214	67
Trinity C. (Hartford, CT)	1,215	11	548	28	56	369	84	0	119
U. Hartford	1,360	0	17	69	5	70	274	0	925
U. New Haven	314	0	80	20	0	0	214	0	0
Wesleyan U.	8,036	452	3,675	211	2,702	910	86	0	0
Yale U.	431,618	4,566	374,599	6,378	20,533	6,873	4,900	0	13,769
Delaware	115,751	12,229	30,668	2,809	18,225	3,817	6,394	4,601	37,008
Public	115,751	12,229	30,668	2,809	18,225	3,817	6,394	4,601	37,008
DE State U.	5,412	0	4,068	427	917	0	0	0	0
U. DE	110,339	12,229	26,600	2,382	17,308	3,817	6,394	4,601	37,008
District of Columbia	302,921	628	189,221	40,069	26,376	7,184	21,500	590	17,353
Public	4,426	350	2,228	0	465	0	1,039	218	126
U. DC	4,426	350	2,228	0	465	0	1,039	218	126
Private	298,495	278	186,993	40,069	25,911	7,184	20,461	372	17,227
American U.	1,542	0	92	158	444	410	397	41	0
Catholic U. America, The	21,489	0	2,192	0	16,332	792	534	23	1,616
Gallaudet U.	2,202	0	643	0	0	1,495	64	0	0
George Washington U.	107,715	278	44,412	37,018	3,786	2,268	9,156	0	10,797
Georgetown U.	123,938	0	110,052	372	2,578	958	9,978	0	0
Howard U.	41,609	0	29,602	2,521	2,771	1,261	332	308	4,814

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Florida	1,448,634	162,143	777,888	41,503	135,360	47,780	61,463	21,624	200,873
Public	1,212,075	108,753	631,639	39,293	130,902	37,663	58,128	17,757	187,940
FL A&M U.	26,400	3,397	16,280	276	2,159	11	0	278	3,999
FL Atlantic U.	27,388	1,825	8,266	2,115	5,430	636	1,228	0	7,888
FL Gulf Coast U.	2,678	1,475	458	0	745	0	0	0	0
FL International U.	76,678	19,537	18,864	4,532	7,838	3,134	16,708	787	5,278
FL State U.	172,858	23,976	29,859	14,252	47,794	12,923	14,626	472	28,956
New C. FL	259	0	65	7	153	15	19	0	0
U. Central FL	102,702	14,866	11,222	1,083	26,498	1,706	4,672	15,431	27,224
U. FL	530,734	9,486	370,708	9,288	34,350	11,890	14,457	0	80,555
U. North FL	3,448	0	990	167	652	86	319	0	1,234
U. South FL	259,218	34,191	172,849	1,032	5,227	7,255	5,158	789	32,717
U. West FL	9,712	0	2,078	6,541	56	7	941	0	89
Private	236,559	53,390	146,249	2,210	4,458	10,117	3,335	3,867	12,933
Eckerd C.	334 i	36 i	120 i	18 i	89 i	26 i	7 i	24 i	14 i
Embry-Riddle Aeronautical U.	13,325	1,202	0	347	59	75	75	3,005	8,562
FL Institute of Technology	7,539	1,023	952	1,263	2,238	196	0	381	1,486
Nova Southeastern U.	5,789	3,038	2,012	0	0	282	0	457	0
U. Miami	209,572	48,091	143,165	582	2,072	9,538	3,253	0	2,871
Georgia	1,274,410	30,999	691,951	73,714	66,810	32,080	63,318	5,151	310,387
Public	870,623	30,903	331,051	72,147	50,715	29,250	59,869	3,737	292,951
Albany State U.	2,091	169	929	67	32	0	406	141	347
Ft. Valley State U.	2,497	0	2,497	0	0	0	0	0	0
GA Institute of Technology all campuses	425,386	14,359	17,666	60,826	29,469	5,018	10,090	2,386	285,572
GA Southern U.	2,078	436	1,314	66	225	30	0	0	7
GA State U.	50,262	381	17,160	2,409	7,170	11,182	10,750	1,210	0
Kennesaw State U.	477	0	392	14	71	0	0	0	0
Medical C. GA	67,278	0	67,278	0	0	0	0	0	0
Savannah State U.	2,421	1,464	457	0	0	0	0	0	500
State U. West GA	1,327	400	565	28	304	0	30	0	0
U. GA	316,806	13,694	222,793	8,737	13,444	13,020	38,593	0	6,525
Private	403,787	96	360,900	1,567	16,095	2,830	3,449	1,414	17,436
Clark Atlanta U.	12,790	6	4,057	864	4,053	300	221	1,317	1,972
Emory U.	333,665	90	319,795	487	9,985	1,718	1,590	0	0
Mercer U. all campuses	20,042	0	3,896	40	521	9	15	97	15,464
Morehouse C.	3,559	0	744	38	758	396	1,623	0	0
Morehouse School of Medicine	30,652	0	30,652	0	0	0	0	0	0
Morris Brown C.	320 i	0 i	66 i	2 i	193 i	59 i	0 i	0 i	0 i
Spelman C.	2,759	0	1,690	136	585	348	0	0	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Hawaii	240,247	61,131	92,430	19,049	30,003	739	5,757	20,319	10,819
Public	240,247	61,131	92,430	19,049	30,003	739	5,757	20,319	10,819
U. HI Hilo	9,596	646	8,104	127	660	0	59	0	0
U. HI Manoa	230,651	60,485	84,326	18,922	29,343	739	5,698	20,319	10,819
Idaho	119,871	10,054	60,819	2,507	11,295	157	4,675	11,545	18,819
Public	119,871	10,054	60,819	2,507	11,295	157	4,675	11,545	18,819
Boise State U.	9,162	3,596	1,238	92	859	0	572	0	2,805
ID State U.	19,700	2,009	5,730	835	6,404	24	2,208	2,034	456
U. ID	91,009	4,449	53,851	1,580	4,032	133	1,895	9,511	15,558
Illinois	1,770,938	54,758	1,043,785	151,922	158,118	39,645	56,274	33,882	232,554
Public	917,746	48,256	420,878	127,176	74,983	22,168	41,225	23,730	159,330
Chicago State U.	1,832	0	0	0	0	0	0	1,832	0
Eastern IL U.	303	55	97	26	43	33	17	14	18
Governors State U.	237	0	221	0	16	0	0	0	0
IL State U.	5,203	100	3,557	158	912	148	189	139	0
Northeastern IL U.	227	89	27	55	2	38	0	16	0
Northern IL U.	11,239	1,261	3,202	314	3,050	1,732	424	0	1,256
Southern IL U. Carbondale	57,434	1,893	36,055	488	1,914	952	1,644	3,580	10,908
Southern IL U. Edwardsville	20,883	2,154	3,477	956	2,783	0	3,439	4,950	3,124
U. IL Chicago	318,279	3,855	239,554	16,605	13,219	6,671	11,748	8,060	18,567
U. IL Springfield	1,208	77	8	0	110	0	1,007	6	0
U. IL Urbana-Champaign	499,711	38,638	134,291	108,562	52,413	12,594	22,623	5,133	125,457
Western IL U.	1,190	134	389	12	521	0	134	0	0
Private	853,192	6,502	622,907	24,746	83,135	17,477	15,049	10,152	73,224
Augustana C. (Rock Island, IL)	300	48	69	0	86	0	0	97	0
Bradley U.	1,606	0	139	21	634	1	1	0	810
DePaul U.	4,321	62	151	541	213	3,034	312	8	0
IL Institute of Technology	25,498	0	4,818	1,810	8,055	583	0	4	10,228
IL Wesleyan U.	322	0	86	54	138	20	24	0	0
Lake Forest C.	242	0	170	11	40	18	0	3	0
Loyola U. Chicago	40,551	0	36,593	32	356	531	171	2,868	0
Midwestern U. (Chicago, IL)	3,204	0	3,204	0	0	0	0	0	0
National U. of Health Sciences	323	0	323	0	0	0	0	0	0
Northwestern U.	387,242	1,237	270,379	6,562	26,828	3,755	9,292	7,172	62,017
Rosalind Franklin U. of Medicine and Science	11,920	0	11,669	0	0	251	0	0	0
Rush U.	83,693	0	81,032	0	0	2,661	0	0	0
U. Chicago	293,970	5,155	214,274	15,715	46,785	6,623	5,249	0	169



TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Indiana	759,419	10,705	393,413	31,575	76,480	21,661	48,264	35,327	141,994
Public	682,086	10,687	379,401	25,895	58,511	17,623	43,930	21,836	124,203
Ball State U.	8,490	463	4,095	987	1,379	84	1,168	96	218
IN State U. all campuses	1,473	480	420	0	24	189	360	0	0
IN U. all campuses	307,137	3,987	208,902	11,055	36,476	11,152	24,596	8,132	2,837
Purdue U. all campuses	364,986	5,757	165,984	13,853	20,632	6,198	17,806	13,608	121,148
Private	77,333	18	14,012	5,680	17,969	4,038	4,334	13,491	17,791
DePauw U.	201 i	18 i	47 i	14 i	59 i	9 i	3 i	19 i	32 i
Rose-Hulman Institute of Technology	4,914	0	0	1,405	709	0	0	0	2,800
U. of Notre Dame	71,266	0	13,894	4,170	16,528	4,029	4,288	13,472	14,885
Valparaiso U.	488	0	33	37	344	0	0	0	74
Wabash C.	464	0	38	54	329	0	43	0	0
Iowa	548,237	9,576	374,693	19,732	29,330	8,266	22,282	4,498	79,860
Public	545,042	9,472	372,809	19,570	29,010	7,972	22,238	4,111	79,860
IA State U.	209,545	6,429	106,565	16,140	11,302	1,001	16,384	3,571	48,153
U. IA	334,144	2,746	265,701	3,357	17,611	6,971	5,511	540	31,707
U. Northern IA	1,353	297	543	73	97	0	343	0	0
Private	3,195	104	1,884	162	320	294	44	387	0
Des Moines U. Osteopathic Medical Ctr.	723 i	0 i	723 i	0 i	0 i	0 i	0 i	0 i	0 i
Drake U.	901	104	138	0	221	34	17	387	0
Grinnell C.	1,079	0	531	162	99	260	27	0	0
Maharishi U. of Management	492	0	492	0	0	0	0	0	0
Kansas	348,751	12,859	217,697	5,636	23,303	2,191	13,987	7,534	65,544
Public	348,751	12,859	217,697	5,636	23,303	2,191	13,987	7,534	65,544
KS State U.	123,398	585	80,444	4,098	10,302	1,066	3,943	5,326	17,634
Pittsburg State U.	2,522	1	218	0	31	0	0	0	2,272
U. KS all campuses	190,105	12,224	135,960	1,274	11,198	835	9,459	2,208	16,947
Wichita State U.	32,726	49	1,075	264	1,772	290	585	0	28,691

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Kentucky	452,265	6,073	327,562	10,600	16,832	11,099	9,610	10,931	59,558
Public	452,265	6,073	327,562	10,600	16,832	11,099	9,610	10,931	59,558
Eastern KY U.	486	21	342	1	62	17	40	3	0
KY State U.	3,044	8	2,957	0	0	0	0	0	79
Morehead State U.	2,254	78	904	76	8	285	674	12	217
Murray State U.	3,506	1,127	1,637	63	314	1	203	0	161
Northern KY U.	1,368	0	572	70	320	234	172	0	0
U. KY all campuses	306,653	4,059	214,451	9,685	10,084	6,294	6,939	10,795	44,346
U. Louisville	128,347	586	105,077	540	2,038	3,808	1,522	96	14,680
Western KY U.	6,607	194	1,622	165	4,006	460	60	25	75
Louisiana	579,734	36,989	393,037	17,968	36,560	2,866	16,805	12,473	63,036
Public	433,520	35,934	266,394	15,361	32,214	2,211	13,404	12,438	55,564
Grambling State U.	1,784	0	1,262	0	522	0	0	0	0
LA State U. and A&M C.	236,729	31,695	133,276	3,853	20,967	359	5,975	6,864	33,740
LA State U. Health Sciences Ctr.	93,595	0	93,595	0	0	0	0	0	0
LA State U. Shreveport	173	0	89	0	3	0	81	0	0
LA Tech U.	15,832	145	2,979	1,612	1,487	286	565	0	8,758
McNeese State U.	614	372	27	72	34	32	2	0	75
Nicholls State U.	1,475	0	590	25	1	196	0	121	542
Southeastern LA U.	1,714	0	1,437	0	239	0	38	0	0
Southern U. and A&M C. all campuses	4,545 i	1,265 i	1,450 i	0 i	793 i	0 i	811 i	0 i	226 i
Southern U. New Orleans	584 i	0 i	140 i	10 i	0 i	0 i	0 i	434 i	0 i
U. LA Lafayette	44,620	233	24,391	8,861	897	259	1,061	4,258	4,660
U. LA Monroe	5,524	127	4,980	19	11	0	250	137	0
U. New Orleans	26,331	2,097	2,178	909	7,260	1,079	4,621	624	7,563
Private	146,214	1,055	126,643	2,607	4,346	655	3,401	35	7,472
Dillard U.	716 i	0 i	65 i	43 i	608 i	0 i	0 i	0 i	0 i
Loyola U. New Orleans	567	0	265	25	138	120	19	0	0
Tulane U.	138,959	777	122,618	2,334	2,004	535	3,382	35	7,274
Xavier U. LA	5,972 i	278 i	3,695 i	205 i	1,596 i	0 i	0 i	0 i	198 i

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Maine	81,624	21,472	30,128	2,459	10,501	991	3,001	561	12,511
Public	77,052	20,709	28,102	2,211	9,334	792	2,832	561	12,511
U. ME	75,066	20,311	26,774	2,110	9,334	792	2,673	561	12,511
U. Southern ME	1,986 i	398 i	1,328 i	101 i	0 i	0 i	159 i	0 i	0 i
Private	4,572	763	2,026	248	1,167	199	169	0	0
Bates C.	1,077	223	460	12	373	4	5	0	0
Bowdoin C.	2,254	471	1,120	104	335	190	34	0	0
Colby C.	1,241	69	446	132	459	5	130	0	0
Maryland	2,357,063	126,447	1,179,290	139,615	215,611	12,551	98,142	48,364	537,043
Public	911,384	84,151	504,458	41,400	69,298	6,821	93,079	6,095	106,082
Bowie State U.	2,033	0	198	1,835	0	0	0	0	0
Morgan State U.	9,544	0	1,321	2,220	852	0	137	4	5,010
St. Mary's C. MD	459	124	184	0	15	133	3	0	0
Towson U.	2,041	0	243	198	377	0	1,223	0	0
Uniformed Services U. of the Health Sciences	78,694	0	78,608	0	0	86	0	0	0
U.S. Naval Academy	6,623	325	0	655	1,737	0	126	0	3,780
U. Baltimore	7,754	0	0	0	0	0	7,754	0	0
U. MD Baltimore	304,396	0	304,396	0	0	0	0	0	0
U. MD Baltimore County	58,467	15,900	11,175	1,623	5,691	1,758	7,425	6,091	8,804
U. MD Biotechnology Institute	56,135	11,297	44,838	0	0	0	0	0	0
U. MD Ctr. for Environmental Science	41,022	41,022	0	0	0	0	0	0	0
U. MD College Park	338,648	11,841	61,801	34,869	60,544	4,844	76,411	0	88,338
U. MD Eastern Shore	5,568	3,642	1,694	0	82	0	0	0	150
Private	1,445,679	42,296	674,832	98,215	146,313	5,730	5,063	42,269	430,961
Goucher C.	158 i	15 i	51 i	7 i	42 i	10 i	12 i	14 i	7 i
Johns Hopkins U., The <sup>a</sup>	1,443,792	42,281	674,083	97,527	146,097	5,720	4,875	42,255	430,954
Loyola C.	1,729	0	698	681	174	0	176	0	0
Massachusetts	2,079,463	181,316	1,039,453	95,243	253,618	37,008	78,020	38,850	355,955
Public	365,679	18,035	222,778	22,857	39,916	7,179	15,520	2,088	37,306
Bridgewater State C.	230	3	25	15	16	3	18	150	0
Fitchburg State C.	161	0	161	0	0	0	0	0	0
U. MA Amherst	127,487	3,888	37,850	20,679	30,336	5,475	2,781	640	25,838
U. MA Boston	18,148	1,734	2,768	520	673	1,374	10,236	732	111
U. MA Dartmouth	19,452	9,528	1,681	1,031	1,523	160	259	0	5,270
U. MA Lowell	23,852	2,882	3,944	612	7,368	167	2,226	566	6,087
U. MA Worcester	176,349	0	176,349	0	0	0	0	0	0

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	1,713,784	163,281	816,675	72,386	213,702	29,829	62,500	36,762	318,649
Amherst C.	2,725	244	648	62	1,331	184	256	0	0
Boston C.	31,588	6,444	4,377	4,661	8,041	920	7,145	0	0
Boston U.	246,520	4,411	168,421	4,265	21,402	7,439	1,360	14,148	25,074
Brandeis U.	54,136	0	29,005	2,099	6,003	2,765	14,264	0	0
Clark U.	4,480	1,370	978	43	1,177	603	199	110	0
C. of the Holy Cross	505	0	0	121	178	178	28	0	0
Hampshire C.	2,723	151	412	283	74	199	789	339	476
Harvard U.	447,196	25,250	324,112	2,761	47,993	7,525	18,364	0	21,191
MA C. of Pharmacy and Health Sciences	489 i	0 i	489 i	0 i	0 i	0 i	0 i	0 i	0 i
MA Institute of Technology	580,742	27,444	165,968	48,961	104,485	970	6,945	19,402	206,567
Mt. Holyoke C.	3,179	610	394	1,095	830	102	146	0	2
New England C. of Optometry	1,870	0	1,870	0	0	0	0	0	0
Northeastern U.	63,514	13	14,933	3,301	15,512	3,901	3,325	0	22,529
Simmons C.	433	0	178	0	72	0	183	0	0
Smith C.	2,749	64	871	318	301	204	76	224	691
Tufts U.	131,028	708	102,078	1,791	4,432	4,677	8,419	0	8,923
Wellesley C.	4,252	12	574	59	676	104	424	2,403	0
Williams C.	3,459	87 i	782 i	286 i	610 i	58 i	233 i	136 i	1,267 i
Woods Hole Oceanographic Institution	117,517	96,473	0	0	0	0	0	0	21,044
Worcester Polytechnic Institute	14,679	0	585	2,280	585	0	344	0	10,885
Michigan	1,455,849	24,210	888,046	27,498	123,467	24,517	125,888	7,542	234,681
Public	1,447,716	23,979	886,052	26,963	122,074	24,122	125,409	7,139	231,978
Central MI U.	4,938	196	858	138	3,004	208	55	244	235
Eastern MI U.	5,910	202	1,282	60	517	177	329	0	3,343
Grand Valley State U.	3,354	1,935	496	8	130	62	161	0	562
MI State U.	333,735	1,441	205,932	8,367	54,666	6,861	28,063	2,039	26,366
MI Technological U.	40,188	8,399	1,063	2,485	2,723	0	697	670	24,151
Oakland U.	6,505	0	2,346	404	1,483	107	13	0	2,152
Saginaw Valley State U.	350	8	37	102	40	0	5	94	64
U. MI all campuses	808,887	9,828	492,195	10,562	39,648	11,970	89,909	377	154,398
Wayne State U.	226,331	85	178,254	2,188	14,320	4,705	5,923	3,715	17,141
Western MI U.	17,518	1,885	3,589	2,649	5,543	32	254	0	3,566

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	8,133	231	1,994	535	1,393	395	479	403	2,703
Andrews U.	533	0	110	123	69	0	231	0	0
Calvin C.	1,857	89	516	158	357	379	122	173	63
Hope C.	2,060	114	1,141	174	468	0	0	0	163
Kalamazoo C.	422	0	221	62	116	13	10	0	0
Kettering U.	1,758	16	0	18	7	0	0	0	1,717
Lawrence Technological U.	917	12	0	0	158	0	116	0	631
U. Detroit Mercy	586 i	0 i	6 i	0 i	218 i	3 i	0 i	230 i	129 i
Minnesota	559,585	13,792	407,648	21,757	28,846	13,351	22,815	0	51,376
Public	552,079	11,637	405,253	21,210	27,113	13,117	22,395	0	51,354
MN State U. Mankato	549	39	333	20	10	27	22	0	98
St. Cloud State U.	2,657	104	1,001	66	189	0	1,209	0	88
U. MN all campuses	548,873	11,494	403,919	21,124	26,914	13,090	21,164	0	51,168
Private	7,506	2,155	2,395	547	1,733	234	420	0	22
Augsburg C.	606	509	0	97	0	0	0	0	0
Carleton C.	3,365	1,371	1,169	83	652	90	0	0	0
Gustavus Adolphus C.	487	112	158	38	167	1	11	0	0
Macalester C.	2,081	163	501	329	542	137	409	0	0
St. Olaf C.	643	0	421	0	219	3	0	0	0
U. of St. Thomas (St. Paul, MN)	324	0	146	0	153	3	0	0	22
Mississippi	353,445	23,899	187,090	14,682	43,649	6,355	8,303	17,123	52,344
Public	352,357	23,887	186,562	14,466	43,357	6,343	8,291	17,115	52,336
Alcorn State U.	6,256	0	6,256	0	0	0	0	0	0
Jackson State U.	35,876	5,422	11,151	5,028	4,518	1,058	186	6,779	1,734
MS State U.	179,825	4,659	97,315	8,805	10,070	4,993	6,098	6,873	41,012
MS Valley State U.	606	0	259	157	81	0	0	0	109
U. MS all campuses	91,913	0	64,436	204	18,720	121	851	42	7,539
U. Southern MS	37,881	13,806	7,145	272	9,968	171	1,156	3,421	1,942
Private	1,088	12	528	216	292	12	12	8	8
Millsaps C.	150 i	12 i	63 i	6 i	29 i	12 i	12 i	8 i	8 i
Tougaloo C.	938 i	0 i	465 i	210 i	263 i	0 i	0 i	0 i	0 i

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Missouri	893,013	13,597	724,648	12,225	33,954	18,331	21,714	326	68,218
Public	311,661	7,174	199,633	4,413	18,915	11,975	16,603	303	52,645
Lincoln U. (Jefferson City, MO)	2,656	234	2,384	0	0	0	38	0	0
Southeast MO State U.	223	0	174	4	43	0	2	0	0
Southwest MO State U.	6,367	162	1,488	28	4,497	18	19	0	155
Truman State U.	524	0	116	70	35	0	0	303	0
U. MO-Columbia	220,718	2,158	166,138	3,397	6,812	7,647	12,346	0	22,220
U. MO-Kansas City	30,780	0	23,623	188	1,610	3,485	332	0	1,542
U. MO-Rolla	38,337	4,620	664	459	3,810	25	31	0	28,728
U. MO-St. Louis	12,056	0	5,046	267	2,108	800	3,835	0	0
Private	581,352	6,423	525,015	7,812	15,039	6,356	5,111	23	15,573
A.T. Still U. of Health Sciences	1,206	0	1,206	0	0	0	0	0	0
Kansas City U. of Medicine and Biosciences	944	0	944	0	0	0	0	0	0
St. Louis U. all campuses	47,356	882	45,844	81	308	0	112	0	129
Washington U. St. Louis	531,846	5,541	477,021	7,731	14,731	6,356	4,999	23	15,444
Montana	170,791	5,640	108,620	2,330	18,602	780	6,827	14,606	13,386
Public	170,791	5,640	108,620	2,330	18,602	780	6,827	14,606	13,386
MT State U. Billings	694 i	127 i	194 i	81 i	99 i	62 i	35 i	39 i	57 i
MT State U. Bozeman	109,465	1,443	70,876	1,215	14,252	0	3,261	7,323	11,095
MT Tech of the U. MT	5,947	2,585	753	0	379	0	0	0	2,230
U. MT, The	54,685	1,485	36,797	1,034	3,872	718	3,531	7,244	4
Nebraska	360,148	4,243	258,523	11,643	14,174	9,691	14,943	16,256	30,675
Public	333,126	4,095	232,085	11,611	13,797	9,691	14,916	16,256	30,675
U. NE Kearney	597	4	485	22	74	1	11	0	0
U. NE Lincoln	200,287	3,758	107,595	8,580	13,117	8,751	13,153	16,256	29,077
U. NE Omaha	8,979	333	742	3,009	606	939	1,752	0	1,598
U. NE Medical Ctr.	123,263	0	123,263	0	0	0	0	0	0
Private	27,022	148	26,438	32	377	0	27	0	0
Creighton U.	27,022	148	26,438	32	377	0	27	0	0
Nevada	178,492	53,957	60,982	2,252	14,619	350	12,881	8,680	24,771
Public	178,492	53,957	60,982	2,252	14,619	350	12,881	8,680	24,771
Desert Research Institute	34,570	29,248	1,945	0	0	0	2,234	1,143	0
U. NV, Las Vegas	48,343	15,133	6,923	356	4,226	0	9,297	0	12,408
U. NV, Reno	95,579	9,576	52,114	1,896	10,393	350	1,350	7,537	12,363

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
New Hampshire	287,472	49,744	156,399	5,938	14,402	5,708	5,417	8,705	41,159
Public	108,378	48,313	26,760	1,330	5,361	114	4,367	1,150	20,983
U. NH	108,378	48,313	26,760	1,330	5,361	114	4,367	1,150	20,983
Private	179,094	1,431	129,639	4,608	9,041	5,594	1,050	7,555	20,176
Dartmouth C.	179,094	1,431	129,639	4,608	9,041	5,594	1,050	7,555	20,176
New Jersey	867,121	54,948	439,426	45,805	83,558	20,963	57,665	25,119	139,637
Public	636,451	30,597	394,819	26,371	48,132	12,082	27,951	23,084	73,415
C. NJ, The	3,047 i	0 i	340 i	607 i	171 i	318 i	311 i	1,155 i	145 i
Montclair State U.	1,511	673 i	444 i	314 i	31 i	49 i	0 i	0 i	0 i
NJ City U.	720	89	390	134	37	0	0	70	0
NJ Institute of Technology	76,920	0	0	6,939	9,659	0	192	19,622	40,508
Rowan U.	4,944	0	128	1,030	509	942	177	0	2,158
Rutgers, The State U. NJ all campuses	309,531	29,835	153,739	17,347	37,725	10,773	27,271	2,237	30,604
U. of Medicine and Dentistry NJ	239,778	0	239,778	0	0	0	0	0	0
Private	230,670	24,351	44,607	19,434	35,426	8,881	29,714	2,035	66,222
Monmouth U.	779	57	0	665	57	0	0	0	0
Princeton U.	202,380	17,771	41,607	13,341	33,237	8,871	29,601	0	57,952
Rider U.	1,096	0	330	0	42	10	1	713	0
Seton Hall U.	3,418	0	2,313	138	868	0	99	0	0
Stevens Institute of Technology	22,997	6,523	357	5,290	1,222	0	13	1,322	8,270
New Mexico	345,844	16,392	138,690	8,741	27,045	11,468	8,629	18,319	116,560
Public	345,844	16,392	138,690	8,741	27,045	11,468	8,629	18,319	116,560
NM Highlands U.	1,202	86	30	0	833	253	0	0	0
NM Institute of Mining and Technology	40,512 i	10,550 i	1,165 i	381 i	2,517 i	2 i	0 i	6,921 i	18,976 i
NM State U. all campuses	125,427	1,270	29,198	3,032	12,453	909	3,724	864	73,977
U. NM all campuses	178,703	4,486	108,297	5,328	11,242	10,304	4,905	10,534	23,607

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
New York	3,604,414	116,969	2,392,239	121,781	306,580	83,162	99,794	27,597	456,292
Public	940,647	39,986	519,965	30,824	116,002	29,065	33,311	3,271	168,223
CUNY Baruch C.	896	47	506	10	47	104	182	0	0
CUNY Brooklyn C.	3,731	74	532	857	435	1,504	329	0	0
CUNY C. Staten Island	2,577	0	1,051	273	955	84	18	0	196
CUNY Graduate Ctr.	5,943	0	15	1,178	194	345	2,302	1,909	0
CUNY Herbert H. Lehman C.	4,019	135	1,648	287	171	1,699	79	0	0
CUNY Hunter C.	33,024	2,997	11,859	404	6,996	6,977	3,649	142	0
CUNY John Jay C. of Criminal Justice	932	4	4	56	9	526	333	0	0
CUNY Medgar Evers C.	707	489	141	67	10	0	0	0	0
CUNY Queens C.	6,876	462	3,977	206	1,025	1,058	148	0	0
CUNY The City C.	27,471	423	7,237	872	10,179	410	126	0	8,224
CUNY York C.	1,513	3	1,421	3	64	5	6	11	0
SUNY Albany	259,708	7,060	102,721	3,643	45,404	1,174	13,335	0	86,371
SUNY Binghamton	25,769	936	2,184	1,499	3,006	3,503	5,554	30	9,057
SUNY Buffalo all campuses	267,271	2,060	191,492	10,529	13,792	5,489	3,978	268	39,663
SUNY C. Brockport	659	85	527	0	32	8	0	7	0
SUNY C. Buffalo	1,977	1,382	236	0	97	210	52	0	0
SUNY C. Cortland	563	105	343	0	29	9	77	0	0
SUNY C. Geneseo	951	3	72	320	463	72	21	0	0
SUNY C. of Environmental Science and Forestry	12,054	853 i	7,593 i	0 i	893 i	0 i	117 i	0 i	2,598 i
SUNY C. of Optometry	2,481	0	2,481	0	0	0	0	0	0
SUNY C. Old Westbury	1,565	0	819	0	746	0	0	0	0
SUNY C. Oswego	1,010	75	43	140	47	566	66	73	0
SUNY C. Plattsburgh	1,823	693	76	4	945	20	85	0	0
SUNY Fredonia	175	22	74	0	79	0	0	0	0
SUNY Health Science Ctr. Brooklyn	29,732	0	29,732	0	0	0	0	0	0
SUNY Stony Brook all campuses	212,289	22,078	118,250	10,476	30,384	5,302	2,854	831	22,114
SUNY Upstate Medical U.	34,931	0	34,931	0	0	0	0	0	0



TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	2,663,767	76,983	1,872,274	90,957	190,578	54,097	66,483	24,326	288,069
Albany C. of Pharmacy	2,565	0	2,565	0	0	0	0	0	0
Albany Medical C.	15,465	0	15,465	0	0	0	0	0	0
Alfred U. all campuses	8,239	0	0	0	82	599	0	0	7,558
Bard C.	173 i	15 i	81 i	7 i	32 i	17 i	9 i	6 i	6 i
Barnard C.	3,068	81	711	122	392	1,684	70	8	0
Canisius C.	1,106 i	94 i	517 i	43 i	204 i	108 i	57 i	37 i	46 i
Clarkson U.	13,826	0 i	699 i	264 i	3,039 i	0 i	0 i	0 i	9,824 i
Colgate U.	1,308	374	200	112	365	178	79	0	0
Columbia U. in the City of NY	535,424	60,939	363,922	11,122	47,824	4,183	11,229	5,753	30,452
Cooper Union	173	0	0	0	0	0	0	0	173
Cornell U. all campuses	606,804	6,006	376,860	31,616	84,833	6,464	25,750	0	75,275
Fordham U.	3,413	0	1,342	13	11	754	1,293	0	0
Hamilton C. (Clinton, NY)	1,742	315	150	0	868	271	138	0	0
Hofstra U.	846 i	0 i	288 i	0 i	5 i	0 i	0 i	0 i	553 i
Ithaca C.	1,814	0	533	1,092	104	74	11	0	0
Long Island U. all campuses	1,684	749	390	0	85	449	11	0	0
Manhattan C.	505	0	0	0	8	0	0	0	497
Marist C.	520 i	48 i	102 i	46 i	158 i	27 i	12 i	60 i	67 i
Mt. Sinai School of Medicine	225,293	0	225,293	0	0	0	0	0	0
New School, The	5,889	0	256	2,994	0	165	2,474	0	0
NY Institute of Technology all campuses	3,505	0	2,531	0	0	0	460	0	514
NY Medical C.	32,460	0	32,460	0	0	0	0	0	0
NY U.	276,198	319	223,974	14,290	12,650	14,938	8,864	1,163	0
Pace U. all campuses	1,053	120	723	40	4	0	0	0	166
Polytechnic U.	15,295	0	0	2,825	2,499	0	196	0	9,775
Rensselaer Polytechnic Institute	65,571	3,286	1,159	4,982	7,350	1,153	672	0	46,969
Rochester Institute of Technology	21,068	1,631	1,865	1,437	6,309	0	261	154	9,411
Rockefeller U.	198,719	0	185,329	6,746	6,644	0	0	0	0
Skidmore C.	1,138	61	739	107	20	134	77	0	0
St. John's U. (Jamaica, NY)	1,702	0	329	0	462	884	0	27	0
Syracuse U. all campuses	62,020	1,960	3,247	9,243	4,961	4,023	8,992	16,332	13,262
Teachers C. Columbia U.	10,669	0	2,448	90	0	4,072	4,059	0	0
Union C. (Schenectady, NY)	2,571	141	491	210	276	36	799	0	618
U. Rochester	345,337	844	231,559	3,524	11,271	13,884	566	786	82,903
Vassar C.	960 i	0 i	402 i	32 i	122 i	0 i	404 i	0 i	0 i
Yeshiva U.	195,644	0	195,644	0	0	0	0	0	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
North Carolina	1,652,049	64,754	1,236,820	50,918	79,444	10,530	72,454	8,292	128,837
Public	833,020	51,840	524,383	40,863	58,695	7,880	46,256	8,250	94,853
Appalachian State U.	1,076	281	283	2	305	38	167	0	0
East Carolina U.	14,240	997	11,578	279	919	13	253	0	201
Elizabeth City State U.	929	252	125	450	0	0	0	0	102
Fayetteville State U.	821	0	110	0	30	275	406	0	0
NC Agricultural and Technical State U.	22,936	0	10,754	598	885	0	1,046	16	9,637
NC Central U.	1,174 i	0 i	817 i	0 i	318 i	0 i	39 i	0 i	0 i
NC State U.	302,596	15,976	145,877	20,246	26,469	0	7,299	4,957	81,772
U. NC Asheville	3,021	2,171	73	205	541	0	17	14	0
U. NC Chapel Hill	441,033	23,272	339,452	13,976	23,398	5,999	34,936	0	0
U. NC Charlotte	16,042	853	2,999	4,350	3,440	59	1,000	263	3,078
U. NC Greensboro	4,843	0	2,953	139	923	414	414	0	0
U. NC Wilmington	20,617	8,027	7,521	245	1,037	709	78	3,000	0
Western Carolina U.	1,516	11	315	153	0	373	601	0	63
Winston-Salem State U.	2,176 i	0 i	1,526 i	220 i	430 i	0 i	0 i	0 i	0 i
Private	819,029	12,914	712,437	10,055	20,749	2,650	26,198	42	33,984
Davidson C.	1,261 i	107 i	590 i	48 i	233 i	123 i	66 i	42 i	52 i
Duke U.	630,752	12,523	528,719	9,073	18,250	2,527	25,728	0	33,932
Shaw U.	1,864	284	1,443	137	0	0	0	0	0
Wake Forest U.	185,152	0	181,685	797	2,266	0	404	0	0
North Dakota	149,994	6,691	71,750	1,377	14,272	2,850	10,874	9,134	33,046
Public	149,994	6,691	71,750	1,377	14,272	2,850	10,874	9,134	33,046
Mayville State U.	185	0	185	0	0	0	0	0	0
ND State U. all campuses	103,011	181	56,939	1,297	13,116	2,714	10,806	6,232	11,726
U. ND all campuses	46,798	6,510	14,626	80	1,156	136	68	2,902	21,320

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Ohio	1,530,915	20,687	940,126	54,952	96,135	18,266	57,487	15,989	327,273
Public	1,136,820	19,813	670,553	53,382	85,379	17,006	55,662	15,980	219,045
Air Force Institute of Technology	14,666	49	0	1,858	4,099	0	0	1,156	7,504
Bowling Green State U. all campuses	9,746	526	2,293	536	2,218	1,522	2,536	115	0
Central State U.	1,579	79	158	79	79	0	79	0	1,105
Cleveland State U.	15,884	502	2,946	45	714	86	5,227	0	6,364
Kent State U. all campuses	11,045	714	2,582	677	4,844	1,766	457	0	5
Medical U. OH	21,034	0	21,034	0	0	0	0	0	0
Miami U. all campuses	18,026	564 i	4,314 i	1 i	4,846 i	1,336 i	2,879 i	3,582 i	504 i
Northeastern OH Universities C. of Medicine	5,703	0	5,703	0	0	0	0	0	0
OH State U. all campuses	608,923	10,399	340,909	43,882	31,788	6,947	33,921	9,156	131,921
OH U. all campuses	43,229	1,445	11,747	327	8,048	1,776	1,672	0	18,214
U. Akron all campuses	26,888	467	2,223	657	11,114	133	4,906	0	7,388
U. Cincinnati all campuses	286,036	754	244,581	564	6,646	1,941	3,655	1,718	26,177
U. Toledo	32,351	3,968	6,399	51	8,013	273	197	153	13,297
Wright State U. all campuses	40,328	345	25,393	4,664	2,268	1,226	114	99	6,219
Youngstown State U.	1,382	1	271	41	702	0	19	1	347
Private	394,095	874	269,573	1,570	10,756	1,260	1,825	9	108,228
Case Western Reserve U.	323,618	588	268,303	586	8,994	882	1,708	0	42,557
C. Wooster	570	44 i	3 i	0 i	399 i	115 i	0 i	9 i	0 i
Denison U.	438 i	26 i	85 i	0 i	271 i	0 i	56 i	0 i	0 i
John Carroll U.	506	0	119	344	38	0	5	0	0
Oberlin C.	1,059	140	265	0	586	68	0	0	0
OH Wesleyan U.	459	0	218	0	55	186	0	0	0
U. Dayton	67,445	76	580	640	413	9	56	0	65,671
Oklahoma	291,697	34,405	163,311	7,216	20,775	2,319	15,366	5,155	43,150
Public	278,957	34,201	161,980	3,755	19,386	2,174	14,289	5,155	38,017
Langston U.	4,371	0	4,371	0	0	0	0	0	0
Northeastern State U.	786	0	775	0	8	0	3	0	0
OK State U. all campuses	99,436	1,472	59,077	886	5,637	428	6,140	5,155	20,641
Southeastern OK State U.	485	0	170	0	315	0	0	0	0
U. Central OK	216	0	90	0	9	0	0	0	117
U. OK all campuses	173,663	32,729	97,497	2,869	13,417	1,746	8,146	0	17,259
Private	12,740	204	1,331	3,461	1,389	145	1,077	0	5,133
U. Tulsa	12,740	204	1,331	3,461	1,389	145	1,077	0	5,133

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Oregon	536,228	48,952	364,251	29,566	15,181	7,659	17,753	24,542	28,324
Public	533,460	48,888	363,498	29,372	14,393	7,265	17,635	24,213	28,196
Eastern OR U.	834	160	364	99	123	0	88	0	0
OR Health & Science U.	266,687	0	226,827	18,630	0	0	0	21,230	0
OR Institute of Technology	3,018	20	116	130	0	0	0	0	2,752
OR State U.	180,309	41,170	103,729	4,337	4,230	168	2,460	2,447	21,768
Portland State U.	28,940	4,945	4,545	2,948	2,281	183	10,590	536	2,912
Southern OR U.	1,015	119	413	16	336	0	131	0	0
U. OR	52,657	2,474	27,504	3,212	7,423	6,914	4,366	0	764
Private	2,768	64	753	194	788	394	118	329	128
Lewis and Clark C.	479	0	181	102	146	50	0	0	0
Pacific U.	421	0	0	0	47	0	45	329	0
Reed C.	1,237	0	357	0	477	344	59	0	0
U. Portland	477	55	149	92	39	0	14	0	128
Willamette U.	154	9	66	0	79	0	0	0	0
Pennsylvania	2,353,640	50,990	1,401,722	178,140	151,671	57,288	81,371	34,730	397,728
Public	1,221,436	45,956	696,859	50,943	87,673	43,264	32,049	18,407	246,285
Indiana U. PA all campuses	684	19	21	110	8	110	372	0	44
Lincoln U. (Lincoln University, PA)	526	0	404	0	122	0	0	0	0
PA State U. all campuses	625,764	44,968	198,841	44,294	61,961	22,721	24,648	6,531	221,800
Temple U.	83,062	99	56,742	781	5,280	12,586	3,101	0	4,473
U. Pittsburgh all campuses	510,943	793	440,596	5,659	20,281	7,847	3,923	11,876	19,968
West Chester U. PA	457	77	255	99	21	0	5	0	0
Private	1,132,204	5,034	704,863	127,197	63,998	14,024	49,322	16,323	151,443
Allegheny C.	751	10	270	0	258	0	54	159	0
Arcadia U.	324	9	224	16	28	5	5	2	35
Bryn Mawr C.	4,400	439	453	846	813	365	1,484	0	0
Bucknell U.	1,820	30	300	0	463	0	41	175	811
Carnegie Mellon U.	200,297	676	6,059	109,999	11,743	5,237	10,569	1,545	54,469
Dickinson C.	1,163	460	235	34	369	22	43	0	0
Drexel U.	88,049	0	41,882	2,279	3,213	1,106	0	0	39,569
Duquesne U.	8,096	0	5,493	206	2,283	0	114	0	0
Franklin & Marshall C.	2,225	212	503	22	1,258	92	135	3	0
Gettysburg C.	688	34	262	5	229	112	46	0	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Haverford C.	1,259	0 i	533 i	40 i	583 i	84 i	19 i	0 i	0 i
Juniata C.	721	167	349	0	205	0	0	0	0
Lafayette C.	1,610	52	105	0	318	22	107	501	505
Lehigh U.	36,709	1,987	2,322	1,150	7,810	115	85	0	23,240
Muhlenberg C.	230	0	190	0	40	0	0	0	0
PA C. of Optometry	1,149	0	1,149	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	973	0	973	0	0	0	0	0	0
Philadelphia U.	227 i	19 i	106 i	9 i	42 i	22 i	12 i	8 i	9 i
St. Francis U. (Loretto, PA)	4,981	87	4,894	0	0	0	0	0	0
St. Joseph's U.	3,195	0	581	435	76	244	174	1,685	0
Swarthmore C.	1,992	0	248	36	758	376	150	157	267
Thomas Jefferson U.	107,388	0	107,388	0	0	0	0	0	0
U. PA	654,982	691	528,225	11,688	32,380	6,080	36,185	12,088	27,645
U. Scranton	1,369	0	880	16	447	0	26	0	0
U. of the Sciences Philadelphia	704	0	704	0	0	0	0	0	0
Villanova U.	6,902 i	161 i	535 i	416 i	682 i	142 i	73 i	0 i	4,893 i
Rhode Island	199,709	30,912	90,374	15,599	14,219	4,821	8,402	9,150	26,232
Public	60,252	23,764	17,847	680	739	2,472	22	9,150	5,578
U. RI	60,252	23,764	17,847	680	739	2,472	22	9,150	5,578
Private	139,457	7,148	72,527	14,919	13,480	2,349	8,380	0	20,654
Brown U.	138,262	6,604	71,997	14,919	13,359	2,349	8,380	0	20,654
Providence C.	346	123	214	0	9	0	0	0	0
Roger Williams U. Bristol	849	421	316	0	112	0	0	0	0
South Carolina	486,399	24,388	269,006	7,964	28,695	7,682	19,862	23,482	105,320
Public	482,933	24,153	267,339	7,816	27,825	7,569	19,847	23,473	104,911
Clemson U.	175,127	0	49,709	4,131	11,416	1,232	11,207	19,015	78,417
Coastal Carolina U.	656	573	5	4	73	1	0	0	0
C. Charleston	4,433	2,620	461	205	483	90	173	401	0
Medical U. SC	176,709	0	176,588	0	0	0	0	0	121
SC State U.	3,796	0	834	0	1,821	0	1,076	0	65
U. SC all campuses	122,212	20,960	39,742	3,476	14,032	6,246	7,391	4,057	26,308

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	3,466	235	1,667	148	870	113	15	9	409
Benedict C.	1,494	10	990	96	0	0	0	0	398
Claffin U.	222	0	222	0	0	0	0	0	0
Furman U.	1,477	202	327	41	820	86	1	0	0
Voorhees C.	273 i	23 i	128 i	11 i	50 i	27 i	14 i	9 i	11 i
South Dakota	67,012	2,771	44,486	303	2,075	218	3,334	1,697	12,128
Public	65,636	2,465	43,884	197	2,024	218	3,023	1,697	12,128
Black Hills State U.	1,566	16	1,538	0	12	0	0	0	0
SD School of Mines and Technology	13,347	2,241	0	7	80	0	0	1,615	9,404
SD State U.	32,042	99	26,556	18	513	0	2,050	82	2,724
U. SD	18,681	109	15,790	172	1,419	218	973	0	0
Private	1,376	306	602	106	51	0	311	0	0
Augustana C. (Sioux Falls, SD)	644	0	537	106	0	0	1	0	0
Sinte Gleska U.	732	306	65	0	51	0	310	0	0
Tennessee	726,078	14,398	471,821	17,490	43,468	22,094	26,392	31,037	99,378
Public	339,905	14,079	166,746	16,208	22,338	12,357	22,939	19,067	66,171
East TN State U.	8,098	48	6,555	130	438	181	552	75	119
Middle TN State U.	2,166	14	331	173	534	5	492	0	617
TN State U.	14,669	0	7,779	355	1,329	1	1,091	0	4,114
TN Technological U.	9,312	26	876	262	206	90	4	0	7,848
U. Memphis, The	49,961	8,800	7,385	4,663	1,846	11,658	9,820	2,259	3,530
U. TN Chattanooga	9,954	0	696	403	429	173	1,270	1,037	5,946
U. TN Martin	2,077	2	31	0	0	0	0	2,044	0
U. TN system office	243,668	5,189	143,093	10,222	17,556	249	9,710	13,652	43,997
Private	386,173	319	305,075	1,282	21,130	9,737	3,453	11,970	33,207
Fisk U.	6,000	0	0	0	6,000	0	0	0	0
Meharry Medical C.	29,105	0	29,105	0	0	0	0	0	0
Rhodes C.	286	0	262	0	6	17	1	0	0
U. of the South	349	26	44	30	32	26	77	114	0
Vanderbilt U.	350,433	293	275,664	1,252	15,092	9,694	3,375	11,856	33,207

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Texas	3,073,724	169,139	2,043,519	134,922	197,706	42,081	62,897	13,490	409,970
Public	2,527,304	163,887	1,569,002	121,326	173,100	37,268	61,245	12,207	389,269
Lamar U.	3,375	1,549	37	53	136	4	0	479	1,117
Prairie View A&M U.	11,810	0	6,727	233	1,074	15	14	0	3,747
Sam Houston State U.	1,258	581	268	150	109	33	117	0	0
Stephen F. Austin State U.	4,144	95	3,554	19	55	12	38	371	0
Sul Ross State U.	2,375	1,221	805	9	0	0	340	0	0
Tarleton State U.	8,512	3,014	4,965	52	468	0	13	0	0
TX A&M International U.	155	110	20	0	24	0	0	0	1
TX A&M U. all campuses	479,735	89,551	171,899	17,393	37,523	2,940	8,759	4,497	147,173
TX A&M U. Commerce	608	0	113	208	256	31	0	0	0
TX A&M U. Corpus Christi	8,845	3,950	1,264	2,624	191	0	65	421	330
TX A&M U. Kingsville	13,389	1,001	10,007	0	93	0	0	24	2,264
TX A&M U. System Health Science Ctr.	73,162	550	70,696	2	25	101	84	0	1,704
TX Southern U.	4,641	0	3,231	25	1,169	0	0	207	9
TX State U. San Marcos	7,261	2,170	1,334	510	2,837	12	160	203	35
TX Tech U.	56,623	7,423	17,174	999	6,412	280	7,825	590	15,920
TX Tech U. Health Science Ctr.	18,697	0	18,697	0	0	0	0	0	0
TX Woman's U.	1,871	0	1,449	7	70	4	15	326	0
U. Houston	80,731	3,998	18,425	8,040	9,288	13,249	4,905	0	22,826
U. Houston-Clear Lake	743	89	234	233	115	7	2	11	52
U. Houston-Downtown	329	0	174	99	47	0	0	0	9
U. North TX	12,617	1,488	2,572	571	2,840	574	1,152	0	3,420
U. North TX Health Science Ctr. Ft. Worth	22,325	0	22,325	0	0	0	0	0	0
U. TX Arlington	28,971	344	1,366	528	5,172	1,450	499	0	19,612
U. TX Austin	410,981	38,858	48,211	58,077	83,371	8,693	29,057	4,451	140,263
U. TX Dallas	43,111	3,363	8,465	8,405	8,569	545	1,026	495	12,243
U. TX El Paso	26,825	2,876	8,221	1,430	2,917	1,044	734	126	9,477
U. TX Health Science Ctr. Houston	152,631	0	152,631	0	0	0	0	0	0
U. TX Health Science Ctr. San Antonio	142,375	0	142,375	0	0	0	0	0	0
U. TX M. D. Anderson Cancer Ctr.	383,780	0	344,804	17,543	9,041	7,851	2,817	0	1,724
U. TX Medical Branch	174,254	0	171,114	0	0	0	0	0	3,140
U. TX San Antonio	22,429	1,112	11,308	3,439	970	298	3,470	0	1,832
U. TX Southwestern Medical Ctr. Dallas	320,800	0	320,800	0	0	0	0	0	0
U. TX Tyler	440	0	265	15	22	8	0	6	124
U. TX-Pan American	4,038	190	1,488	662	100	113	93	0	1,392
West TX A&M U.	3,463	354	1,984	0	206	4	60	0	855

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	546,420	5,252	474,517	13,596	24,606	4,813	1,652	1,283	20,701
Abilene Christian U.	233	0	14	3	208	4	4	0	0
Baylor C. of Medicine	458,694	0	458,694	0	0	0	0	0	0
Baylor U.	6,364	709	1,843	308	1,889	166	121	895	433
Rice U.	63,102	2,066	10,595	12,081	18,690	831	870	0	17,969
Southern Methodist U.	11,839	2,369	2,117	1,029	2,208	1,277	634	358	1,847
St. Mary's U. (San Antonio, TX)	405	0	0	0	0	0	0	0	405
TX Christian U.	4,216	54	609	47	973	2,467	22	0	44
Trinity U.	1,386	44	645	77	548	68	1	0	3
Wiley C.	181	10	0	51	90	0	0	30	0
Utah	400,276	15,750	217,385	20,342	29,029	6,807	5,846	11,408	93,709
Public	376,315	15,458	211,357	19,307	24,331	6,281	4,533	11,408	83,640
U. UT	244,691	8,810	163,694	18,049	20,030	2,897	2,325	0	28,886
UT State U.	131,624	6,648	47,663	1,258	4,301	3,384	2,208	11,408	54,754
Private	23,961	292	6,028	1,035	4,698	526	1,313	0	10,069
Brigham Young U. all campuses	23,961	292	6,028	1,035	4,698	526	1,313	0	10,069
Vermont	117,442	884	102,692	1,711	2,457	1,355	131	6,275	1,937
Public	115,693	786	102,016	1,711	1,505	1,355	131	6,275	1,914
U. VT	115,693	786	102,016	1,711	1,505	1,355	131	6,275	1,914
Private	1,749	98	676	0	952	0	0	0	23
Middlebury C.	1,749 i	98 i	676 i	0 i	952 i	0 i	0 i	0 i	23 i
Virginia	914,166	60,541	474,003	40,439	57,906	19,700	26,957	11,875	222,745
Public	834,360	60,445	437,971	38,409	55,592	19,557	26,738	7,163	188,485
Christopher Newport U.	1,941	0	287	174	1,380	100	0	0	0
C. of William and Mary all campuses	50,146	31,777	2,300	1,445	6,077	440	2,076	6,031	0
George Mason U.	42,630	9,321	5,329	7,122	1,285	2,809	10,151	0	6,613
James Madison U.	5,009	36	1,119	2,633	350	288	220	105	258
Norfolk State U.	6,758	0	381	2,019	3,870	0	0	0	488
Old Dominion U.	47,006	4,223	4,029	4,093	4,614	1,439	2,180	0	26,428
U. VA all campuses	239,061	4,166	164,223	8,627	16,968	7,026	2,046	972	35,033
VA Commonwealth U.	146,105	590	125,944	547	5,954	5,126	1,654	0	6,290
VA Military Institute	662	0	47	23	141	15	12	0	424
VA Polytechnic Institute and State U.	289,994	10,332	129,454	11,710	14,786	2,307	8,399	55	112,951
VA State U.	5,048	0	4,858	16	167	7	0	0	0



TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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	79,806	96	36,032	2,030	2,314	143	219	4,712	34,260
Eastern VA Medical School	33,721	0	33,721	0	0	0	0	0	0
Hampton U.	42,969	87	1,197	1,958	815	0	0	4,652	34,260
Roanoke C.	518	0	161	5	220	0	132	0	0
U. Richmond	2,097	9	779	13	1,009	143	84	60	0
Washington and Lee U.	501	0	174	54	270	0	3	0	0
Washington	901,102	88,272	598,337	7,598	53,304	12,255	36,450	6,923	97,963
Public	899,158	87,956	597,725	7,595	52,877	12,255	36,332	6,809	97,609
Central WA U.	1,893	871	164	36	81	0	741	0	0
Eastern WA U.	1,711	77	139	20	55	25	1,375	0	20
Evergreen State C.	647	230	105	107	0	0	0	205	0
U. WA	707,519	82,035	485,173	6,239	36,411	9,733	16,232	0	71,696
WA State U.	182,677	3,297	110,356	1,142	15,624	2,105	17,735	6,542	25,876
Western WA U.	4,711	1,446	1,788	51	706	392	249	62	17
Private	1,944	316	612	3	427	0	118	114	354
Heritage U. (Toppenish, WA)	266	0	266	0	0	0	0	0	0
Seattle U.	764	24	53	0	333	0	0	0	354
U. Puget Sound	319	58	26	3	0	0	118	114	0
Whitman C.	595	234	267	0	94	0	0	0	0
West Virginia	145,150	7,575	89,124	1,445	6,463	639	3,362	528	36,014
Public	140,885	7,212	87,129	1,281	5,678	224	3,140	384	35,837
Bluefield State C.	359	0	359	0	0	0	0	0	0
Marshall U.	22,321	70	12,919	5	346	0	77	0	8,904
WV School of Osteopathic Medicine	270	0	270	0	0	0	0	0	0
WV State U.	2,537	25	2,374	68	70	0	0	0	0
WV U.	115,398	7,117	71,207	1,208	5,262	224	3,063	384	26,933
Private	4,265	363	1,995	164	785	415	222	144	177
Wheeling Jesuit U.	4,265 i	363 i	1,995 i	164 i	785 i	415 i	222 i	144 i	177 i

TABLE 26. R&amp;D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Wisconsin	998,449	82,708	646,147	22,739	61,741	31,150	48,604	936	104,424
Public	841,943	82,708	498,087	22,404	60,644	30,882	48,217	936	98,065
U. WI Eau Claire	1,146	137	175	152	602	54	26	0	0
U. WI Green Bay	1,416	1,157	0	11	0	1	141	106	0
U. WI La Crosse	2,312	8	541	297	443	3	819	201	0
U. WI Madison	798,099	72,681	488,831	20,032	52,715	29,796	40,905	157	92,982
U. WI Milwaukee	32,748	7,001	5,866	1,298	6,239	879	6,247	236	4,982
U. WI Oshkosh	1,067	11	641	25	138	104	18	130	0
U. WI Parkside	577	33	310	143	48	23	19	1	0
U. WI Platteville	447	9	292	18	30	0	0	1	97
U. WI River Falls	345	12	121	1	202	0	9	0	0
U. WI Stevens Point	1,926	727	1,005	95	77	3	15	0	4
U. WI Stout	415	0	119	161	0	19	12	104	0
U. WI Superior	1,140	930	18	171	21	0	0	0	0
U. WI Whitewater	305	2	168	0	129	0	6	0	0
Private	156,506	0	148,060	335	1,097	268	387	0	6,359
Marquette U.	10,338	0	4,031	335	1,061	268	387	0	4,256
Medical C. WI	143,540	0	143,540	0	0	0	0	0	0
Milwaukee School of Engineering	2,628	0	489	0	36	0	0	0	2,103
Wyoming	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
Public	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
U. WY	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
Guam	9,106	1,457	5,208	0	0	0	503	1,878	60
Public	9,106	1,457	5,208	0	0	0	503	1,878	60
U. GU	9,106 i	1,457 i	5,208 i	0 i	0 i	0 i	503 i	1,878 i	60 i
Puerto Rico	100,235	7,530	61,092	1,799	14,285	1,787	2,712	766	10,264
Public	80,387	7,290	42,756	1,690	13,763	1,515	2,561	668	10,144
U. PR Humacao U. C.	3,540	0	191	223	3,119	0	7	0	0
U. PR Mayaguez Campus	20,492	5,011	863	735	3,306	0	224	530	9,823
U. PR Medical Sciences Campus	35,809	0	35,809	0	0	0	0	0	0
U. PR Rio Piedras Campus	20,546	2,279	5,893	732	7,338	1,515	2,330	138	321
Private	19,848	240	18,336	109	522	272	151	98	120
Ponce School of Medicine	7,840	0	7,840	0	0	0	0	0	0
Universidad Central del Caribe	9,181	0	9,181	0	0	0	0	0	0
Universidad del Turabo	150 i	12 i	63 i	6 i	29 i	12 i	12 i	8 i	8 i
Universidad Metropolitana	2,677 i	228 i	1,252 i	103 i	493 i	260 i	139 i	90 i	112 i

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2005

(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
Virgin Islands	16,735	0	7,498	0	0	0	4,638	4,522	77
Public	16,735	0	7,498	0	0	0	4,638	4,522	77
U. of the VI	16,735	0	7,498	0	0	0	4,638	4,522	77

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

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 2005.

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	All institutions	25,857,149	27,532,203	30,069,991	32,805,014	36,384,500	40,074,699	43,228,773	45,750,413
1	Johns Hopkins U., The <sup>a</sup>	853,620	874,518	901,156	999,246	1,140,235	1,244,132	1,375,014	1,443,792
2	U. MI all campuses	496,761	508,619	551,556	600,523	673,724	780,054	769,126	808,887
3	U. WI Madison	443,695	499,688	554,361	604,143	662,101	717,044	763,875	798,099
4	U. CA, Los Angeles	447,367	477,620	530,826	693,801	787,598	849,357	772,569	785,625
5	U. CA, San Francisco	379,970	417,095	443,013	524,975	596,965	671,443	728,321	754,444
6	U. CA, San Diego	418,790	461,632	518,559	556,533	585,008	646,508	708,690	721,035
7	Stanford U.	410,309	426,549	457,822	482,906	538,474	603,227	671,046	714,897
8	U. WA	438,191	482,659	529,342	589,626	627,273	684,814	713,976	707,519
9	U. PA	333,477	383,569	430,389	469,852	522,269	564,635	596,756	654,982
10	Duke U.	282,388	348,274	356,625	375,133	441,533	520,191	520,871	630,752
11	PA State U. all campuses	362,643	379,402	427,575	458,066	492,739	533,427	600,139	625,764
12	OH State U. all campuses	301,518	322,810	361,399	390,652	432,387	496,438	518,088	608,923
13	Cornell U. all campuses	363,511	395,552	410,393	443,828	496,123	554,760	575,554	606,804
14	MA Institute of Technology	413,098	420,306	426,299	435,495	446,786	485,764	543,448	580,742
15	U. CA, Berkeley	420,426	451,539	518,514	446,273	474,746	507,186	525,598	554,551
16	U. MN all campuses	360,323	371,384	411,380	462,011	494,265	508,557	526,270	548,873
17	U. CA, Davis	288,796	307,950	364,789	432,396	456,653	482,145	511,757	546,978
18	Columbia U. in the City of NY	267,007	279,587	319,693	354,497	405,403	437,669	468,484	535,424
19	Washington U. St. Louis	269,550	315,606	362,216	406,642	416,960	474,328	489,565	531,846
20	U. FL	274,862	304,447	313,692	347,892	386,316	429,734	447,146	530,734
21	U. AZ	302,328	320,245	345,090	367,128	390,827	454,941	478,680	530,233
22	U. CO all campuses	311,203	318,618 e	353,908 i	365,472	399,818	436,761	482,992	517,067
23	U. Pittsburgh all campuses	213,842	249,477	294,809	348,792	400,200	409,684	461,693	510,943
24	U. IL Urbana-Champaign	329,266	358,247	373,024	390,863	427,174	493,581	506,041	499,711
25	TX A&M U. all campuses	393,720	402,203	397,268	407,041	436,681	456,235	456,809	479,735
26	Baylor C. of Medicine	216,528	272,198	334,175	381,461	411,924	461,763	476,075	458,694
27	Harvard U.	306,100	326,193	341,810	372,107	401,367	408,707	454,495	447,196
28	U. Southern CA	268,806	280,741	300,445	340,597	372,397	414,099	426,665	445,036
29	U. NC Chapel Hill	235,296	252,767	269,072	303,576	370,806	390,542	416,727	441,033
30	Yale U.	262,680	274,050	296,706	321,514	354,243	387,644	422,828	431,618
31	GA Institute of Technology all campuses	259,233	263,725	304,511	306,533	340,347	364,190	410,799	425,386
32	U. TX Austin	244,843	258,122	272,811	295,104	320,966	343,854	343,886	410,981
33	Northwestern U.	223,235	233,809	245,774	257,933	282,154	319,722	358,947	387,242
34	U. TX M. D. Anderson Cancer Ctr.	141,260	155,126	182,196	212,746	262,145	315,169	353,034	383,780
35	Purdue U. all campuses	216,479	226,411	234,536	254,917	285,778	309,476	365,779	364,986

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
36	LA State U. all campuses	208,928	225,808	251,233	268,911	287,363	314,446	341,634	356,828
37	Vanderbilt U.	135,214	149,675	171,926	186,504	208,305	276,074	318,335	350,433
38	U. Rochester	174,617	177,126	197,335	234,261	261,601	285,768	312,303	345,337
39	U. MD College Park	223,190	257,628	252,429	267,383	324,980	321,899	325,648	338,648
40	Scripps Research Institute, The	NA	NA	NA	NA	NA	NA	307,910	338,634
41	U. IA	199,063	207,135	236,944	255,348	288,808	292,035	312,914	334,144
42	MI State U.	193,611	207,912	238,436	265,946	289,787	321,410	325,438	333,735
43	Emory U.	172,884	189,170	206,070	236,997	271,238	323,224	311,685	333,665
44	U. NE all campuses	171,309 i	189,480 i	192,639	223,964	247,948	276,424	299,550	333,126
45	Case Western Reserve U.	176,330	182,332	193,057	198,253	219,042	250,674	231,800	323,618
46	U. TX Southwestern Medical Ctr. Dallas	153,711	165,520	189,216	222,376	263,958	276,692	314,403	320,800
47	U. AL Birmingham, The	227,720	232,115	233,461	231,702	255,053	284,497	310,950	318,536
48	U. IL Chicago	151,739	175,093	195,839	233,098	259,852	291,507	312,768	318,279
49	U. GA	217,945	237,493	258,476	272,298	284,660	299,748	313,160	316,806
50	Rutgers, The State U. NJ all campuses	197,053	213,838	225,268	236,793	258,829	278,763	296,534	309,531
51	IN U. all campuses	171,754	194,790	227,737	259,899	299,080	337,669	384,168	307,137
52	U. KY all campuses	161,346	174,034	202,392	211,721	236,275	272,062	297,610	306,653
53	U. MD Baltimore	143,321	140,903	224,346	239,007	266,822	297,271	317,293	304,396
54	NC State U.	254,254	270,621	277,946	299,259	290,018	286,025	292,720	302,596
55	U. Chicago	151,635	162,805	170,678	194,125	225,264	247,322	272,390	293,970
56	VA Polytechnic Institute and State U.	167,118	169,250	192,672	216,323	232,560	247,807	268,752	289,994
57	U. Cincinnati all campuses	159,695	153,002	171,906	192,895	216,652	254,101	276,326	286,036
58	U. CA, Irvine	130,415	141,842	158,437	179,866	209,469	234,656	257,024	276,763
59	NY U.	156,452	167,179	182,205	190,722	222,978	241,593	259,333	276,198
60	SUNY Buffalo all campuses	151,650	166,823	187,692	186,829	226,959	240,180	258,952	267,271
61	OR Health & Science U.	109,374 i	120,429 i	131,486	136,785	158,729	197,178	254,447	266,687
62	CA Institute of Technology	185,066	212,216	222,666	215,085	220,004	240,664	261,098	265,364
63	SUNY Albany	50,568	64,278	82,792	70,119	67,493	120,655	203,977	259,708
64	U. South FL	104,325	123,961	145,397	171,550	197,894	213,249	240,021	259,218
65	U. TN all campuses	150,694	158,930	163,690	161,898	188,261	217,389	228,760	255,699
66	Boston U.	130,054	141,102	154,029	172,031	192,612	224,841	240,867	246,520
67	U. UT	142,956	153,843	187,661	197,597	216,707	223,739	230,146	244,691
68	U. of Medicine and Dentistry NJ	114,491	126,277	140,951	162,417	178,156	190,763	209,134	239,778
69	U. VA all campuses	139,135	131,138	140,416	149,547	182,340	206,199	228,532	239,061
70	CO State U.	140,179	150,281	152,279	161,144	178,845	187,054	214,886	236,211

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
71	U. HI Manoa	148,007	156,810	161,300	156,976	161,823	179,285	236,368	230,651
72	Wayne State U.	138,456	146,832	156,814	175,984	199,007	214,642	225,475	226,331
73	Mt. Sinai School of Medicine	109,448	127,765	149,846	176,946	185,335	203,853	212,786	225,293
74	U. MO-Columbia	136,061	149,002	158,861	174,782	177,011	205,212	217,550	220,718
75	U. CT all campuses	134,448	134,986	161,084	164,366	172,003	190,341	211,236	219,982
76	SUNY Stony Brook all campuses	141,766	148,982	163,307	168,487	184,045	200,330	213,547	212,289
77	U. Miami	136,972	139,608	145,795	153,772	171,319	177,709	194,446	209,572
78	IA State U.	156,766	161,301	175,558	179,196	188,664	199,566	211,996	209,545
79	Princeton U.	115,996	124,237	134,875	149,411	164,408	179,951	188,373	202,380
80	Carnegie Mellon U.	137,450	142,174	137,980	144,882	188,191	186,351	205,149	200,297
81	Rockefeller U.	115,494	121,519	124,138	145,571	166,603	192,143	192,222	198,719
82	Yeshiva U.	99,000	111,771	139,618	148,230	157,124	177,236	183,253	195,644
83	U. KS all campuses	117,115	132,752	148,670	156,467	172,131	173,024	181,192	190,105
84	Wake Forest U.	76,893	82,827	86,840	98,343	111,634	130,405	133,753	185,152
85	WA State U.	95,422	96,943	104,796	107,937	146,862	175,181	171,735	182,677
86	OR State U.	138,240	139,285	140,751	153,925	161,735	167,631	170,286	180,309
87	MS State U.	100,410	110,896	132,503	146,939	158,652	165,922	191,352	179,825
88	Dartmouth C.	64,964	69,522	78,874	109,096	126,839	155,795	173,266	179,094
89	U. NM all campuses	125,910	115,850	133,980	156,619	150,598	158,239	170,085	178,703
90	Medical U. SC	57,940	55,819	65,243	116,687	132,030	150,551	163,179	176,709
91	U. MA Worcester	82,950	83,040	97,587	111,221	132,729	148,823	169,090	176,349
92	Clemson U.	90,150	99,341	114,903	123,885	134,840	152,986	158,585	175,127
93	U. TX Medical Branch	86,488	93,580	97,896	102,722	129,534	153,122	166,798	174,254
94	U. OK all campuses	126,861	142,085	150,902	148,695	169,373	174,466	158,578	173,663
95	FL State U.	94,463	97,673	105,095	113,817	134,351	152,277	168,132	172,858
96	AZ State U. main campus	92,019	107,184	108,117	118,763	123,016	145,591	152,164	166,923
97	U. CA, Santa Barbara	96,034	104,561	118,154	116,372	131,795	149,130	151,325	165,014
98	U. TX Health Science Ctr. Houston	101,993	105,307	119,587	125,439	138,380	149,294	147,328	152,631
99	VA Commonwealth U.	80,538	79,785	88,220	99,180	109,619	126,451	132,839	146,105
100	Medical C. WI	56,021	61,446	70,581	83,857	96,700	108,608	139,235	143,540
101	U. TX Health Science Ctr. San Antonio	82,357	87,804	103,824	115,154	129,616	133,304	137,039	142,375
102	U. AK Fairbanks all campuses	75,606	88,825	102,500	110,195	116,279	128,916	132,212	139,488
103	Tulane U.	87,858	87,324	89,785	99,761	102,998	117,709	123,677	138,959
104	Brown U.	73,977	76,330	81,476	91,636	109,482	125,090	130,741	138,262
105	Auburn U. all campuses	87,768	80,544	92,612	106,347	108,775	117,000	125,705	132,203

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
106	UT State U.	94,228	95,364	103,161	121,359	121,621	138,862	153,616	131,624
107	Tufts U.	92,130	100,872	105,783	105,806	109,291	112,609	126,432	131,028
108	U. Louisville	39,147	57,051	64,062	72,857	80,974	88,522	110,653	128,347
109	U. MA Amherst	89,970	86,576	96,907	97,976	109,332	113,512	120,788	127,487
110	NM State U. all campuses	77,370	79,877	79,695	86,963	103,078	108,613	93,329	125,427
111	Georgetown U.	116,611	111,426	133,211	99,228	105,668	117,713	126,320	123,938
112	KS State U.	81,233	85,580	91,790	94,030	106,804	112,733	119,306	123,398
113	U. CA, Riverside	79,775	75,821	83,580	94,455	111,936	112,468	110,627	122,221
114	U. SC all campuses	92,785	105,835	104,398	109,973	123,108	121,410	121,671	122,212
115	Woods Hole Oceanographic Institution	75,011	71,722	81,547	91,029	99,964	104,223	114,087	117,517
116	U. VT	57,832	64,049	63,391	75,597	88,602	104,994	114,120	115,693
117	WV U.	62,362	63,392	66,130	71,311	84,985	104,748	108,002	115,398
118	U. DE	69,896	73,521	74,711	77,491	85,157	100,706	109,985	110,339
119	MT State U. Bozeman	52,292	55,475	65,324	69,593	78,211	91,503	97,696	109,465
120	U. NH	52,359	57,613	72,108	87,879	93,222	96,415	103,935	108,378
121	George Washington U.	74,481	66,757	69,300	73,805	86,288	92,454	103,473	107,715
122	Thomas Jefferson U.	69,460	78,410	89,626	88,936	102,974	109,083	112,078	107,388
123	U. CA, Santa Cruz	56,533	52,902	56,212	64,253	70,967	78,448	94,297	105,617
124	ND State U. all campuses	40,007	44,696	50,063	64,882	72,105	91,812	102,115	103,011
125	U. Central FL	35,530	42,466	47,646	79,287	66,351	89,880	103,261	102,702
126	OK State U. all campuses	71,466	83,108	88,285	90,311	94,987	103,079	103,915	99,436
127	U. AR main campus	71,686	61,585	70,817	78,303	83,063	82,277	88,918	98,138
128	U. CA Office of the President	NA	NA	NA	NA	NA	NA	90,233	97,245
129	U. NV, Reno	45,476	47,939	56,248	59,229	66,721	80,553	83,552	95,579
130	U. MS all campuses	28,079	32,129 i	44,927	58,410 i	71,893 i	85,378	79,867	91,913
131	U. AR for Medical Sciences	39,487	44,066	49,074	51,921	45,046	63,677	74,063	91,516
132	U. ID	58,967	62,531	61,347	67,496	76,758	85,213	93,246	91,009
133	Drexel U.	19,603	22,397	24,876	27,698	44,465	69,548	76,120	88,049
134	Rush U.	55,277	60,957	68,189	70,219	79,394	89,196	89,254	83,693
135	U. WY	48,500	47,197	43,094	41,632	41,632 e	60,054	60,054 e	83,449
136	Temple U.	63,024	53,940	52,466	60,182	63,850	71,327	76,055	83,062
137	U. Houston	42,297	43,370	48,902	51,567	59,707	63,455	60,962	80,731
138	Uniformed Services U. of the Health Sciences	20,309	22,898	23,987	23,247	28,630	30,604	89,999	78,694
139	NJ Institute of Technology	40,982	40,982	47,895	62,747	69,138	73,664	74,998	76,920
140	FL International U.	17,880	25,061	34,649	44,291	47,654	52,175	63,545	76,678

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
141	U. ME	33,106	41,452	54,821	64,070	62,149	68,923	81,216	75,066
142	San Diego State U.	41,915	45,579	55,002	58,332	64,302	67,053	66,710	73,887
143	TX A&M U. System Health Science Ctr.	na	na	25,736	40,859	49,636	55,031	64,170	73,162
144	U. of Notre Dame	28,873	30,483	34,524	46,096	52,371	59,803	74,255	71,266
145	U. Dayton	45,000	36,937	39,345	41,343	46,554	52,943	63,734	67,445
146	Medical C. GA	39,806	41,103	45,596	52,191	51,705	56,398	58,808	67,278
147	Rensselaer Polytechnic Institute	38,560	39,034	40,762	45,010	45,955	50,777	56,907	65,571
148	Northeastern U.	26,385	30,209	35,340	34,467	38,540	42,931	47,283	63,514
149	Rice U.	41,067	41,069	41,840	42,675	48,169	52,367	60,872	63,102
150	Syracuse U. all campuses	37,322	39,640	40,063	42,476	45,870	48,846	58,276	62,020
151	U. RI	37,940	44,452	48,135	50,835	53,347	61,818	60,947	60,252
152	U. MD Baltimore County	18,155	21,854	26,044	29,641	36,323	42,906	49,403	58,467
153	Southern IL U. Carbondale	30,490	33,169	36,354	43,207	53,604	53,018	53,953	57,434
154	TX Tech U.	53,126	58,488	66,263	69,918	82,785	92,515	57,592	56,623
155	U. MD Biotechnology Institute	31,861	31,172	29,946	41,627	43,673	45,140	47,725	56,135
156	U. MT, The	20,133	24,372	29,590	33,535	39,367	43,562	51,078	54,685
157	U. AL Huntsville, The	36,946	40,203	41,274	43,731	48,353	46,595	49,259	54,601
158	Brandeis U.	44,589	48,305	47,658	52,818	47,122	50,841	51,498	54,136
159	U. OR	33,315	32,695	35,934	36,881	43,723	44,604	51,956	52,657
160	Naval Postgraduate School	34,095	34,095 e	40,827 i	47,559 i	54,291 i	61,025	56,184 i	51,343
161	GA State U.	31,153	36,523	36,600	38,960	44,564	45,653	45,415	50,262
162	C. of William and Mary all campuses	25,966	31,322	33,299	35,829	39,858	43,974	49,420	50,146
163	U. Memphis, The	22,486	24,280	27,381	29,445	33,625	38,728	44,120	49,961
164	U. NV, Las Vegas	16,912	20,170	24,215	27,008	30,527	42,205	45,429	48,343
165	St. Louis U. all campuses	26,943	27,817	31,002	32,442	35,444	41,189	41,189 e	47,356
166	Old Dominion U.	20,150	23,030	25,058	24,659	29,223	30,324	34,819	47,006
167	U. ND all campuses	16,938	16,999	17,343	19,692	33,973	41,803	49,595	46,798
168	U. LA Lafayette	24,768	30,735	32,692	32,073	47,796	43,769	55,218	44,620
169	Charles R. Drew U. of Medicine and Science	17,205 e	24,484	31,045	36,717	48,839	49,888	51,994	43,231
170	OH U. all campuses	21,469	21,437	23,767	27,146	36,601	37,527	38,704	43,229
171	U. TX Dallas	15,211	16,028	15,684	15,684 e	26,198	30,748	31,274	43,111
172	Hampton U.	7,140	7,472	9,323	9,158	11,067	18,673	31,645	42,969
173	George Mason U.	22,543	26,766	26,793	32,881	38,849	44,980	46,210	42,630
174	Howard U.	23,673	23,557	27,254	30,148	35,387	37,577	41,404	41,609
175	U. MD Ctr. for Environmental Science	24,038	26,816	31,605	36,635	38,501	38,344	39,631	41,022



TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
176	Loyola U. Chicago	34,241	29,001	30,034	37,156	37,607	37,581	36,134	40,551
177	NM Institute of Mining and Technology	22,791	26,061	23,636	28,392	36,309	37,186	38,476	40,512 i
178	Wright State U. all campuses	19,676	23,131	29,092	32,033	30,962	34,860	38,052	40,328
179	MI Technological U.	26,522	28,074	27,204	29,613	30,005	30,264	35,670	40,188
180	U. MO-Rolla	21,740	25,893	25,968	28,799	32,222	35,999	41,242	38,337
181	U. Southern MS	11,117	16,211	17,706	20,286	25,685	35,049	35,908	37,881
182	Lehigh U.	26,115	27,902	25,506	29,058	22,687	29,211	32,048	36,709
183	Jackson State U.	6,111	8,823	12,027	25,663	25,445	28,843	31,641	35,876
184	U. PR Medical Sciences Campus	19,830	17,114	21,373	23,913	29,089	31,124	34,092	35,809
185	SUNY Upstate Medical U.	14,089	15,099	17,095	17,294	22,326	25,931	32,090	34,931
186	Desert Research Institute	21,500	23,376	25,691	29,697	29,465	31,757	34,783	34,570
187	U. AL, The	23,935	28,909	31,847	33,133	37,130	34,187	35,132	34,531
188	Eastern VA Medical School	21,672	24,096	23,299	26,250	28,572	32,801	33,798	33,721
189	CUNY Hunter C.	13,497	15,934	15,047	19,964	25,905	32,704	34,931	33,024
190	San Jose State U.	21,005 e	21,005 e	21,005 e	22,709	25,003	28,323	29,268	32,886
191	U. WI Milwaukee	20,807	21,325	20,010	23,492	24,933	27,259	28,268	32,748
192	Wichita State U.	13,117	14,555	16,213	16,142	18,842	22,401	29,948	32,726
193	NY Medical C.	19,159	20,436	23,348	24,283	25,222	30,492	33,521	32,460
194	U. Toledo	11,512	11,819	13,694	16,278	24,825	24,123	27,708	32,351
195	SD State U.	15,631	15,599	16,784	19,717	20,085	27,652	30,962	32,042
196	Boston C.	17,774	21,726	27,767	30,768	31,754	32,158	32,158 e	31,588
197	U. MO-Kansas City	12,875	14,331	19,647	18,795	24,060	31,104	31,968	30,780
198	Morehouse School of Medicine	13,614	13,622	16,889	19,670	23,956	27,154	33,317	30,652
199	Loma Linda U.	12,788	18,818	24,369	24,183 i	23,996	26,296	29,651	29,898
200	SUNY Health Science Ctr. Brooklyn	27,517	28,840	31,626	31,626 e	31,153 i	30,680 i	30,207 i	29,732
201	U.S. Air Force Academy	4,163	3,761	4,551	5,323	25,589	27,198	29,998	29,438
202	Meharry Medical C.	11,212 e	9,460	9,460 e	14,984 i	20,508	25,427	27,507	29,105
203	U. TX Arlington	19,075	11,450	10,723	17,486	15,097	15,102	19,003	28,971
204	Portland State U.	10,507	13,940	16,494	16,838	17,683	21,433	21,433 e	28,940
205	CUNY The City C.	21,147	15,888	17,059	17,099	17,103	17,712	25,947	27,471
206	FL Atlantic U.	14,265	17,151	19,535	25,111	23,995	25,946	23,767	27,388
207	Creighton U.	15,011	16,015	15,841	17,674	18,982	24,116	25,451	27,022
208	U. Akron all campuses	16,326	16,279	19,495	22,266	28,080	27,953	27,488	26,888
209	U. TX El Paso	14,092	21,961	20,877	21,889	23,684	27,185	25,440	26,825
210	CO School of Mines	20,681	21,715	21,795	23,654	26,515	29,162	27,087	26,499

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
211	FL A&M U.	19,066	21,622	21,612	23,865	31,147	23,503	31,408	26,400
212	SUNY Binghamton	20,754	17,998	18,661	18,992	21,343	23,090	25,405	25,769
213	IL Institute of Technology	14,013	13,438	13,734	14,722	19,909	25,744	22,948	25,498
214	Brigham Young U. all campuses	11,963	23,985	17,237	19,171	21,228	22,557	23,565	23,961
215	U. MA Lowell	19,372	19,413	19,334	20,656	22,827	22,783	22,163	23,852
216	San Francisco State U.	5,079 i	5,000 e	5,223 e	5,223 e	14	12,500	42,903	23,655
217	Stevens Institute of Technology	12,944	13,794	15,879	13,855	13,855 e	18,334 i	22,814	22,997
218	NC Agricultural and Technical State U.	14,816	14,741	13,400	15,629	15,353	17,304	19,534	22,936
219	Northern AZ U.	11,652	11,857	12,570	14,657	17,263	17,446	19,967	22,870
220	U. TX San Antonio	7,220	7,780	10,292	11,331	11,115	13,654	15,738	22,429
221	U. North TX Health Science Ctr. Ft. Worth	8,921	9,689	10,131	11,035	12,893	15,388	18,520	22,325
222	Marshall U.	25	66	6,231	7,218	11,285	15,070	20,221	22,321
223	Catholic U. America, The	9,418	13,317	9,329	17,539	22,883	24,475	23,610	21,489
224	Rochester Institute of Technology	8,133 e	9,340 e	4,755	11,416	13,500	17,197	19,423	21,068
225	Medical U. OH	11,425	12,467	13,747	15,276	17,040	18,233	20,159	21,034
226	Southern IL U. Edwardsville	966	1,316	1,344	1,270	14,043	17,100	18,973	20,883
227	U. NC Wilmington	7,208	7,647	7,859	10,307	14,568	12,762	14,381	20,617
228	U. PR Rio Piedras Campus	9,959	9,885	9,308	10,341	9,736	11,473	12,417	20,546
229	U. PR Mayaguez Campus	51,181	55,648	34,683	18,627	19,939	20,029	16,686	20,492
230	Mercer U. all campuses	14,995	17,250	18,138	15,337	12,998	14,996	18,437	20,042
231	ID State U.	10,016	5,642	8,899	8,847	10,119	12,243	14,385	19,700
232	U. MA Dartmouth	4,902	5,820	6,905	9,488	15,030	16,476	18,074	19,452
233	U. South AL	11,990	11,990 e	9,865	9,865 e	17,692	19,371	20,096	19,431
234	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	NA	NA	19,827	18,697
235	U. SD	4,959	5,762	4,742	5,546	8,368	11,148	15,523	18,681
236	U. MA Boston	11,491	11,132	12,058	11,672	13,121	15,793	15,460	18,148
237	Miami U. all campuses	6,738	10,964	10,674	12,804	13,279	13,727	15,377	18,026
238	Western MI U.	11,532	13,727	14,230	14,976	19,023	21,571	13,912	17,518
239	U. of the VI	4,828 e	3,310	3,310 e	8,645 i	13,981	15,762	17,874	16,735
240	AL A&M U.	14,143	11,562	8,238	11,977 i	15,717	36,856	17,429	16,075
241	U. NC Charlotte	6,669	9,041	7,790	7,905	8,773	12,599	17,425	16,042
242	Cleveland State U.	11,211 e	11,893 e	10,214	12,986	13,855	14,112	16,888	15,884
243	LA Tech U.	7,659	7,659 e	10,228	9,986	12,110	15,055	16,118	15,832
244	Albany Medical C.	8,236	10,377	11,522	12,836	13,104	13,394	15,562	15,465
245	Polytechnic U.	6,373	9,050	15,500	8,277	10,915	11,271 i	11,627	15,295

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
246	Worcester Polytechnic Institute	9,637	9,618	10,315	9,348	10,493	12,357	14,045	14,679
247	TN State U.	9,329	10,762	11,285	12,791	15,262	14,306	15,255	14,669
248	Air Force Institute of Technology	4,240	4,316	7,771	8,311	9,243	12,454	13,001	14,666
249	East Carolina U.	7,644	9,014	8,461	10,535	11,513	12,520	13,296	14,240
250	Clarkson U.	6,345	6,989	7,751	8,322	8,322 e	7,466	14,703	13,826
251	U. AK Anchorage all campuses	0 e	4,782	4,782 e	8,233 i	11,685 e	12,326	13,285	13,594
252	CA State U. Fresno	10,345	11,450	11,598	4,531	9,398	13,558	15,211	13,498
253	TX A&M U. Kingsville	7,317	6,397	7,404	6,919	8,208	10,203	11,102	13,389
254	SD School of Mines and Technology	4,550	4,161	5,743	6,922	9,692	10,853	10,626	13,347
255	Embry-Riddle Aeronautical U.	2,647	2,647 e	2,700 e	7,711	5,102	6,641	8,558	13,325
256	Clark Atlanta U.	29,637	19,467	16,891	17,173	17,194	12,760	13,576	12,790
257	U. Tulsa	8,235	10,040	10,054	12,553	11,603	11,527	15,375	12,740
258	U. North TX	8,813	7,487	9,108	14,224	13,227	13,990	11,958	12,617
259	U. MO-St. Louis	9,462	10,294	9,898	10,084	11,519	12,819	12,429	12,056
260	SUNY C. of Environmental Science and Forestry	22,036	25,385	26,663	27,854	26,337	26,783	19,419 i	12,054
261	Rosalind Franklin U. of Medicine and Science	6,672 e	6,764	7,587	8,037	8,645	9,923	10,614	11,920
262	Southern Methodist U.	7,964	9,401	9,713	8,948	9,774	9,890	10,432	11,839
263	Prairie View A&M U.	9,952	10,157	9,464	11,297	10,444	11,193	10,989	11,810
264	U. Denver	10,589	10,247	8,383	12,944	10,539	9,949	12,500	11,716
265	Northern IL U.	6,725	6,455	7,431	9,028	10,366	12,368	11,687	11,239
266	CA State Polytechnic U. San Luis Obispo	5,972	11,892	12,133	12,193	14,002	13,598	9,417	11,235
267	Kent State U. all campuses	12,690	11,083	10,817	11,316	12,868	14,549	12,712	11,045
268	Tuskegee U.	37,354	9,223	8,893	9,539	9,965	10,067	11,519	10,966
269	Teachers C. Columbia U.	6,775	7,206	8,561	9,676	10,409	9,603	9,684	10,669
270	Marquette U.	6,763	6,469	7,653	7,236	9,807	11,385	9,652	10,338
271	CA State U. Los Angeles	1,033 i	535	9,062	5,557	7,933	7,073	8,728	10,130
272	Bowling Green State U. all campuses	3,392	3,454	3,454 e	5,028	5,327	7,336	8,271	9,746
273	U. West FL	4,294	4,588	6,248	7,395	8,652	15,354	7,805	9,712
274	U. HI Hilo	NA	NA	NA	NA	10,841	5,317	4,978	9,596
275	CA State U. Long Beach	18,563 i	31,283	32,551	3,995	8,026	13,732	9,877	9,594
276	Morgan State U.	3,981	1,066	4,371	2,390	1,674	7,493	8,580	9,544
277	TN Technological U.	9,661	9,204	8,878	9,347	9,823	9,609	8,779	9,312
278	Universidad Central del Caribe	3,558 i	4,660	5,677	6,943	7,103	8,274	9,797	9,181
279	Boise State U.	3,412	3,501	3,480	6,153	6,446	7,583	9,126	9,162
280	U. GU	2,819	2,829	4,130	3,752	4,571	6,989	9,458	9,106 i

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
281	CA State U. San Bernardino	390	3,301	1,797	1,906	3,740	7,576	8,755	8,905
282	TX A&M U. Corpus Christi	ne	ne	5,999	5,606	9,124	10,281	12,266	8,845
283	CA State U. Northridge	2,175	3,230	6,190	6,190 e	10,619	11,638	10,305	8,767
284	Tarleton State U.	3,954	3,905	3,872	6,607	7,871	8,534	7,194	8,512
285	Ball State U.	2,361	2,056	2,429	3,071	4,008	3,878	7,483	8,490
286	Alfred U. all campuses	5,275	5,857	6,442	6,678	6,916	6,360	6,395	8,239
287	East TN State U.	3,152	3,351	6,494	8,222	11,701	12,971	7,788	8,098
288	Duquesne U.	1,297	2,025	2,662	5,003	5,955	6,848	8,082	8,096
289	Humboldt State U.	4,417	5,557	5,557 e	6,282 i	7,123 i	7,573 i	8,391 i	8,078 i
290	Wesleyan U.	5,146	5,373	5,673	5,846	5,614	6,682	7,741	8,036
291	Ponce School of Medicine	2,953 i	3,105	3,403	3,842	4,365	7,491	10,140	7,840
292	U. Baltimore	ne	ne	ne	ne	ne	ne	ne	7,754
293	FL Institute of Technology	5,848	5,830	6,058	6,195	6,669	8,004	7,801	7,539
294	TX State U. San Marcos	3,299	3,597	4,507	8,884	8,109	7,621	9,130	7,261
295	Villanova U.	4,714	3,950	5,280	5,380 i	5,481 e	6,000 i	6,455 i	6,902 i
296	CUNY Queens C.	3,353	3,083	3,827	4,595	6,718	6,430	6,819	6,876
297	Norfolk State U.	2,524	2,995	3,408	3,984	4,967	4,532	6,200	6,758
298	U. AR Pine Bluff	4,151	4,151 e	4,695 i	5,240	5,976	6,543	6,246	6,685
299	U.S. Naval Academy	2,651	2,316	2,786	3,140	2,324	3,451	5,985	6,623
300	Western KY U.	6,342	3,287	3,770	4,165	5,281	4,263	5,729	6,607
301	Oakland U.	7,272	6,422	6,422 e	7,397	6,869	6,175	6,616	6,505
302	Southwest MO State U.	1,797	1,324	1,324 e	1,550	1,888	1,423	2,935	6,367
303	Baylor U.	2,032	2,032 e	3,307	2,698	3,868	4,203	5,242	6,364
304	CA State U. Bakersfield	274 i	200 e	3,703	3,703 e	4,344 i	4,985 i	5,626 i	6,268
305	Alcorn State U.	5,119	5,223	8,034	7,370	5,809	7,619	7,622	6,256
306	Fisk U.	2,909	4,034	3,401	2,722	3,030	3,000	5,000	6,000
307	Xavier U. LA	5,388	3,294	3,425	5,113	6,413	5,515	5,585	5,972 i
308	MT Tech of the U. MT	4,230 i	4,613	4,155	4,616	4,797	6,155	5,952	5,947
309	CUNY Graduate Ctr.	5,109	1,098	739	2,906	2,391	3,068	5,106	5,943
310	Eastern MI U.	1,444 i	1,512	4,118	2,992	3,164	4,051	3,266	5,910
311	New School, The	3,705	5,230	5,209	5,791	5,791 e	3,435	5,642	5,889
312	Nova Southeastern U.	1,986	3,106	2,919	2,594	3,327	4,752	5,139	5,789
313	Northeastern OH Universities C. of Medicine	2,918	3,389	4,011	4,532	4,525	4,364	5,601	5,703
314	U. MD Eastern Shore	2,265	2,508	3,895	5,626	5,905	5,124	5,272	5,568
315	U. LA Monroe	6,140	8,135	8,135 e	7,373 i	6,611 i	5,849 i	5,086	5,524

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
316	DE State U.	2,883	2,765	3,415	2,494	3,162	3,944	4,678 i	5,412
317	IL State U.	4,688 e	4,326	4,434	3,902	3,848	3,963	4,498	5,203
318	VA State U.	3,338	2,611	4,422	5,066	7,144	7,209	5,953	5,048
319	James Madison U.	1,568	1,781	1,121	1,449	2,867	4,484	5,442	5,009
320	St. Francis U. (Loretto, PA)	ne	ne	ne	ne	ne	ne	ne	4,981
321	Rowan U.	ne	ne	ne	ne	ne	6,011	6,177	4,944
322	Central MI U.	0	755	755 e	2,032	2,252	2,339	5,681	4,938
323	Rose-Hulman Institute of Technology	1,035 i	1,132	4,994	18,540	7,912	13,201	6,388	4,914
324	U. NC Greensboro	2,619	2,368	2,368 e	3,881	4,454	3,454	3,762	4,843
325	Western WA U.	3,716	3,894	3,433	3,560	4,019	4,716	4,519	4,711
326	TX Southern U.	2,690	2,507	2,182	2,468	4,189	3,088	4,088	4,641
327	Southern U. and A&M C. all campuses	9,063	9,296	8,302	7,306 i	6,310 i	5,314 i	4,317	4,545 i
328	Clark U.	2,147	2,651	2,908	3,039	3,418	5,638	5,638 e	4,480
329	U. CA, Merced	na	na	na	na	na	na	na	4,468
330	C. Charleston	1,989	2,100	3,047	3,069	3,295	3,716	4,875	4,433
331	U. DC	3,074	3,394	2,737	3,001	4,223	4,125	4,693	4,426
332	Bryn Mawr C.	4,231	3,929	2,791	3,066	3,502	4,705	5,664	4,400
333	Langston U.	2,031	2,340	2,553	2,863	3,975	4,332	3,578	4,371
334	U. AR Little Rock	ne	ne	3,400 e	2,088	2,088 e	24,284	4,127	4,345
335	DePaul U.	1,233	1,028	863	1,628	2,389	3,086	3,748	4,321
336	Wheeling Jesuit U.	ne	ne	ne	ne	ne	ne	ne	4,265 i
337	Wellesley C.	4,943 e	5,128 i	5,313 i	5,498	5,498 e	5,733	5,714	4,252
338	TX Christian U.	3,125	4,061	3,050	3,678	3,300	3,693	3,960	4,216
339	CA State U. Fullerton	1,749 e	3,632 i	5,515 i	7,398 i	9,282	5,318	4,432	4,167
340	Stephen F. Austin State U.	4,213	4,892	5,289	4,994	5,582	4,954	3,663	4,144
341	CA State U. Monterey Bay	ne	ne	ne	1,911	1,911 e	2,644	3,002	4,045
342	U. TX-Pan American	1,664	1,684	1,688	2,279	2,336	2,920	3,747	4,038
343	AR State U. main campus	962	1,527	1,203	1,347	1,278	2,634	4,572	4,035
344	CUNY Herbert H. Lehman C.	1,308 i	1,370	1,632	2,255	2,955	3,981	3,291	4,019
345	U. Central AR	ne	ne	1,758	2,405	2,306	3,229	3,559	3,950
346	SC State U.	2,885	2,900	2,915	2,915 e	2,931	3,225	3,548	3,796
347	U. of the Pacific	886	999	1,020	1,241	1,891	1,877	2,961	3,750
348	CUNY Brooklyn C.	3,132 e	5,293	6,342	6,442	6,217	5,575	3,917	3,731
349	Morehouse C.	592 e	2,853	2,853 e	2,994 i	3,135 i	3,276 i	3,417 i	3,559
350	U. PR Humacao U. C.	ne	ne	ne	ne	ne	ne	3,382	3,540

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
351	Murray State U.	2,043	1,966	2,084	2,331	2,112	2,778	4,059	3,506
352	NY Institute of Technology all campuses	295	370	390	571	380	1,928 i	3,476	3,505
353	West TX A&M U.	2,551	2,267	1,751	4,515	5,261	4,734	3,879	3,463
354	Williams C.	1,853 e	1,853 e	1,853 e	2,407 i	2,961	3,295	3,130	3,459
355	U. North FL	ne	ne	ne	1,222	2,061	4,421	3,029	3,448
356	Seton Hall U.	2,400	1,116	996	826	1,200	1,779	1,941	3,418
357	Fordham U.	2,247	3,134	3,584	3,639	3,793	3,814	3,391	3,413
358	Lamar U.	3,051	3,739	3,204	3,441	4,030	4,029	3,365	3,375
359	Carleton C.	930 i	927	1,245	1,176	1,688	1,965	1,897	3,365
360	Grand Valley State U.	892	992	1,138	1,161	2,374	2,237	4,408	3,354
361	CA State U. East Bay	1,360 i	1,632 i	1,904 i	2,176 i	2,455	1,559	2,160	3,259
362	Midwestern U. (Chicago, IL)	1,840	1,701	2,470	2,421	2,562	2,725	2,816	3,204
363	St. Joseph's U.	595	311	975	1,628	2,703	2,660	3,250	3,195
364	Mt. Holyoke C.	1,033	1,721	1,835	1,734	2,644	3,174	2,877	3,179
365	CA State U. Dominguez Hills	7,191 i	8,517	998	4,311	3,970	4,503	5,320	3,088
366	Barnard C.	1,172	1,181	1,347	1,376	1,064	1,516	1,516 e	3,068
367	C. NJ, The	ne	ne	ne	ne	2,686	2,856 i	3,165 i	3,047 i
368	KY State U.	713	713 e	2,354 i	3,996	6,188	6,395	3,298	3,044
369	U. NC Asheville	706 i	742	861	1,269	1,232	1,108	1,644	3,021
370	OR Institute of Technology	ne	ne	ne	ne	1,025	1,752	2,378	3,018
371	CA State Polytechnic U. Pomona	1,331 i	1,069	1,703	2,498	2,806	3,922	4,059	2,765
372	Spelman C.	1,744	2,007	2,082	3,406	3,082	2,298	2,481	2,759
373	Smith C.	1,295	1,107	2,582	2,578	1,827	2,194	2,631	2,749
374	Amherst C.	1,573	1,498	1,859	1,802	2,115	2,115 e	2,604	2,725
375	Hampshire C.	2,972	2,900	2,658	3,152	3,224	2,754	3,051	2,723
376	FL Gulf Coast U.	ne	ne	ne	ne	ne	ne	1,407	2,678
377	Claremont Graduate U.	401	1,870	2,416	2,369	1,949	1,652	2,295	2,677
378	Universidad Metropolitana	ne	ne	ne	ne	ne	ne	ne	2,677 i
379	Southern CT State U.	209 i	188	596	596 e	361	2,911	424	2,671
380	St. Cloud State U.	1,935	1,935 e	1,935 e	2,066 i	2,197 i	2,329	2,005	2,657
381	Lincoln U. (Jefferson City, MO)	3,313	2,686	2,502	2,236	3,291	2,601	2,181	2,656
382	Milwaukee School of Engineering	1,704	1,776	2,020	2,117	2,499	2,448	3,146	2,628
383	CA State U. Chico	3,376	3,106	2,390	3,904	5,486	4,427	4,500 e	2,620
384	CUNY C. Staten Island	1,014	979	1,208	1,635	1,944	2,540	2,730	2,577
385	Union C. (Schenectady, NY)	694	1,043	1,002	1,045	2,316	2,086	4,068	2,571

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
386	Albany C. of Pharmacy	ne	ne	1,360	1,208	906	894	855	2,565
387	WV State U.	119	55	55 e	63 e	519 i	975 i	1,433	2,537
388	Pittsburg State U.	1,631	1,614	1,663	2,161	1,951	1,894	2,101	2,522
389	Ft. Valley State U.	2,989	2,937	2,768	2,768 e	2,985	2,892	2,596	2,497
390	SUNY C. of Optometry	668	1,135	1,001	1,435	1,750	3,187	2,435	2,481
391	Savannah State U.	331	513	905	2,181	2,206	2,150 i	2,094	2,421
392	Sul Ross State U.	602	630	796	779	767	838	1,058	2,375
393	U. WI La Crosse	1,185	1,113	1,404	1,563	1,939	1,483	1,963	2,312
394	U. Northern CO	736 e	701	1,128	1,265	1,376	2,240	1,966	2,269
395	Bowdoin C.	474	510	576	512	1,176	1,673	2,073	2,254
396	Morehead State U.	859 i	983 i	1,107 i	1,231 i	1,355 i	1,487	1,443	2,254
397	Franklin & Marshall C.	1,158	1,424	1,188	698	989	1,028	1,300	2,225
398	Gallaudet U.	2,212	2,348	1,752	1,824	1,950	2,013	1,804	2,202
399	Winston-Salem State U.	2,468	1,712	3,447	6,057	2,022	2,022 e	2,073 e	2,176 i
400	Middle TN State U.	297	618	733	799	479	2,219	2,421	2,166
401	Pomona C.	1,010	1,619	1,791	1,298	2,063	1,962	1,996	2,153
402	Occidental C.	2,220 e	862	826	1,543	2,503	2,633	2,371 i	2,109
403	U. Richmond	1,035	1,099	1,178	1,271	1,786	1,470	1,625	2,097
404	Albany State U.	1,019	1,019 e	1,393	1,972	1,987	2,178	2,619	2,091
405	Macalester C.	1,253 i	1,474 i	1,695 i	1,923	3,024	2,091	2,371	2,081
406	GA Southern U.	893 i	833	944	841	1,127	2,488	2,042	2,078
407	Hope C.	1,007 i	1,039	922	1,417	1,514	1,457	2,213	2,060
408	Towson U.	959	1,452	2,138	2,282	2,449	1,265	614	2,041
409	Bowie State U.	4,511	2,675	2,675 e	2,207	2,330	2,206	1,883	2,033
410	Swarthmore C.	996	996 e	996 e	966	1,574	1,717	2,200	1,992
411	U. Southern ME	614	1,366	1,366 e	1,544 i	1,751 i	1,862 i	2,063 i	1,986 i
412	SUNY C. Buffalo	1,157	1,689	1,683	1,552	1,969	2,610	2,375	1,977
413	Christopher Newport U.	ne	ne	ne	ne	ne	2,055	2,029	1,941
414	U. WI Stevens Point	1,112	1,302	1,227	1,827	1,849	1,980	2,042	1,926
415	AL State U.	1,177	1,365	1,365 e	1,433 e	1,433	1,633	1,688	1,900
416	Fairfield U.	845 i	953 i	1,061	1,648	810	1,024	1,926	1,897
417	Central WA U.	1,563 i	1,731	2,006	1,880	1,738	2,698	3,134	1,893
418	TX Woman's U.	2,359	2,179	3,005	2,898	2,822	2,932	2,120	1,871
419	New England C. of Optometry	1,734	1,643	1,228	1,608	2,154	2,166	2,297	1,870
420	Shaw U.	110	100	100 e	487 i	874 i	1,261	1,270	1,864

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
421	Calvin C.	943 i	1,033	1,191	1,300	1,509	1,714	1,907	1,857
422	Chicago State U.	713	1,266	1,263	1,415	1,297	1,155	1,493 i	1,832
423	SUNY C. Plattsburgh	1,133	793	996	1,118	1,061	1,494	1,224	1,823
424	Bucknell U.	1,221 i	1,335	1,835	1,791	1,900	2,123	1,817	1,820
425	Ithaca C.	1,499	2,066	2,565	2,034	2,513	2,187	2,152	1,814
426	Grambling State U.	1,997	1,997 e	2,264	2,264 e	2,452	2,218	1,934	1,784
427	Kettering U.	433	647	625	1,161	1,311	1,295	661	1,758
428	Middlebury C.	753 i	742	1,371	1,285	1,587	1,587 e	1,658 i	1,749 i
429	Hamilton C. (Clinton, NY)	475 e	751 i	1,027	931	1,821	1,459	1,393	1,742
430	Harvey Mudd C.	5,069 i	5,699 e	5,699 e	4,820 i	3,941 i	3,062 i	2,180 e	1,738
431	Loyola C.	1,303	1,445	1,724	954	1,140	454	935	1,729
432	Southeastern LA U.	875 i	976	1,057	645	836	900	1,681	1,714
433	Eastern WA U.	2,445 e	2,356	2,108	2,620	2,275	1,156	1,339	1,711
434	St. John's U. (Jamaica, NY)	1,572	1,617	1,184	1,184 e	1,313 i	1,442 i	1,571 i	1,702
435	Long Island U. all campuses	1,221	1,406	1,267	1,201	1,477	1,769	1,377	1,684
436	U. San Diego	484	343	545	240	2,686	1,046	895	1,683
437	Santa Clara U.	2,189 i	2,326 i	2,509 i	2,723 i	3,024 i	3,364 i	ne	1,632 i
438	Lafayette C.	625	600	665	1,008	1,344	2,065	1,806	1,610
439	Bradley U.	1,493	1,341	1,371	1,197	1,928	1,755	1,638	1,606
440	Central State U.	1,497	1,497 e	560 e	763 i	966 i	1,169 i	1,372 i	1,579
441	Black Hills State U.	ne	ne	ne	ne	ne	ne	1,184	1,566
442	SUNY C. Old Westbury	777	691	1,310	1,310 e	1,214	1,295	1,326	1,565
443	American U.	3,453	2,987	2,245	2,565	4,420	2,517	1,745	1,542
444	Western Carolina U.	442	501	580	763	653	577	2,414	1,516
445	CUNY York C.	1,526	1,392	1,341	1,117	1,664	1,829	1,710	1,513
446	Montclair State U.	300 i	347 i	396	766	889	1,008 i	1,128	1,511
447	Benedict C.	800 i	966 i	1,143	1,044	1,061	1,071	1,035	1,494
448	Furman U.	522	365	793	719	1,414	1,136	1,556	1,477
449	Nicholls State U.	ne	ne	504	687	820	690	1,075	1,475
450	IN State U. all campuses	5,255	4,977	4,196	1,504	1,220	1,369	1,680	1,473
451	CO C.	211	877	1,213	1,548	1,286	1,318	1,377 i	1,452 i
452	U. WI Green Bay	491	478	543	602	900	1,122	1,739	1,416
453	U. Redlands	ne	ne	ne	ne	2,728	1,848	2,038	1,413
454	Trinity U.	971 i	867	1,241	1,241 e	474	935	1,428	1,386
455	Youngstown State U.	898	468	532	849	1,259	1,398	1,831	1,382



TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
456	U. Scranton	2,861 i	3,114 i	3,367 i	3,620 i	3,873	2,599	1,528	1,369
457	Northern KY U.	219 i	185	115	142 i	169	434	876	1,368
458	U. Hartford	397	773	1,061	1,068	1,130	1,336	1,136	1,360
459	U. Northern IA	1,682	1,542	1,744	1,961	2,254	1,821	1,424	1,353
460	State U. West GA	1,235 i	1,442 i	1,655	1,360	1,029	1,034	1,027	1,327
461	Colgate U.	ne	ne	1,664	1,694	1,544	1,425	1,927	1,308
462	Davidson C.	ne	ne	ne	ne	ne	ne	ne	1,261 i
463	Haverford C.	1,303	1,104	1,191	1,178	1,215	1,428	1,679	1,259
464	Sam Houston State U.	4,532	3,892	3,053	2,441	2,976	2,404 i	1,832 i	1,258
465	Colby C.	389	355	392	968	2,929	1,294	995	1,241
466	Reed C.	441 i	400 e	716	814	1,145	1,129	1,295	1,237
467	Trinity C. (Hartford, CT)	1,390 i	1,552	1,010	1,010 e	464	856	768	1,215
468	U. IL Springfield	ne	ne	910	2,025	2,324	1,324	1,491	1,208
469	A.T. Still U. of Health Sciences	509	743	816	907	1,134	691	839	1,206
470	NM Highlands U.	2,669 i	2,712	6,511	2,235	2,706	2,598	2,032	1,202
471	Western IL U.	15,882	10,049	8,489	7,759	7,042	1,350	1,404	1,190
472	Fuller Theological Seminary CA	27 e	80	80 e	298 i	516 i	734 i	952 i	1,174
473	NC Central U.	869	825 e	808 i	913 i	1,035 i	1,100 i	1,219 i	1,174 i
474	Dickinson C.	1,789	948	739	1,528	1,475	1,550	1,608	1,163
475	PA C. of Optometry	394 i	307	581	800	992	1,226	1,509	1,149
476	U. WI Eau Claire	613	604	684	514	839	1,131	1,056	1,146
477	U. WI Superior	383	505	380	404	889	1,057	1,136	1,140
478	Skidmore C.	151	236	314	250	519	632	785	1,138
479	Canisius C.	ne	ne	ne	ne	ne	ne	ne	1,106 i
480	Rider U.	ne	ne	891	884	939	912	1,276	1,096
481	Jacksonville State U.	ne	ne	ne	ne	ne	ne	ne	1,089
482	U. San Francisco	555 i	500 e	700	700 e	695 i	690	1,163	1,082
483	Grinnell C.	332 e	4,300	1,500	560	1,098	977	964	1,079
484	Bates C.	682	754	598	940	1,217	1,340	1,006	1,077
485	Appalachian State U.	558	621	694	752	781	986	555	1,076
486	U. WI Oshkosh	636	603	585	670	662	942	1,252	1,067
487	Oberlin C.	570 i	627 i	691	325	439	471	381	1,059
488	Pace U. all campuses	596	571	289	378	425	425 e	1,099	1,053
489	Southern OR U.	341	320	301	200	585	741	836	1,015
490	SUNY C. Oswego	716	542	744	783	1,112	1,207	2,055	1,010

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
491	Philadelphia C. of Osteopathic Medicine	516	1,050	930	935	891	836	961	973
492	Vassar C.	596 e	1,156 i	1,716	1,716 e	1,527 i	1,338 i	1,149 i	960 i
493	SUNY C. Geneseo	475	543	686	644	682	1,366	862	951
494	Western U. of Health Sciences	295	295 e	332 i	369	1,132	1,005	1,330	946
495	Kansas City U. of Medicine and Biosciences	885	885 e	677	1,166	1,436	1,020	1,098	944
496	Tougaloo C.	1,180	1,227	895	1,007	1,007 i	851 i	889 i	938 i
497	CUNY John Jay C. of Criminal Justice	1,325	1,442	1,274	1,070	844	930	900	932
498	Elizabeth City State U.	684	1,040	1,558	1,248	1,058	1,103	1,044	929
499	Lawrence Technological U.	104	344	821	681	539	471	655	917
500	Drake U.	354 i	349	468	366	1,053	1,053 e	1,255	901
501	CUNY Baruch C.	319 i	526	375	375 e	762	507	687	896
502	Roger Williams U. Bristol	ne	ne	ne	ne	ne	ne	352	849
503	Hofstra U.	717	716	787	661	661 e	735 i	791 i	846 i
504	Chapman U.	301 i	337 i	373	460	1,068	1,016	965	839
505	Eastern OR U.	ne	ne	ne	ne	398	226	288	834
506	Fayetteville State U.	485	265	507	589	311	586	166	821
507	Central CT State U.	213 i	214 i	218	259	283	355	388	812
508	Northeastern State U.	ne	ne	ne	ne	1,314	1,283	1,035 i	786
509	Monmouth U.	382	357	357 e	118	85	316 i	547 i	779
510	Seattle U.	386 i	445 i	504 i	563 i	622 i	681 i	744	764
511	Allegheny C.	697 i	734	318	1,023	1,306	974	1,007	751
512	U. Houston-Clear Lake	1,691	5,963	7,091	11,519	8,362	1,224	754	743
513	Sinte Gleska U.	ne	ne	ne	ne	ne	ne	ne	732
514	Des Moines U. Osteopathic Medical Ctr.	416	673	417	767	767 e	676	676 e	723 i
515	Juniata C.	176 i	164	168	171 e	283	530	898	721
516	NJ City U.	ne	ne	ne	ne	267	326	273	720
517	Dillard U.	175 e	175	264	349	528	668	679	716 i
518	CUNY Medgar Evers C.	ne	ne	291	756	992	670	568	707
519	U. of the Sciences Philadelphia	358	358 e	532	573	833	453	544	704
520	MT State U. Billings	ne	ne	ne	ne	ne	ne	ne	694 i
521	Gettysburg C.	ne	ne	ne	ne	ne	ne	ne	688
522	Indiana U. PA all campuses	512 e	389	731	756	794	841	2,368	684
523	CO State U. Pueblo	824	979	724	753	597	628	786	663
524	VA Military Institute	334	394	470	613	695	904	543	662
525	U.S. Coast Guard Academy	300	570	405	468	1,128	1,166	866	660

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
526	SUNY C. Brockport	609	676	722	722 e	739 i	757	755	659
527	Coastal Carolina U.	ne	ne	1,277	1,038	1,100	940	1,260	656
528	Sonoma State U.	194	134	150	736	341	493	260	650
529	Evergreen State C.	630 i	698 i	766	487	441	511	354	647
530	Augustana C. (Sioux Falls, SD)	334 i	327 i	320 i	313 i	304	324	288	644
531	St. Olaf C.	469 i	506	544	453	847	710	516	643
532	U. AK Southeast all campuses	504 i	593 i	682 i	771 i	868 e	1,171	968	639
533	CT C.	432 e	432 i	423 i	478 i	542 i	593 i	626 i	634 i
534	Loyola Marymount U.	ne	ne	ne	ne	ne	674	736	621
535	McNeese State U.	410	699	639	471	709	743	834	614
536	TX A&M U. Commerce	361	168	327	262	263	303	267	608
537	Augsburg C.	368 i	303	337	497	655	734	493	606
538	MS Valley State U.	350	495	834	1,316	1,030	636	493	606
539	Whitman C.	444	492	483	469	278	619	714	595
540	U. Detroit Mercy	1,853	1,870	1,767	1,236	746	548	548 e	586 i
541	Southern U. New Orleans	ne	ne	183	680	937	587	556	584 i
542	U. WI Parkside	187	158	362	575	769	559	608	577
543	C. Wooster	323	379	593	286	362	413	281 e	570
544	Mt. St. Mary's C. (Los Angeles, CA)	ne	ne	ne	ne	ne	ne	492	570
545	Loyola U. New Orleans	378 i	405 i	432 i	459 i	486 i	513 i	540 i	567
546	SUNY C. Cortland	55	82	362	378	353	446	392	563
547	Hendrix C.	330 i	380 i	430 i	480 i	530 i	580 i	631	550
548	MN State U. Mankato	1,939	564	607	751	1,054	768	929	549
549	Andrews U.	290	290 e	444	712	597	469	584	533
550	Oakwood C.	845	567	567 e	567 i	567 i	479 i	501 i	528 i
551	Lincoln U. (Lincoln University, PA)	1,364	972	709	620	718	704	526	526
552	Truman State U.	754	754 e	665 i	576 i	487	521	588	524
553	Marist C.	ne	ne	ne	ne	ne	ne	ne	520 i
554	Ft. Lewis C.	599	243	191	314	286	231	227	519
555	Roanoke C.	ne	ne	ne	ne	ne	476	554	518
556	John Carroll U.	983 i	1,072	1,072 e	515	823	442	478	506
557	C. of the Holy Cross	430	252	371	664	532	490	683	505
558	Manhattan C.	563	485	509	509 e	257	257 e	381 i	505
559	Washington and Lee U.	428 i	437 i	446 i	455 i	464 i	473 i	482 i	501
560	Maharishi U. of Management	0	0	1,632	1,612	3,112	2,541	2,541 e	492

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
561	MA C. of Pharmacy and Health Sciences	89	89 e	253 i	417	392	1,043	457	489 i
562	Valparaiso U.	571	569	725	391	349	356	551	488
563	Gustavus Adolphus C.	256 i	222	143	284 i	425 i	566 i	707	487
564	Eastern KY U.	30,662 i	36,708	640	770	666	506	345	486
565	Southeastern OK State U.	ne	ne	ne	ne	ne	231	383	485
566	Lewis and Clark C.	468	600	529	420	593	622	399	479
567	Kennesaw State U.	132	142	249	298	221	300	374	477
568	U. Portland	282	387	552	719	639	543	634	477
569	Wabash C.	ne	ne	ne	ne	ne	ne	454	464
570	OH Wesleyan U.	197	255	255 e	269 i	284	284 e	371 i	459
571	St. Mary's C. MD	ne	ne	447	251	274	335	322	459
572	West Chester U. PA	672	769	794	794 e	1,115	883	1,956	457
573	U. WI Platteville	61 i	116 i	171 i	226 i	281 i	336 i	391 i	447
574	U. TX Tyler	ne	ne	ne	ne	ne	ne	ne	440
575	Denison U.	333 i	314	328	384	373	546	415	438 i
576	Simmons C.	838 i	937	912	710	872	978	892	433
577	Kalamazoo C.	279 i	318 i	357 i	396 i	435 i	474 i	519	422
578	Pacific U.	0	0	264	299	157	823	622 i	421
579	U. WI Stout	1,386	976	1,236	1,070	1,358	1,437	1,144	415
580	St. Mary's U. (San Antonio, TX)	0	0	287	362	293	300	512	405
581	Bluefield State C.	15	0	0	0	0	54	156	359
582	Saginaw Valley State U.	943 i	855 i	767 i	679 i	591	442	332	350
583	U. of the South	ne	ne	ne	ne	ne	ne	ne	349
584	Providence C.	62	86	86 e	154 i	223	223 e	286	346
585	U. WI River Falls	242	231	152	288	332	331	345	345
586	Eckerd C.	ne	ne	ne	ne	ne	ne	317 i	334 i
587	U. Houston-Downtown	1,060 i	1,096	837	837 e	1,054	661	627	329
588	Arcadia U.	ne	ne	ne	ne	ne	ne	ne	324 i
589	U. of St. Thomas (St. Paul, MN)	306	78	143 i	209	243	192	281	324
590	National U. of Health Sciences	ne	ne	ne	ne	577	620	401	323
591	IL Wesleyan U.	ne	ne	ne	ne	ne	ne	ne	322
592	Morris Brown C.	525 e	321 i	116	116 e	343	290 i	303 i	320 i
593	U. Puget Sound	287 i	303 i	319 i	335 i	351 i	367 i	398	319
594	U. New Haven	558 e	198	198 e	1,492	1,492 e	1,100 i	708 i	314
595	U. WI Whitewater	282	148	272	260	236	224	341	305

TABLE 27. R&amp;D expenditures at universities and colleges, ranked by FY 2005 R&amp;D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
596	Eastern IL U.	ne	ne	0 e	ne	ne	ne	315 i	303 i
597	Augustana C. (Rock Island, IL)	58 e	88 i	118 i	148 i	178 i	212	599	300
598	AR Tech U.	419	598	419	526	526 e	684 i	842	299
599	Rhodes C.	276 i	277 i	278 i	279 i	280 i	281 i	282 i	286
600	Voorhees C.	ne	ne	ne	ne	ne	ne	ne	273 i
601	WV School of Osteopathic Medicine	146	99	132	129	182	188	245	270
602	Heritage U. (Toppenish, WA)	ne	ne	ne	ne	ne	ne	ne	266
603	Point Loma Nazarene C.	162 i	162 i	165	186	102	155 i	208 i	261
604	New C. FL	ne	ne	ne	ne	132	206	305	259
605	Lake Forest C.	103	190	399	375	283	271	561	242
606	Governors State U.	ne	ne	ne	ne	ne	ne	ne	237
607	Abilene Christian U.	330	272	252	319	254	231	229	233
608	Bridgewater State C.	330 i	260	585	371	473	419	258	230
609	Muhlenberg C.	ne	ne	ne	ne	ne	ne	ne	230
610	Northeastern IL U.	186	101	184	274	216	168	206	227
611	Philadelphia U.	ne	ne	ne	ne	ne	ne	ne	227 i
612	Southeast MO State U.	343 i	250 e	233	223	141	168 i	195 i	223
613	Clafin U.	1,403	555	555 e	2,074	203	293	255	222
614	U. Central OK	215	1,173	509	795	810	180	157	216
615	Pitzer C.	260	297	383	322	287	343	320	205
616	DePauw U.	ne	ne	ne	ne	ne	ne	199 i	201 i
617	Mayville State U.	ne	ne	ne	ne	ne	ne	ne	185
618	Wiley C.	0	0	0	0	15	298	270	181
619	Whittier C.	ne	ne	ne	ne	ne	ne	ne	176 i
620	SUNY Fredonia	118	92	194	224	235	271	193	175
621	Bard C.	ne	ne	ne	ne	ne	ne	ne	173 i
622	Cooper Union	1,515 e	144	284	501	427	502	150	173
623	Fitchburg State C.	34	13	26	53 i	80 i	113 i	150 i	161
624	Goucher C.	ne	ne	ne	ne	ne	ne	150 i	158 i
625	Prescott C.	ne	ne	ne	ne	ne	ne	150 i	158 i

TABLE 27. R&D expenditures at universities and colleges, ranked by FY 2005 R&D expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
626	TX A&M International U.	ne	ne	ne	ne	ne	ne	ne	155
627	Willamette U.	340	58	266	344	254	276	228	154
628	Millsaps C.	ne	ne	ne	ne	ne	ne	ne	150 i
629	Regis U.	124	93	208	208 e	119	ne	ne	150 i
630	Universidad del Turabo	ne	ne	ne	ne	ne	ne	ne	150 i
	All other sampled institutions	161,299	89,225	90,237	78,935	69,794	24,193	3,385	0

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; 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.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

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 2005.

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	All institutions	15,151,768	16,102,526	17,536,376	19,229,040	21,857,191	24,749,557	27,619,832	29,167,128
1	Johns Hopkins U., The <sup>a</sup>	752,983	770,580	793,266	879,741	1,022,510	1,106,971	1,229,426	1,277,292
2	U. WA	342,291	368,112	389,622	435,103	487,059	565,602	625,218	606,317
3	Stanford U.	342,426	353,947	367,083	384,468	426,620	483,540	541,667	574,675
4	U. MI all campuses	311,450	334,226	364,033	396,117	444,255	516,818	521,339	554,516
5	U. WI Madison	240,513	249,212	278,629	304,009	345,003	396,231	434,423	477,582
6	U. CA, Los Angeles	234,005	251,999	274,162	312,858	366,762	421,174	461,145	469,889
7	U. PA	247,914	279,013	312,434	351,996	397,587	415,631	435,343	465,284
8	U. CA, San Diego	263,103	292,007	326,037	343,276	359,383	400,100	465,629	463,946
9	MA Institute of Technology	310,741	308,921	306,668	304,319	330,409	356,206	427,552	457,235
10	Columbia U. in the City of NY	229,723	240,158	283,163	317,928	356,749	385,529	406,576	453,188
11	U. CO all campuses	228,342	244,686 e	300,667 i	308,643	340,466	377,941	414,986	449,366
12	U. CA, San Francisco	219,630	233,181	248,878	277,489	327,393	371,697	418,944	438,988
13	U. Pittsburgh all campuses	168,511	194,618	228,155	268,571	306,913	345,625	394,444	420,281
14	Washington U. St. Louis	187,173	218,598	254,148	284,928	303,441	357,364	371,043	400,699
15	Harvard U.	251,876	266,019	281,699	300,414	336,607	348,620	399,764	395,906
16	Duke U.	172,532	186,757	204,180	218,109	261,356	306,864	347,896	376,568
17	Cornell U. all campuses	204,187	234,792	229,872	240,466	270,578	320,868	339,107	365,694
18	PA State U. all campuses	186,274	199,105	226,074	245,951	284,706	301,094	347,996	358,569
19	Yale U.	205,046	213,404	232,019	250,702	274,304	296,713	330,837	332,702
20	U. Southern CA	190,547	199,619	210,872	246,207	266,645	300,195	312,589	330,126
21	U. NC Chapel Hill	171,505	182,935	194,794	221,615	254,571	280,678	304,204	320,294
22	U. MN all campuses	204,741	207,761	229,958	264,289	295,301	293,266	307,677	319,771
23	Baylor C. of Medicine	110,610	141,111	193,249	234,394	259,475	302,764	312,669	300,638
24	OH State U. all campuses	124,177	135,216	132,219	161,092	177,883	198,488	284,675	294,053
25	U. AZ	161,999	178,126	187,161	199,484	211,772	259,074	283,956	292,811
26	U. CA, Berkeley	171,747	191,025	208,338	208,080	217,297	238,206	268,830	290,960
27	U. IL Urbana-Champaign	171,250	185,767	193,490	195,316	214,323	266,487	275,896	289,985
28	U. AL Birmingham, The	166,830	165,223	175,309	194,625	216,221	245,217	261,664	288,434
29	Vanderbilt U.	106,325	116,887	129,986	146,230	172,858	221,979	261,484	281,694
30	Scripps Research Institute, The	NA	NA	NA	NA	NA	NA	236,989	272,969
31	Emory U.	118,045	132,816	144,914	170,317	186,083	228,255	243,248	266,868
32	U. Rochester	130,773	132,852	150,593	166,945	195,298	208,148	231,193	257,497
33	U. TX Austin	165,082	164,913	178,889	195,184	219,158	231,996	235,281	254,529
34	CA Institute of Technology	177,748	195,303	196,877	193,554	199,944	219,097	244,187	249,371
35	U. Chicago	125,982	135,720	140,872	155,566	183,830	201,129	229,102	245,679

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
36	GA Institute of Technology all campuses	113,643	112,861	126,164	143,836	165,680	203,582	237,483	245,130
37	Northwestern U.	127,911	132,647	150,238	158,129	178,607	200,316	230,593	244,113
38	U. CA, Davis	114,018	124,463	141,740	154,937	176,644	208,327	221,937	240,003
39	U. FL	106,510	122,296	120,374	135,421	167,108	194,958	221,898	231,699
40	Boston U.	104,428	123,390	133,730	150,771	171,438	203,947	219,054	228,842
41	OR Health & Science U.	82,146 i	95,655 i	109,165	111,671	130,231	164,221	206,219	217,145
42	U. IA	115,312	122,638	140,764	155,249	180,743	197,260	209,865	216,354
43	TX A&M U. all campuses	144,938	149,151	149,639	149,382	163,488	177,119	173,705	212,923
44	Case Western Reserve U.	132,274	140,178	150,586	158,852	181,888	205,452	195,525	212,485
45	U. Cincinnati all campuses	90,307	100,325	110,296	128,049	150,166	185,261	194,965	202,654
46	U. TX Southwestern Medical Ctr. Dallas	97,200	101,996	109,165	131,820	155,258	177,196	200,888	202,057
47	U. VA all campuses	99,173	107,856	115,684	122,868	152,358	173,442	188,121	200,726
48	U. IL Chicago	73,797	86,406	101,943	125,109	143,183	168,063	192,825	198,163
49	U. MD College Park	129,198	145,081	136,605	145,515	194,095	183,206	180,943	196,008
50	NY U.	101,426	111,124	117,163	129,897	149,995	166,033	181,441	191,782
51	Mt. Sinai School of Medicine	69,995	84,624	98,188	109,344	125,979	152,719	185,249	191,326
52	U. HI Manoa	86,886	93,418	95,419	97,716	110,882	143,580	187,035	190,137
53	Carnegie Mellon U.	95,046	90,408	91,191	97,463	137,967	157,583	172,858	173,902
54	IN U. all campuses	95,840	102,262	107,577	116,781	132,759	153,625	166,913	171,528
55	U. UT	100,722	111,716	124,344	127,253	142,625	152,112	161,119	168,652
56	U. CA, Irvine	66,602	75,505	88,274	101,735	115,548	133,873	150,995	161,524
57	U. TX M. D. Anderson Cancer Ctr.	63,074	69,413	81,872	94,053	117,633	122,869	150,529	160,953
58	Yeshiva U.	80,000	89,680	101,631	107,800	114,268	128,894	151,520	160,894
59	MI State U.	81,146	89,835	97,112	112,359	122,595	133,820	143,473	156,461
60	U. Miami	101,492	101,883	106,633	111,803	121,171	130,863	141,943	156,059
61	CO State U.	80,451	91,943	101,429	101,308	112,650	117,151	162,074	154,245
62	SUNY Buffalo all campuses	76,037	85,490	96,410	96,595	121,376	129,794	143,865	151,890
63	Purdue U. all campuses	92,844	95,708	92,010	98,151	107,477	129,199	144,090	150,351
64	U. of Medicine and Dentistry NJ	59,828	61,730	75,318	86,054	90,235	105,495	121,812	143,239
65	U. KY all campuses	60,760	66,184	73,858	86,239	100,426	120,003	129,887	142,794
66	U. South FL	35,930	42,005	50,557	58,826	84,108	106,102	126,906	142,580
67	Wake Forest U.	56,705	60,293	65,585	78,021	91,738	108,467	120,075	141,685
68	Rutgers, The State U. NJ all campuses	69,829	75,664	79,711	77,156	91,205	110,041	128,655	137,609
69	U. CT all campuses	53,189	55,496	66,144	70,013	93,326	111,654	127,609	134,347
70	U. MA Worcester	53,766	55,516	64,212	79,453	93,992	109,082	126,162	130,680
71	U. NM all campuses	84,365	84,976	100,442	109,505	104,252	106,541	112,299	129,557
72	U. MD Baltimore	78,037	84,516	91,212	99,091	117,017	126,156	141,221	129,270
73	U. NE all campuses	58,517 i	56,339 i	60,161	69,232	82,728	96,627	115,833	129,216
74	LA State U. all campuses	67,090	75,831	89,007	94,625	97,928	99,143	112,169	128,324
75	SUNY Stony Brook all campuses	91,531	93,937	96,641	93,265	108,122	112,452	123,124	125,781



TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
76	Dartmouth C.	45,053	46,741	56,369	69,844	87,255	106,034	123,109	122,329
77	U. TN all campuses	69,793	70,187	72,059	78,611	88,344	100,486	109,357	121,004
78	Wayne State U.	57,646	57,610	64,320	79,448	95,910	102,963	114,700	120,581
79	Princeton U.	69,005	72,974	74,681	78,620	97,724	104,011	111,435	120,042
80	U. TX Medical Branch	48,588	55,061	61,357	64,682	78,100	93,039	102,491	117,235
81	U. TX Health Science Ctr. Houston	70,446	71,288	79,665	88,545	98,676	107,481	106,737	112,509
82	U. KS all campuses	50,567	57,272	68,950	74,494	82,663	92,888	101,920	110,768
83	VA Polytechnic Institute and State U.	82,734	75,386	71,127	77,384	82,976	98,143	95,669	109,842
84	NC State U.	79,533	80,518	90,725	95,875	91,981	96,157	103,586	109,128
85	OR State U.	82,416	81,649	80,398	84,854	91,683	100,499	104,276	109,030
86	Medical U. SC	36,473	30,997	41,432	60,543	75,803	92,893	103,494	108,196
87	FL State U.	50,451	55,666	56,830	57,075	70,456	87,985	102,967	105,747
88	U. CA, Santa Barbara	68,680	74,026	80,754	76,828	78,370	88,422	92,248	103,955
89	SUNY Albany	33,894	46,242	62,059	46,671	40,497	76,038	94,712	103,941
90	U. GA	54,712	56,080	62,678	66,913	78,086	93,884	96,348	102,966
91	Medical C. WI	43,831	47,087	55,034	64,003	76,241	83,026	100,547	102,859
92	Woods Hole Oceanographic Institution	64,765	59,534	67,036	75,670	78,458	84,410	100,456	100,747
93	Georgetown U.	84,801	83,972	98,836	93,626	75,342	88,463	95,852	100,328
94	Tufts U.	61,167	62,836	64,677	71,669	73,236	78,942	92,997	98,200
95	IA State U.	51,196	54,179	59,976	62,024	71,419	82,297	92,235	98,005
96	VA Commonwealth U.	48,167	48,175	52,137	57,315	65,028	81,201	89,066	97,322
97	U. MO-Columbia	45,448	53,875	65,420	68,435	77,742	84,211	90,304	96,038
98	U. TX Health Science Ctr. San Antonio	51,954	56,904	65,251	71,153	83,761	86,683	89,662	95,125
99	Tulane U.	52,924	50,779	52,080	55,669	64,824	82,118	87,917	94,628
100	AZ State U. main campus	41,359	53,905	49,935	56,616	64,407	71,741	79,877	94,545
101	UT State U.	54,903	54,433	57,378	74,251	79,393	95,494	107,945	92,660
102	NM State U. all campuses	56,587	56,875	57,073	61,124	70,314	75,368	76,396	91,247
103	Brown U.	44,412	45,276	49,943	58,367	68,215	81,445	84,126	90,857
104	U. AK Fairbanks all campuses	31,505	34,647	46,605	55,287	66,169	72,607	75,269	89,637
105	U. OK all campuses	54,451	57,589	60,542	60,264	69,388	75,318	81,048	87,776
106	Thomas Jefferson U.	51,728	56,369	67,448	64,881	79,217	85,348	92,296	86,171
107	Rockefeller U.	43,845	45,010	45,211	55,362	67,559	75,303	82,535	85,552
108	MS State U.	42,004	46,528	53,808	65,493	77,521	79,837	82,205	84,465
109	WA State U.	44,510	44,610	48,441	48,660	61,138	70,653	74,944	80,222
110	U. VT	31,460	36,085	39,861	48,810	58,280	70,832	79,015	79,879
111	George Washington U.	45,072	49,944	49,627	51,757	58,729	68,959	78,192	78,779
112	U. NH	25,913	30,586	38,921	45,223	50,829	59,463	67,917	78,653
113	U. DE	33,688	34,628	37,716	41,830	48,183	69,493	76,583	74,721
114	MT State U. Bozeman	23,982	26,231	30,564	34,857	39,986	53,283	58,874	71,604
115	U. MS all campuses	16,463	19,053 i	28,107	39,451 i	50,795 i	62,140	59,787	67,603

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
116	U. Louisville	15,067	15,536	17,713	25,116	38,978	39,924	54,476	67,104
117	U. MA Amherst	43,196	39,877	44,712	49,576	54,770	60,839	65,452	66,921
118	U. SC all campuses	42,586	48,490	51,872	51,983	53,403	63,044	71,856	65,095
119	Drexel U.	10,929	12,914	14,292	20,159	30,232	49,271	54,963	62,606
120	WV U.	24,985	26,264	28,013	29,440	49,394	60,586	60,819	62,489
121	U. CA, Santa Cruz	29,881	25,084	25,959	29,201	32,901	38,213	53,196	62,301
122	U. NV, Reno	20,383	24,587	26,267	31,386	39,958	47,756	50,787	60,329
123	U. AR for Medical Sciences	21,857	26,392	29,962	34,219	27,491	41,681	53,249	59,053
124	KS State U.	27,001	28,102	31,185	33,998	43,988	53,313	56,088	58,821
125	U. Dayton	36,329	30,755	31,717	34,102	40,191	47,327	56,647	58,782
126	Clemson U.	28,199	27,064	31,304	48,560	47,174	62,552	61,065	56,829
127	Rice U.	34,772	35,012	35,144	35,682	39,739	43,706	51,157	54,735
128	Temple U.	28,793	29,734	38,213	41,643	44,577	51,309	50,456	53,987
129	U. CA, Riverside	22,999	19,994	21,085	25,713	32,305	40,409	40,981	52,919
130	FL International U.	14,243	15,757	20,296	23,940	32,057	40,860	47,913	51,328
131	Auburn U. all campuses	27,706	27,058	31,515	40,097	42,432	45,374	49,565	51,319
132	U. of Notre Dame	23,053	23,614	27,362	29,801	33,285	41,220	48,650	51,072
133	Uniformed Services U. of the Health Sciences	7,547	9,696	11,023	10,105	10,294	9,527	62,408	50,016
134	Rush U.	28,444	31,119	32,573	37,301	44,756	49,834	51,706	49,150
135	U. ID	18,352	24,263	23,014	26,548	33,465	42,861	48,565	47,212
136	Syracuse U. all campuses	29,200	30,050	29,620	30,036	32,704	34,559	43,162	46,945
137	ND State U. all campuses	9,787	12,308	15,463	15,207	21,414	37,940	45,375	46,060
138	St. Louis U. all campuses	23,341	23,722	26,453	28,117	31,215	36,989	36,989 e	44,757
139	U. OR	27,041	27,336	30,793	32,232	37,177	36,127	43,634	43,564
140	U. MD Baltimore County	12,618	15,624	20,244	23,695	29,376	34,164	37,548	43,377
141	Naval Postgraduate School	33,308	33,308 e	39,596 i	45,884 i	52,172 i	58,463	50,771 i	43,079
142	Hampton U.	6,801	7,168	8,994	8,377	10,058	18,417	31,443	42,792
143	U. AL Huntsville, The	23,772	25,166	25,939	30,625	35,660	35,558	39,607	42,358
144	Rensselaer Polytechnic Institute	21,774	22,803	25,555	25,894	26,490	32,295	36,651	42,338
145	U. RI	33,308	36,207	38,538	43,161	45,453	51,942	48,590	42,132
146	Medical C. GA	13,127	13,991	15,210	21,116	23,317	28,280	35,841	41,910
147	Charles R. Drew U. of Medicine and Science	16,052 e	22,212	21,969	27,415	39,259	39,407	40,430	41,207
148	Howard U.	21,501	21,658	25,292	27,848	33,949	36,137	40,086	40,020
149	U. Central FL	13,502	16,048	13,801	22,342	29,929	47,749	44,020	40,013
150	Brandeis U.	28,098	29,423	26,444	30,031	29,006	33,722	38,041	39,788
151	U. Houston	22,018	20,443	21,365	21,876	31,455	32,556	34,468	37,262
152	OK State U. all campuses	23,220	23,179	24,770	25,636	31,100	37,748	43,345	36,637
153	Northeastern U.	21,454	22,776	26,916	23,532	24,295	26,895	30,659	36,524
154	George Mason U.	17,268	19,492	20,669	25,992	31,890	38,510	39,758	36,475
155	U. MT, The	11,748	14,627	18,378	19,194	22,612	27,220	34,478	36,433

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
156	U. NV, Las Vegas	9,713	10,248	13,815	15,681	22,367	32,511	28,013	35,942
157	NJ Institute of Technology	21,127	21,127	17,381	23,274	27,550	30,535	30,995	35,716
158	San Diego State U.	19,721	19,724	22,802	23,621	25,223	28,084	30,092	35,328
159	U. Southern MS	9,536	14,124	15,084	18,061	22,398	31,653	32,075	34,941
160	U. AR main campus	16,156	15,851	20,778	23,172	27,588	27,071	31,088	33,496
161	TX A&M U. System Health Science Ctr.	na	na	14,321	18,384	22,417	26,729	30,283	32,949
162	U. ND all campuses	13,404	13,615	13,880	15,743	25,004	28,336	36,349	32,092
163	U. MD Biotechnology Institute	11,789	13,911	11,157	16,742	16,701	19,989	24,436	31,276
164	Loyola U. Chicago	17,685	17,588	20,695	26,474	27,678	28,107	29,150	30,584
165	Jackson State U.	5,326	7,925	10,690	22,750	21,721	25,607	28,806	30,472
166	U. PR Medical Sciences Campus	11,843	13,971	16,657	19,433	23,931	25,845	28,063	29,863
167	U. WY	17,806	19,109	16,556	20,017	20,017 e	23,186	23,186 e	29,351
168	U. ME	13,028	19,163	24,412	23,873	23,732	28,901	36,513	28,951
169	Desert Research Institute	15,400	16,552	19,923	22,018	22,760	23,265	26,235	28,655
170	Meharry Medical C.	11,004 e	9,192	9,192 e	14,822 i	20,453	24,195	26,159	27,408
171	C. of William and Mary all campuses	11,097	11,892	13,031	15,288	18,007	21,992	26,049	26,898
172	Loma Linda U.	7,834	12,217	18,811	19,462 i	20,114	22,675	26,631	26,855
173	NY Medical C.	13,639	14,029	17,975	18,344	19,318	23,387	25,103	25,242
174	GA State U.	11,284	14,310	12,090	13,575	18,967	22,218	25,845	25,204
175	Old Dominion U.	12,346	13,706	14,908	15,280	17,170	18,882	21,377	24,463
176	U. AL, The	14,909	17,601	19,486	22,183	26,900	26,241	25,329	24,393
177	Morehouse School of Medicine	12,461	12,948	15,419	18,127	21,919	24,382	23,331	24,213
178	SUNY Health Science Ctr. Brooklyn	18,318	21,053	22,860	22,860 e	23,011 i	23,162 i	23,313 i	23,466
179	SUNY Upstate Medical U.	6,487	7,889	8,461	8,815	13,404	16,652	22,650	23,275
180	FL A&M U.	15,726	20,693	16,278	22,477	21,592	18,273	24,994	22,378
181	CUNY The City C.	14,437	12,393	13,059	13,022	13,319	13,456	19,711	22,289
182	TX Tech U.	17,481	20,242	21,480	22,967	28,202	31,776	23,181	22,071
183	U. MO-Rolla	7,934	8,731	9,804	11,929	15,749	18,142	20,218	21,772
184	San Jose State U.	11,825 e	11,825 e	11,825 e	14,301	15,777	18,935	20,363	21,160
185	Lehigh U.	13,019	13,161	12,726	13,961	13,519	16,215	19,400	21,061
186	OH U. all campuses	10,323	10,544	11,695	12,898	17,677	20,406	20,831	20,736
187	Wright State U. all campuses	10,832	12,365	12,543	15,417	16,070	18,733	20,599	20,527
188	Eastern VA Medical School	9,449	11,354	12,114	11,389	13,077	15,431	17,530	19,969
189	U. TX Dallas	8,115	7,700	7,049	7,049 e	11,624	14,530	15,733	19,933
190	MI Technological U.	13,938	16,107	16,650	17,620	17,973	17,667	18,735	19,760
191	Marshall U.	25	66	5,618	5,980	9,502	12,802	17,104	18,660
192	Stevens Institute of Technology	6,667	7,084	8,785	8,094	8,094 e	13,783 i	19,473	18,626
193	Portland State U.	6,881	9,313	11,217	11,341	11,914	13,276	13,276 e	18,580
194	CUNY Hunter C.	6,414	7,526	8,650	10,922	14,573	17,047	18,836	18,544
195	Boston C.	12,778	14,492	16,673	20,123	22,827	22,907	22,907 e	17,801

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
196	U. TX Arlington	11,294	6,089	5,106	9,413	7,848	7,884	10,498	17,654
197	U. MA Lowell	12,259	10,354	9,905	11,196	14,932	15,821	16,655	17,608
198	U. North TX Health Science Ctr. Ft. Worth	5,645	5,370	5,799	6,562	7,770	9,927	13,259	17,037
199	Southern IL U. Carbondale	7,801	7,660	10,130	10,868	10,789	12,078	15,557	16,975
200	U. MO-Kansas City	6,199	7,206	7,490	8,176	10,795	14,232	15,696	16,960
201	Brigham Young U. all campuses	9,694	11,414	10,378	11,659	12,900	16,564	17,129	16,878
202	U. South AL	9,451	9,451 e	8,276	8,276 e	15,922	17,638	17,832	16,538
203	IL Institute of Technology	9,946	9,777	10,926	10,917	11,277	13,900	14,903	16,493
204	NC Agricultural and Technical State U.	12,924	12,454	11,187	11,937	11,953	12,226	13,487	16,348
205	Catholic U. America, The	7,161	11,064	7,680	13,308	17,925	18,864	18,927	16,252
206	U. LA Lafayette	5,834	9,430	12,164	12,130	12,925	14,455	15,850	16,159
207	FL Atlantic U.	9,582	11,036	12,359	14,099	15,566	17,517	14,662	15,956
208	U. TX San Antonio	5,112	5,463	7,441	8,012	7,111	9,982	11,644	15,924
209	U. WI Milwaukee	8,936	9,190	8,425	11,089	11,461	13,704	13,670	15,893
210	U. Toledo	5,366	5,682	6,312	6,701	8,996	10,928	13,229	15,521
211	CO School of Mines	8,694	10,704	11,995	12,314	13,230	16,314	16,550	15,501
212	U. SD	2,669	3,373	2,084	3,534	5,830	8,308	12,849	15,448
213	U. TX El Paso	10,758	18,292	16,416	16,167	16,457	18,116	16,900	15,378
214	U.S. Air Force Academy	4,033	3,699	4,505	5,009	8,163	12,599	15,739	15,165
215	U. Memphis, The	5,849	6,364	11,177	11,012	14,072	14,985	14,078	15,125
216	Medical U. OH	8,107	9,219	9,944	11,362	12,006	14,146	14,591	14,756
217	NM Institute of Mining and Technology	8,959	10,719	8,652	13,255	18,864	15,434	13,853	14,635 i
218	Northern AZ U.	6,812	7,111	7,842	9,616	10,873	10,900	12,754	14,547
219	U. PR Rio Piedras Campus	5,460	5,654	5,620	6,013	4,971	6,760	8,093	14,301
220	SD State U.	5,812	6,086	7,448	8,456	9,115	11,441	13,447	13,914
221	U. MD Ctr. for Environmental Science	7,440	8,116	10,805	12,105	13,080	12,654	13,824	13,853
222	Creighton U.	4,096	4,929	5,541	7,275	6,594	9,413	13,745	12,683
223	San Francisco State U.	3,689 i	3,630 e	4,561 e	4,561 e	13	6,089	37,056	12,457
224	U. of the VI	2,428 e	1,957	1,957 e	6,288 i	10,620	10,772	11,598	12,213
225	ID State U.	5,200	1,258	3,723	3,837	4,738	6,746	8,416	12,087
226	AL A&M U.	10,518	8,558	7,056	8,883 i	10,710	30,343	12,023	12,005
227	Western MI U.	4,023	4,165	4,584	6,192	9,913	12,131	8,313	11,987
228	Rochester Institute of Technology	2,339 e	2,690	2,664	5,612	7,868	11,630	12,415	11,620
229	Albany Medical C.	6,545	7,437	7,691	8,562	8,901	9,677	11,849	11,525
230	Clark Atlanta U.	24,079	12,116	16,170	14,354	15,325	12,367	13,075	11,346
231	Mercer U. all campuses	12,043	12,657	11,350	9,076	8,607	8,018	9,613	11,235
232	East Carolina U.	4,027	4,832	4,388	5,188	6,030	7,565	9,399	10,967
233	U. PR Mayaguez Campus	21,903	23,784	11,837	9,015	8,865	9,596	7,539	10,786
234	SD School of Mines and Technology	3,221	3,300	4,127	4,417	6,950	8,222	8,366	10,752
235	U. NC Wilmington	4,098	4,431	5,336	7,242	9,950	8,957	9,951	10,665

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
236	SUNY Binghamton	6,205	5,761	6,319	6,392	8,959	8,981	10,414	10,494
237	TN State U.	7,978	8,522	8,873	10,210	11,218	10,280	11,277	10,446
238	U. NC Charlotte	4,150	4,780	5,380	5,145	5,850	7,981	13,816	10,362
239	U. Akron all campuses	4,042	7,140	7,081	8,672	9,537	9,348	10,284	10,246
240	Rosalind Franklin U. of Medicine and Science	5,022 e	4,860	5,117	6,256	5,638	6,783	7,843	9,974
241	U. MA Dartmouth	3,731	3,983	3,228	4,928	7,142	8,718	9,199	9,852
242	CA State U. Los Angeles	912 i	463	8,344	5,365	7,728	6,882	8,094	9,797
243	Wichita State U.	2,646	3,260	5,228	5,726	6,687	10,619	11,796	9,589
244	Worcester Polytechnic Institute	5,230	4,292	4,219	4,506	5,013	5,966	8,489	9,424
245	U. Denver	9,385	9,081	7,439	9,248	8,386	8,268	9,839	9,017
246	U. HI Hilo	NA	NA	NA	NA	8,499	5,082	4,217	8,998
247	U. Tulsa	4,002	5,272	5,498	7,341	6,806	8,439	11,240	8,969
248	U. West FL	2,806	3,624	4,521	4,785	5,315	9,105	5,332	8,787
249	Polytechnic U.	2,843	4,595	8,200	4,063	4,918	4,789 i	4,660	8,623
250	U. GU	2,206	2,242	3,165	3,355	4,183	5,818	9,205	8,602 i
251	CA State U. Long Beach	8,471 i	11,929	12,964	2,910	4,944	12,126	8,351	8,577
252	Universidad Central del Caribe	3,208 i	4,345	5,347	6,622	6,470	7,183	8,498	8,543
253	Tuskegee U.	26,894	6,942	6,694	7,259	7,703	7,660	8,904	8,478
254	Prairie View A&M U.	9,612	8,675	7,679	7,094	7,712	7,886	7,965	8,464
255	Boise State U.	1,892	2,595	2,151	3,962	4,173	6,321	7,642	8,447
256	Southern Methodist U.	4,836	6,387	6,302	5,587	6,026	5,940	6,752	8,415
257	Morgan State U.	3,960	1,066	4,371	2,390	1,674	6,232	7,227	8,126
258	Miami U. all campuses	2,687	3,302	2,674	3,324	4,021	4,312	5,132	8,014
259	Northern IL U.	3,344	3,727	3,603	4,264	4,980	6,892	6,824	7,897
260	SUNY C. of Environmental Science and Forestry	2,715	3,874	4,332	4,355	4,630	5,177	6,499 i	7,821
261	Kent State U. all campuses	8,251	8,212	7,736	8,158	9,427	9,278	9,093	7,619
262	U. AK Anchorage all campuses	0 e	2,537	2,537 e	3,390 i	4,244 e	5,316	6,721	7,470
263	Cleveland State U.	3,696 e	3,655 e	3,318	3,986	4,649	3,611	6,380	7,206
264	U. North TX	2,621	2,617	3,618	5,401	6,015	6,320	5,499	7,003
265	Marquette U.	3,510	3,416	3,085	3,309	3,565	4,409	6,046	6,979
266	Clarkson U.	3,010	3,694	3,837	4,286	4,286 e	4,833	6,434	6,890
267	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	NA	NA	7,604	6,730
268	Ponce School of Medicine	2,783 i	2,960	3,257	3,736	3,720	6,270	9,179	6,715
269	Embry-Riddle Aeronautical U.	1,432	1,432 e	1,551 e	6,987	4,174	3,323	5,179	6,642
270	Bowling Green State U. all campuses	2,029	1,847	1,847 e	2,395	2,829	4,378	5,318	6,418
271	Tarleton State U.	1,483	1,623	1,426	4,094	5,216	5,698	5,208	6,386
272	U. MA Boston	3,160	2,951	3,378	2,546	4,837	5,579	5,412	6,326
273	Teachers C. Columbia U.	2,900	4,119	5,613	5,617	5,939	5,572	6,256	6,187
274	Norfolk State U.	2,442	2,970	3,273	3,952	4,902	4,404	6,054	6,055
275	Fisk U.	2,909	2,846	2,652	2,577	3,030	3,000	5,000	6,000

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
276	U.S. Naval Academy	2,534	2,234	2,770	3,140	2,324	3,169	5,341	5,987
277	CA State U. San Bernardino	258	697	880	676	1,399	4,858	5,127	5,775
278	CA State Polytechnic U. San Luis Obispo	3,948	7,673	7,605	6,153	5,968	3,820	2,616	5,743
279	CA State U. Northridge	1,309	2,324	3,182	3,182 e	6,786	6,460	6,521	5,719
280	Oakland U.	3,218	3,033	3,033 e	5,318	4,903	4,470	5,559	5,599
281	Xavier U. LA	5,355	3,240	3,174	4,666	6,019	5,036	5,226	5,508 i
282	CUNY Queens C.	2,323	1,884	2,604	3,484	5,516	5,062	5,820	5,443
283	U. MD Eastern Shore	2,265	2,508	3,895	5,626	5,718	4,862	5,041	5,432
284	Alcorn State U.	5,119	5,223	8,034	7,370	5,809	7,582	7,622	5,396
285	LA Tech U.	2,287	2,287 e	2,635	2,242	3,487	6,113	4,718	5,336
286	Ball State U.	959	835	873	1,177	1,590	1,944	3,441	5,260
287	Wesleyan U.	3,570	3,640	4,058	3,893	3,734	4,424	5,388	5,180
288	FL Institute of Technology	2,152	2,735	2,980	2,614	3,646	5,204	5,575	5,170
289	Southwest MO State U.	596	484	484 e	443	79	371	1,863	5,166
290	DE State U.	2,734	2,055	3,052	2,222	2,819	3,636	4,342 i	5,048
291	East TN State U.	1,368	1,400	2,768	3,572	3,908	4,642	4,412	5,015
292	St. Francis U. (Loretto, PA)	ne	ne	ne	ne	ne	ne	ne	4,981
293	TX A&M U. Kingsville	1,874	1,771	2,179	1,828	1,956	2,766	3,832	4,972
294	Air Force Institute of Technology	2,228	1,540	5,371	1,671	2,609	6,418	4,664	4,934
295	Villanova U.	2,470 i	3,470	4,035	4,293 i	4,551 e	4,229 i	4,669 i	4,921 i
296	Western KY U.	3,130	2,287	2,711	3,294	3,493	3,125	4,400	4,915
297	CA State U. Fresno	1,565 i	1,749 e	1,823	585	1,392	2,579	3,750	4,870
298	TX A&M U. Corpus Christi	ne	ne	1,363	2,357	3,127	4,581	5,685	4,572
299	U. MO-St. Louis	3,975	4,841	4,523	4,321	4,755	4,978	4,618	4,470
300	TX Southern U.	2,504	2,292	1,844	1,908	3,910	2,925	3,749	4,426
301	MT Tech of the U. MT	2,767 i	3,014	2,744	2,617	2,977	4,488	4,059	4,315
302	Wheeling Jesuit U.	ne	ne	ne	ne	ne	ne	ne	4,265 i
303	Eastern MI U.	813 i	895	1,213	1,745	777	1,849	2,375	4,156
304	Humboldt State U.	2,185	2,629	2,629 e	2,945 i	3,354 i	3,553 i	4,316 i	4,033 i
305	U. AR Pine Bluff	2,911	2,911 e	2,754 i	2,596	3,016	3,470	3,455	3,933
306	U. NC Greensboro	1,829	1,535	1,535 e	2,803	3,340	2,704	3,267	3,876
307	Langston U.	2,031	2,340	2,553	2,863	3,975	4,332	3,578	3,848
308	CA State U. Monterey Bay	ne	ne	ne	1,285	1,285 e	2,091	2,548	3,821
309	Southern U. and A&M C. all campuses	6,983	6,689	6,418	5,709 i	5,000 i	4,291 i	3,581	3,783 i
310	DePaul U.	822	571	478	1,142	1,971	2,747	3,539	3,776
311	Duquesne U.	867	1,531	1,902	1,969	2,232	2,742	3,479	3,717
312	CUNY Herbert H. Lehman C.	1,071 i	1,216	1,444	2,048	2,816	3,725	2,936	3,711
313	CA State U. Fullerton	1,028 e	1,879 i	2,730 i	3,581 i	4,434	3,140	3,979	3,570
314	James Madison U.	722	763	712	890	1,372	1,607	2,843	3,568
315	TN Technological U.	1,065	1,222	1,452	1,124	1,695	1,539	2,564	3,515

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
316	Rowan U.	ne	ne	ne	ne	ne	3,755	4,355	3,339
317	U. PR Humacao U. C.	ne	ne	ne	ne	ne	ne	3,201	3,325
318	CUNY Graduate Ctr.	3,573	515	532	1,489	832	1,724	3,324	3,297
319	Northeastern OH Universities C. of Medicine	1,430	1,693	2,002	2,072	1,871	1,708	2,964	3,267
320	Morehouse C.	591 e	1,843	1,843 e	2,113 i	2,383 i	2,653 i	2,923 i	3,196
321	IL State U.	2,468 e	2,057	2,108	1,638	1,574	1,928	2,650	3,152
322	Central MI U.	0	142	142 e	291	190	318	2,707	3,086
323	TX Christian U.	2,493	3,257	2,441	2,824	2,492	2,716	2,961	3,068
324	KY State U.	703	703 e	2,179 i	3,655	6,036	6,395	3,298	3,044
325	C. Charleston	1,724	1,553	1,607	1,988	2,364	2,678	3,321	3,022
326	U. TX-Pan American	1,233	1,068	1,135	1,288	1,387	1,887	2,578	2,999
327	New School, The	773	1,069	873	1,083	1,083 e	741	2,330	2,960
328	U. DC	1,898	1,829	1,629	2,008	2,963	2,769	3,492	2,958
329	TX State U. San Marcos	1,116	1,871	3,519	3,854	4,144	3,873	3,536	2,921
330	Carleton C.	386 i	398	760	693	959	1,417	1,575	2,896
331	U. CA, Merced	na	na	na	na	na	na	na	2,816
332	CA State Polytechnic U. Pomona	1,043 i	1,069	1,703	2,498	2,806	3,922	4,059	2,765
333	CUNY Brooklyn C.	1,574 e	2,228	2,866	2,776	2,538	2,798	2,559	2,694
334	U. AR Little Rock	ne	ne	3,400 e	2,088	2,088 e	7,757	2,586	2,681
335	Universidad Metropolitana	ne	ne	ne	ne	ne	ne	ne	2,677 i
336	VA State U.	2,792	2,061	3,602	4,246	6,895	6,964	5,655	2,668
337	Clark U.	1,660	2,651	1,652	2,605	3,418	4,475	4,475 e	2,611
338	St. Joseph's U.	462	185	797	1,130	2,069	1,771	2,612	2,596
339	SC State U.	1,968	1,978	1,988	1,988 e	1,998	2,198	2,418	2,587
340	Spelman C.	1,700	1,832	1,978	3,262	2,968	2,186	2,419	2,576
341	Ft. Valley State U.	2,359	2,318	2,417	2,417 e	2,985	2,798	2,558	2,492
342	Alfred U. all campuses	1,348	1,491	1,227	1,166	946	674	1,494	2,454
343	Wellesley C.	2,304 e	2,684 i	3,064 i	3,446	3,446 e	3,996	3,708	2,429
344	Savannah State U.	331 i	513	905	2,181	2,206	2,150 i	2,094	2,421
345	Barnard C.	1,038	1,008	1,198	1,269	1,021	1,369	1,369 e	2,342
346	U. Central AR	ne	ne	820	1,189	1,140	1,790	2,265	2,268
347	U. Baltimore	ne	ne	ne	ne	ne	ne	ne	2,255
348	Winston-Salem State U.	1,898	1,619	3,216	4,853	2,022	2,022 e	2,073 e	2,176 i
349	Gallaudet U.	2,119	2,264	1,682	1,768	1,880	1,959	1,747	2,138
350	WV State U.	0	0	0 e	0 e	467 i	934 i	1,403	2,128
351	CA State U. East Bay	1,070 i	1,284 i	1,498 i	1,712 i	1,930	1,088	1,639	2,122
352	Lincoln U. (Jefferson City, MO)	2,635 i	2,686	2,502	2,236	2,513	2,149	1,552	2,093
353	CA State U. Dominguez Hills	3,362 i	3,932	909	2,578	2,783	3,471	4,179	2,051
354	CA State U. Bakersfield	126 i	92 e	459	459 e	854 i	1,249 i	1,644 i	2,040
355	Bowie State U.	4,403	2,360	2,360 e	2,022	2,200	2,206	1,883	2,033

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
356	Western WA U.	1,954	2,004	1,548	1,300	1,651	2,271	1,950	2,023
357	Albany State U.	1,019	1,019 e	840	740	1,640	2,056	2,547	2,010
358	FL Gulf Coast U.	ne	ne	ne	ne	ne	ne	884	1,995
359	SUNY C. of Optometry	386	755	698	993	1,032	2,461	1,856	1,979
360	Mt. Holyoke C.	733	975	1,135	1,004	1,449	1,639	1,800	1,869
361	Seton Hall U.	1,243	1,116	996	826	692	635	1,233	1,856
362	Smith C.	634	240	774	812	515	866	1,602	1,757
363	Williams C.	1,010 e	1,345	1,345 e	1,367 i	1,389	1,454	1,258	1,737
364	Shaw U.	110	100	100 e	411 i	722 i	1,033	1,033	1,727
365	Chicago State U.	696	1,254	1,248	1,356	1,236	1,107	1,415 i	1,724
366	Nova Southeastern U.	1,500	2,637	2,060	1,750	1,959	1,963	1,884	1,719
367	GA Southern U.	823 i	833	944	841	882	2,074	1,746	1,716
368	Morehead State U.	550 i	649 i	748 i	847 i	946 i	1,046	1,137	1,693
369	AL State U.	1,133	1,190	1,190 e	1,249 e	1,249	1,449	1,683	1,685
370	U. North FL	ne	ne	ne	731	1,397	2,915	1,493	1,680
371	Christopher Newport U.	ne	ne	ne	ne	ne	1,945	1,904	1,673
372	Southern CT State U.	128 i	100	215	215 e	144	1,485	312	1,666
373	U. NC Asheville	226 i	213	227	386	412	271	265	1,658
374	CUNY C. Staten Island	739	595	858	1,128	1,315	1,723	1,624	1,646
375	Santa Clara U.	506 i	533 i	574 i	625 i	706 i	791 i	ne	1,632 i
376	U. Richmond	781	812	849	815	1,347	807	900	1,615
377	West TX A&M U.	114	93	140	2,681	3,245	2,595	2,205	1,610
378	Central State U.	1,144	1,144 e	283 e	542 i	801 i	1,060 i	1,319 i	1,579
379	Towson U.	268	1,028	846	694	1,037	904	302	1,571
380	Ithaca C.	1,075	1,607	2,131	1,653	2,060	1,792	1,807	1,558
381	OR Institute of Technology	ne	ne	ne	ne	727	953	1,322	1,517
382	U. Northern CO	609 e	526	982	994	840	1,581	1,328	1,509
383	Sul Ross State U.	156	74	228	95	77	96	261	1,506
384	New England C. of Optometry	1,020	1,118	950	1,179	1,792	1,900	1,958	1,474
385	Baylor U.	522	522 e	353	516	830	812	1,372	1,473
386	Grambling State U.	1,936	1,936 e	2,200	2,200 e	1,977	1,880	1,522	1,461
387	CUNY York C.	1,480	1,372	1,317	923	1,650	1,796	1,669	1,448
388	Black Hills State U.	ne	ne	ne	ne	ne	ne	934	1,445
389	Bowdoin C.	213	154	228	140	658	1,070	1,151	1,444
390	U. WI La Crosse	562	686	1,001	871	1,196	967	1,221	1,441
391	SUNY C. Old Westbury	767	485	1,067	1,067 e	1,193	1,182	1,258	1,422
392	Benedict C.	800 i	966 i	1,143	1,014	966	1,002	1,020	1,399
393	Fordham U.	769	1,725	2,101	1,980	1,990	1,823	929	1,383
394	St. John's U. (Jamaica, NY)	916	1,177	938	938 e	1,046 i	1,154 i	1,262 i	1,372
395	American U.	3,163	2,735	1,886	1,999	3,467	2,141	1,456	1,364



TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
396	SUNY C. Plattsburgh	802	432	610	712	760	1,087	896	1,351
397	SUNY C. Buffalo	1,054	1,167	577	338	583	1,053	883	1,335
398	Murray State U.	554	388	629	778	739	1,075	1,185	1,310
399	Midwestern U. (Chicago, IL)	491	443	467	542	589	529	857	1,298
400	U. of the Pacific	254	844	546	489	730	1,160	1,700	1,292
401	Franklin & Marshall C.	723	348	604	599	441	529	815	1,277
402	Southeastern LA U.	467 i	550	629	342	525	556	1,257	1,276
403	Amherst C.	861	726	999	849	955	955 e	1,126	1,270
404	Middlebury C.	664 i	688	1,371	1,285	1,150	1,150 e	1,227 i	1,264 i
405	Davidson C.	ne	ne	ne	ne	ne	ne	ne	1,261 i
406	Lamar U.	2,307	2,914	2,330	2,217	2,080	1,998	1,494	1,259
407	U. Redlands	ne	ne	ne	ne	2,674	1,810	1,711	1,237
408	Western Carolina U.	277	300	354	362	280	218	1,633	1,233
409	Long Island U. all campuses	1,197	1,116	1,044	919	1,162	1,470	962	1,227
410	Swarthmore C.	586	586 e	586 e	691	1,107	915	1,449	1,194
411	U. San Diego	334	282	422	185	1,425	622	399	1,187
412	Hope C.	815 i	879	602	692	853	635	1,576	1,181
413	Hamilton C. (Clinton, NY)	359 e	414 i	469	382	1,035	849	901	1,138
414	Youngstown State U.	508	144	191	425	800	821	1,385	1,138
415	Hampshire C.	1,264	662	872	998	1,095	1,112	1,181	1,110
416	Canisius C.	ne	ne	ne	ne	ne	ne	ne	1,106 i
417	Claremont Graduate U.	123	384	798	1,024	621	859	945	1,104
418	Middle TN State U.	127	319	478	296	211	1,513	1,651	1,084
419	AR State U. main campus	152	224	267	321	312	385	638	1,080
420	NC Central U.	786 i	777 e	761 i	853 i	971 i	1,029 i	1,141 i	1,066 i
421	PA C. of Optometry	319 i	283	525	695	928	1,209	1,407	1,060
422	U. LA Monroe	1,466	2,824	2,824 e	2,436 i	2,048 i	1,660 i	1,271	1,051
423	Southern IL U. Edwardsville	244	147	200	311	1,413	1,340	829	1,043
424	CA State U. Chico	1,497	850	450	961	617	1,356	1,192 i	1,027
425	Lafayette C.	295	354	331	353	519	1,253	1,187	1,019
426	Montclair State U.	120 i	131 i	146	465	383	465 i	547	1,018
427	St. Cloud State U.	987	987 e	987 e	892 i	797 i	700	972	1,017
428	U. Scranton	2,502 i	2,804 i	3,106 i	3,408 i	3,715	2,439	1,374	1,016
429	Furman U.	315	208	524	487	1,003	852	1,197	999
430	U. WI Green Bay	238	240	267	328	601	824	1,293	999
431	Fuller Theological Seminary CA	21 e	80	80 e	261 i	442 i	623 i	804 i	985
432	Philadelphia C. of Osteopathic Medicine	57	99	392	395	387	358	951	973
433	Bryn Mawr C.	910	764	978	855	751	880	1,065	966
434	Pace U. all campuses	555	435	236	295	362	362 e	644	958
435	TX Woman's U.	1,485	1,306	1,440	1,185	1,321	1,494	1,175	940

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
436	NM Highlands U.	2,547 i	2,648	3,747	1,849	1,953	2,264	1,810	930
437	Central WA U.	1,055 i	1,179	1,426	1,337	1,468	2,246	2,200	929
438	State U. West GA	654 i	777 i	900	634	400	556	623	913
439	Elizabeth City State U.	575	1,040	1,558	1,248	1,058	1,103	1,032	888
440	Stephen F. Austin State U.	1,125	776	521	959	1,054	759	740	887
441	Occidental C.	1,513 e	297	545	812	1,303	1,319	1,100 i	880
442	Jacksonville State U.	ne	ne	ne	ne	ne	ne	ne	873
443	U. WI Stevens Point	306	257	193	270	639	725	884	867
444	Colby C.	93	121	83	146	306	192	373	861
445	Haverford C.	820	937	1,000	989	874	931	1,066	857
446	U. IL Springfield	ne	ne	182	126	200	362	493	850
447	SUNY C. Geneseo	229	183	389	350	481	847	588	842
448	Oberlin C.	570 i	627 i	691	285	406	424	291	841
449	SUNY C. Oswego	480	478	587	578	901	1,120	1,342	839
450	U. WI Superior	96	97	33	79	552	720	743	830
451	Pomona C.	376	654	678	679	917	1,219	940	823
452	Bates C.	411	576	463	819	977	964	679	794
453	U. WI Eau Claire	395	338	219	288	580	827	721	791
454	Central CT State U.	113 i	122 i	137	138	102	282	239	788
455	Monmouth U.	248	178	178 e	89	73	308 i	543 i	779
456	Reed C.	315 i	300 e	391	277	583	472	702	774
457	Roger Williams U. Bristol	ne	ne	ne	ne	ne	ne	352	772
458	Northern KY U.	104 i	71	41	34 i	26	240	474	768
459	Harvey Mudd C.	917 i	1,032	1,032 e	979 i	926 i	873 i	820 i	767
460	U. Hartford	124	299	629	578	537	667	697	767
461	Trinity U.	723 i	692	746	746 e	250	636	805	759
462	Rose-Hulman Institute of Technology	642 i	748	420	1,457	744	892	726	741
463	Skidmore C.	74	61	67	68	227	384	364	741
464	Macalester C.	490 i	563 i	636 i	713	1,057	755	959	739
465	Southern OR U.	230	205	253	154	542	544	587	739
466	Bucknell U.	611 i	679	754	1,106	1,240	1,285	955	721
467	Pittsburg State U.	229	94	247	514	963	781	744	716
468	Calvin C.	297 i	306	270	514	338	522	530	714
469	Fayetteville State U.	378	265	507	298	311	546	161	711
470	CUNY Medgar Evers C.	ne	ne	258	714	970	652	555	701
471	Kettering U.	192	89	270	270	638	562	298	701
472	Colgate U.	ne	ne	917	708	586	646	777	696
473	MT State U. Billings	ne	ne	ne	ne	ne	ne	ne	694 i
474	Nicholls State U.	ne	ne	14	0	59	57	98	674
475	U.S. Coast Guard Academy	300	300	405	466	1,128	1,166	866	660

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
476	Union C. (Schenectady, NY)	126	608	553	587	1,217	471	664	657
477	NJ City U.	ne	ne	ne	ne	184	326	260	650
478	U. WI Oshkosh	268	307	248	271	356	523	879	650
479	Milwaukee School of Engineering	211	269	306	420	651	558	662	648
480	Evergreen State C.	463 i	498 i	537	487	441	511	354	647
481	Western U. of Health Sciences	253	253 e	127 i	0	214	129	312	639
482	Northeastern State U.	ne	ne	ne	ne	919	1,038	832 i	625
483	Sinte Gleska U.	ne	ne	ne	ne	ne	ne	ne	612
484	Trinity C. (Hartford, CT)	487 i	529	326	326 e	181	426	686	611
485	Augsburg C.	368 i	303	337	497	655	734	493	606
486	MS Valley State U.	350	495	834	1,316	1,030	636	493	606
487	Grinnell C.	117 e	210	774	168	385	325	225	603
488	CO State U. Pueblo	538	642	370	707	541	580	714	598
489	Eastern OR U.	ne	ne	ne	ne	243	126	64	594
490	Augustana C. (Sioux Falls, SD)	276 i	275 i	274 i	273 i	265	224	273	591
491	Southern U. New Orleans	ne	ne	60 e	652	902	552	556	584 i
492	Mt. St. Mary's C. (Los Angeles, CA)	ne	ne	ne	ne	ne	ne	492	570
493	U. Northern IA	496	344	378	380	1,063	898	646	569
494	Loyola C.	1,191	1,397	1,513	675	770	330	392	551
495	C. NJ, The	ne	ne	ne	ne	456	483 i	587 i	549 i
496	U. San Francisco	249 i	200 e	400	400 e	431 i	462	706	545
497	IN State U. all campuses	592	368	251	269	284	573	747	544
498	Juniata C.	113 i	135	105	107 e	101	363	778	537
499	Gettysburg C.	ne	ne	ne	ne	ne	ne	ne	536
500	Vassar C.	517 e	419 i	321	321 e	374 i	427 i	480 i	535
501	Grand Valley State U.	92	309	368	392	405	278	221	534
502	Lincoln U. (Lincoln University, PA)	1,364	972	709	620	718	704	526	526
503	Hofstra U.	319	659	649	402	402 e	450 i	497 i	524 i
504	Marist C.	ne	ne	ne	ne	ne	ne	ne	520 i
505	U. CA Office of the President	NA	NA	NA	NA	NA	NA	203	519
506	CUNY John Jay C. of Criminal Justice	912	951	779	733	201	168	177	516
507	Indiana U. PA all campuses	491 e	354	544	453	476	504	1,446	513
508	Appalachian State U.	247	219	128	280	543	491	272	503
509	U. WI Parkside	119	108	212	352	563	427	548	501
510	Whitman C.	58	181	283	322	211	568	544	499
511	Maharishi U. of Management	0	0	1,213	1,213	2,618	2,541	2,541 e	492
512	Hendrix C.	292 i	345 i	398 i	451 i	504 i	557 i	615	476
513	Southeastern OK State U.	ne	ne	ne	ne	ne	122	320	475
514	Loyola Marymount U.	ne	ne	ne	ne	ne	538	508	473
515	C. Wooster	244	318	276	249	284	342	281 e	467

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
516	Coastal Carolina U.	ne	ne	1,051	736	787	776	785	453
517	Western IL U.	10,867	6,595	6,112	5,501	4,982	379	369	446
518	Sonoma State U.	145	16	33	597	161	213	234	445
519	SUNY C. Brockport	349	308	344	344 e	478 i	613	574	436
520	Seattle U.	74 i	76 i	78 i	80 i	82 i	84 i	95	421
521	Oakwood C.	690	447	447 e	447 i	447 i	368 i	393 i	405 i
522	St. Mary's U. (San Antonio, TX)	0	0	62	193	152	199	414	405
523	Washington and Lee U.	214 i	241 i	268 i	295 i	322 i	349 i	376 i	404
524	Drake U.	171 i	167	198	163	692	692 e	647	398
525	St. Olaf C.	379 i	424	530	403	683	575	347	390
526	SUNY C. Cortland	26	30	233	276	316	335	245	386
527	McNeese State U.	256	611	512	290	409	430	451	382
528	Valparaiso U.	259	500	275	308	262	267	404	372
529	Tougaloo C.	657	767	473	407	407 i	335 i	358 i	369 i
530	Gustavus Adolphus C.	160 i	179	85	197 i	309 i	421 i	533	368
531	Loyola U. New Orleans	187 i	212 i	237 i	262 i	287 i	312 i	337 i	367
532	Dillard U.	164 e	164	182	199	393	441	351	362 i
533	Bluefield State C.	0	0	0	0	0	36	156	359
534	Lawrence Technological U.	51	57	121	194	191	159	219	354
535	Albany C. of Pharmacy	ne	ne	839	806	572	377	235	351
536	Bradley U.	632	218	146	286	953	973	671	346
537	John Carroll U.	947 i	1,072	1,072 e	232	489	334	197	345
538	A.T. Still U. of Health Sciences	329	311	542	731	895	494	333	344
539	West Chester U. PA	462	547	697	697 e	918	505	1,833	337
540	Eckerd C.	ne	ne	ne	ne	ne	ne	317 i	327 i
541	OH Wesleyan U.	106	185	185 e	194 i	203	203 e	264 i	325
542	Arcadia U.	ne	ne	ne	ne	ne	ne	ne	324 i
543	U. Houston-Clear Lake	1,266	5,387	6,383	10,629	7,460	514	238	324
544	U. Houston-Downtown	850 i	838	660	660 e	596	373	449	317
545	Allegheny C.	253 i	252	88	412	562	368	476	315
546	C. of the Holy Cross	251	151	142	446	329	272	538	312
547	Manhattan C.	327	70	293	293 e	257	257 e	284 i	312
548	Morris Brown C.	525 e	321 i	116	116 e	343	282 i	301 i	310 i
549	Rider U.	ne	ne	225	189	218	185	428	308
550	Providence C.	17	29	29 e	101 i	173	173 e	214	306
551	St. Mary's C. MD	ne	ne	378	233	262	318	151	306
552	Chapman U.	50 i	60 i	73	77	442	340	439	303
553	Eastern IL U.	ne	ne	0 e	ne	ne	ne	315 i	294 i
554	Eastern KY U.	6,229 i	7,403	192	235	225	297	175	294
555	Kennesaw State U.	132	142	249	298	221	300	311	293

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
556	Eastern WA U.	804 e	1,244	1,366	1,668	986	365	288	292
557	MA C. of Pharmacy and Health Sciences	0	0 e	64 i	129	77	562	270	285 i
558	U. WI Stout	986	782	880	816	1,003	1,156	838	285
559	U. Puget Sound	247 i	266 i	285 i	304 i	323 i	342 i	370	281
560	U. WI Whitewater	145	106	223	255	210	204	264	277
561	Voorhees C.	ne	ne	ne	ne	ne	ne	ne	273 i
562	Heritage U. (Toppenish, WA)	ne	ne	ne	ne	ne	ne	ne	266
563	Fairfield U.	175 i	189 i	203	160	106	246	267	263
564	Rhodes C.	136 i	153 i	170 i	187 i	204 i	221 i	238 i	263
565	Point Loma Nazarene C.	68 i	73 i	83	95	53	122 i	191 i	261
566	U. AK Southeast all campuses	374 i	448 i	522 i	596 i	673 e	802	691	249
567	U. of the Sciences Philadelphia	162	162 e	222	200	311	119	207	249
568	Kalamazoo C.	159 i	174 i	189 i	204 i	219 i	234 i	254	244
569	U. New Haven	104 i	19	19 e	1,492	1,492 e	1,073 i	654 i	235
570	Denison U.	205 i	221	238	121	183	381	224	231 i
571	NY Institute of Technology all campuses	38	92	114	166	84	597 i	1,110	230
572	Philadelphia U.	ne	ne	ne	ne	ne	ne	ne	227 i
573	Clafin U.	1,028	250	250 e	1,958	203	293	255	222
574	Wabash C.	ne	ne	ne	ne	ne	ne	166	222
575	Kansas City U. of Medicine and Biosciences	305	305 e	0	380	513	429	407	219
576	Dickinson C.	1,168	653	390	806	685	624	708	212
577	Ft. Lewis C.	149	157	139	231	221	191	150	204
578	Augustana C. (Rock Island, IL)	42 e	55 i	68 i	81 i	94 i	108	504	203
579	Muhlenberg C.	ne	ne	ne	ne	ne	ne	ne	202
580	DePauw U.	ne	ne	ne	ne	ne	ne	199 i	201 i
581	New C. FL	ne	ne	ne	ne	55	130	199	198
582	U. Central OK	65	121	9	245	250	58	71	198
583	Roanoke C.	ne	ne	ne	ne	ne	388	364	192
584	U. Southern ME	236	123	123 e	138 i	157 i	166 i	202 i	189 i
585	U. WI River Falls	69	69	24	81	89	51	106	189
586	Truman State U.	156	156 e	127 i	98 i	68	156	84	187
587	Mayville State U.	ne	ne	ne	ne	ne	ne	ne	185
588	CUNY Baruch C.	83 i	151	87	87 e	347	213	232	184
589	Southeast MO State U.	180 i	200 e	173	108	30	80 i	130 i	182
590	U. of St. Thomas (St. Paul, MN)	158	19	54 i	89	160	151	154	182
591	U. Portland	55	105	235	291	285	133	183	178
592	Whittier C.	ne	ne	ne	ne	ne	ne	ne	176 i
593	Bard C.	ne	ne	ne	ne	ne	ne	ne	173 i
594	U. Detroit Mercy	494	310	314	219	369	158	158 e	167 i
595	Abilene Christian U.	162	114	165	162	173	172	135	164

TABLE 28. Federally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
596	Fitchburg State C.	0	0	0	32 i	64 i	103 i	145 i	161
597	AR Tech U.	55	137	92	130	130 e	140 i	144 i	155 i
598	IL Wesleyan U.	ne	ne	ne	ne	ne	ne	ne	150
599	U. TX Tyler	ne	ne	ne	ne	ne	ne	ne	144
600	Governors State U.	ne	ne	ne	ne	ne	ne	ne	134
601	Lake Forest C.	28	74	200	220	126	132	228	133
602	TX A&M International U.	ne	ne	ne	ne	ne	ne	ne	127
603	Andrews U.	117	117 e	87	145	123	82	249	122
604	Pitzer C.	197	246	299	261	227	266	223	121
605	Simmons C.	155 i	112	74	30	118	302	208	108
606	Sam Houston State U.	2,527	3,225	2,128	1,802	2,386	1,626 i	866 i	106
607	Lewis and Clark C.	309	394	392	206	272	394	129	102
608	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	96
609	Bridgewater State C.	179 i	114	287	64	196	174	36	95
610	Des Moines U. Osteopathic Medical Ctr.	2	309	134	164	164 e	78	78 e	82 i
611	CO C.	106	47	145	136	143	74	79 i	81 i
612	Prescott C.	ne	ne	ne	ne	ne	ne	70 i	72 i
613	TX A&M U. Commerce	122	109	157	83	37	43	54	71
614	U. of the South	ne	ne	ne	ne	ne	ne	ne	68
615	Northeastern IL U.	68	18	24	47	47	26	17	65
616	Willamette U.	137	29	77	69	87	136	94	51
617	MN State U. Mankato	372	164	175	165	181	95	72 i	48
618	National U. of Health Sciences	ne	ne	ne	ne	402	362	31	48
619	Pacific U.	0	0	20	157	157	823	435 i	47
620	Wiley C.	0	0	0	0	0	263	169	45
621	VA Military Institute	67	92	50	24	10	32	0	35
622	Regis U.	58	93	69	69 e	105	ne	ne	33 i
623	SUNY Fredonia	93	52	120	121	104	172	116	33
624	U. WI Platteville	3 i	6 i	9 i	12 i	15 i	18 i	21 i	28
625	Saginaw Valley State U.	543 i	451 i	359 i	267 i	174	19	10	13

TABLE 28. Federally financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	CT C.	0 e	0 i	0 i	0 i	0 i	0 i	0 i	0 i
	Cooper Union	50 e	34	94	27	0	0	0	0
	Goucher C.	ne	ne	ne	ne	ne	ne	0 i	0 i
	Millsaps C.	ne	ne	ne	ne	ne	ne	ne	0 i
	Universidad del Turabo	ne	ne	ne	ne	ne	ne	ne	0 i
	All other sampled institutions	96,605	55,716	54,527	45,909	40,985	6,323	2,188	0

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; 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.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$649 million in federally financed R&D expenditures.

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 2005.

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	All institutions	10,705,381	11,429,677	12,533,615	13,575,974	14,527,309	15,325,142	15,608,941	16,583,285
1	U. WI Madison	203,182	250,476	275,732	300,134	317,098	320,813	329,452	320,517
2	U. CA, Los Angeles	213,362	225,621	256,664	380,943	420,836	428,183	311,424	315,736
3	U. CA, San Francisco	160,340	183,914	194,135	247,486	269,572	299,746	309,377	315,456
4	OH State U. all campuses	177,341	187,594	229,180	229,560	254,504	297,950	233,413	314,870
5	U. CA, Davis	174,778	183,487	223,049	277,459	280,009	273,818	289,820	306,975
6	U. FL	168,352	182,151	193,318	212,471	219,208	234,776	225,248	299,035
7	PA State U. all campuses	176,369	180,297	201,501	212,115	208,033	232,333	252,143	267,195
8	TX A&M U. all campuses	248,782	253,052	247,629	257,659	273,193	279,116	283,104	266,812
9	U. CA, Berkeley	248,679	260,514	310,176	238,193	257,449	268,980	256,768	263,591
10	U. CA, San Diego	155,687	169,625	192,522	213,257	225,625	246,408	243,061	257,089
11	U. MI all campuses	185,311	174,393	187,523	204,406	229,469	263,236	247,787	254,371
12	Duke U.	109,856	161,517	152,445	157,024	180,177	213,327	172,975	254,184
13	Cornell U. all campuses	159,324	160,760	180,521	203,362	225,545	233,892	236,447	241,110
14	U. AZ	140,329	142,119	157,929	167,644	179,055	195,867	194,724	237,422
15	U. MN all campuses	155,582	163,623	181,422	197,722	198,964	215,291	218,593	229,102
16	LA State U. all campuses	141,838	149,977	162,226	174,286	189,435	215,303	229,465	228,504
17	U. TX M. D. Anderson Cancer Ctr.	78,186	85,713	100,324	118,693	144,512	192,300	202,505	222,827
18	Purdue U. all campuses	123,635	130,703	142,526	156,766	178,301	180,277	221,689	214,635
19	U. GA	163,233	181,413	195,798	205,385	206,574	205,864	216,812	213,840
20	U. IL Urbana-Champaign	158,016	172,480	179,534	195,547	212,851	227,094	230,145	209,726
21	U. NE all campuses	112,792 i	133,141 i	132,478	154,732	165,220	179,797	183,717	203,910
22	NC State U.	174,721	190,103	187,221	203,384	198,037	189,868	189,134	193,468
23	U. PA	85,563	104,556	117,955	117,856	124,682	149,004	161,413	189,698
24	GA Institute of Technology all campuses	145,590	150,864	178,347	162,697	174,667	160,608	173,316	180,256
25	VA Polytechnic Institute and State U.	84,384	93,864	121,545	138,939	149,584	149,664	173,083	180,152
26	MI State U.	112,465	118,077	141,324	153,587	167,192	187,590	181,965	177,274
27	U. MD Baltimore	65,284	56,387	133,134	139,916	149,805	171,115	176,072	175,126
28	Rutgers, The State U. NJ all campuses	127,224	138,174	145,557	159,637	167,624	168,722	167,879	171,922
29	Johns Hopkins U., The <sup>a</sup>	100,637	103,938	107,890	119,505	117,725	137,161	145,588	166,500
30	U. KY all campuses	100,586	107,850	128,534	125,482	135,849	152,059	167,723	163,859
31	Baylor C. of Medicine	105,918	131,087	140,926	147,067	152,449	158,999	163,406	158,056
32	U. TX Austin	79,761	93,209	93,922	99,920	101,808	111,858	108,605	156,452
33	SUNY Albany	16,674	18,036	20,733	23,448	26,996	44,617	109,265	155,767
34	Northwestern U.	95,324	101,162	95,536	99,804	103,547	119,406	128,354	143,129
35	U. MD College Park	93,992	112,547	115,824	121,868	130,885	138,693	144,705	142,640



TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
36	Stanford U.	67,883	72,602	90,739	98,438	111,854	119,687	129,379	140,222
37	IN U. all campuses	75,914	92,528	120,160	143,118	166,321	184,044	217,255	135,609
38	U. TN all campuses	80,901	88,743	91,631	83,287	99,917	116,903	119,403	134,695
39	Washington U. St. Louis	82,377	97,008	108,068	121,714	113,519	116,964	118,522	131,147
40	U. MO-Columbia	90,613	95,127	93,441	106,347	99,269	121,001	127,246	124,680
41	MA Institute of Technology	102,357	111,385	119,631	131,176	116,377	129,558	115,896	123,507
42	U. NC Chapel Hill	63,791	69,832	74,278	81,961	116,235	109,864	112,523	120,739
43	U. IL Chicago	77,942	88,687	93,896	107,989	116,669	123,444	119,943	120,116
44	U. TX Southwestern Medical Ctr. Dallas	56,511	63,524	80,051	90,556	108,700	99,496	113,515	118,743
45	Clemson U.	61,951	72,277	83,599	75,325	87,666	90,434	97,520	118,298
46	U. IA	83,751	84,497	96,180	100,099	108,065	94,775	103,049	117,790
47	U. South FL	68,395	81,956	94,840	112,724	113,786	107,147	113,115	116,638
48	SUNY Buffalo all campuses	75,613	81,333	91,282	90,234	105,583	110,386	115,087	115,381
49	U. CA, Irvine	63,813	66,337	70,163	78,131	93,921	100,783	106,029	115,239
50	U. Southern CA	78,259	81,122	89,573	94,390	105,752	113,904	114,076	114,910
51	Rockefeller U.	71,649	76,509	78,927	90,209	99,044	116,840	109,687	113,167
52	IA State U.	105,570	107,122	115,582	117,172	117,245	117,269	119,761	111,540
53	Case Western Reserve U.	44,056	42,154	42,471	39,401	37,154	45,222	36,275	111,133
54	Wayne State U.	80,810	89,222	92,494	96,536	103,097	111,679	110,775	105,750
55	WA State U.	50,912	52,333	56,355	59,277	85,724	104,528	96,791	102,455
56	U. WA	95,900	114,547	139,720	154,523	140,214	119,212	88,758	101,202
57	Yale U.	57,634	60,646	64,687	70,812	79,939	90,931	91,991	98,916
58	U. CA Office of the President	NA	NA	NA	NA	NA	NA	90,030	96,726
59	U. of Medicine and Dentistry NJ	54,663	64,547	65,633	76,363	87,921	85,268	87,322	96,539
60	MS State U.	58,406	64,368	78,695	81,446	81,131	86,085	109,147	95,360
61	U. Pittsburgh all campuses	45,331	54,859	66,654	80,221	93,287	64,059	67,249	90,662
62	U. Rochester	43,844	44,274	46,742	67,316	66,303	77,620	81,110	87,840
63	SUNY Stony Brook all campuses	50,235	55,045	66,666	75,222	75,923	87,878	90,423	86,508
64	U. OK all campuses	72,410	84,496	90,360	88,431	99,985	99,148	77,530	85,887
65	U. CT all campuses	81,259	79,490	94,940	94,353	78,677	78,687	83,627	85,635
66	NY U.	55,026	56,055	65,042	60,825	72,983	75,560	77,892	84,416
67	U. Cincinnati all campuses	69,388	52,677	61,610	64,846	66,486	68,840	81,361	83,382
68	Princeton U.	46,991	51,263	60,194	70,791	66,684	75,940	76,938	82,338
69	Columbia U. in the City of NY	37,284	39,429	36,530	36,569	48,654	52,140	61,908	82,236
70	CO State U.	59,728	58,338	50,850	59,836	66,195	69,903	52,812	81,966
71	Auburn U. all campuses	60,062	53,486	61,097	66,250	66,343	71,626	76,140	80,884
72	U. KS all campuses	66,548	75,480	79,720	81,973	89,468	80,136	79,272	79,337
73	U. UT	42,234	42,127	63,317	70,344	74,082	71,627	69,027	76,039
74	AZ State U. main campus	50,660	53,279	58,182	62,147	58,609	73,850	72,287	72,378
75	OR State U.	55,824	57,636	60,353	69,071	70,052	67,132	66,010	71,279

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
76	U. CA, Riverside	56,776	55,827	62,495	68,742	79,631	72,059	69,646	69,302
77	Vanderbilt U.	28,889	32,788	41,940	40,274	35,447	54,095	56,851	68,739
78	Medical U. SC	21,467	24,822	23,811	56,144	56,227	57,658	59,685	68,513
79	U. CO all campuses	82,861	73,932 e	53,241 i	56,829	59,352	58,820	68,006	67,701
80	FL State U.	44,012	42,007	48,265	56,742	63,895	64,292	65,165	67,111
81	Emory U.	54,839	56,354	61,156	66,680	85,155	94,969	68,437	66,797
82	Scripps Research Institute, The	NA	NA	NA	NA	NA	NA	70,921	65,665
83	U. AR main campus	55,530	45,734	50,039	55,131	55,475	55,206	57,830	64,642
84	KS State U.	54,232	57,478	60,605	60,032	62,816	59,420	63,218	64,577
85	OK State U. all campuses	48,246	59,929	63,515	64,675	63,887	65,331	60,570	62,799
86	U. Central FL	22,028	26,418	33,845	56,945	36,422	42,131	59,241	62,689
87	U. Louisville	24,080	41,515	46,349	47,741	41,996	48,598	56,177	61,243
88	U. CA, Santa Barbara	27,354	30,535	37,400	39,544	53,425	60,708	59,077	61,059
89	U. MA Amherst	46,774	46,699	52,195	48,400	54,562	52,673	55,336	60,566
90	U. SC all campuses	50,199	57,345	52,526	57,990	69,705	58,366	49,815	57,117
91	U. TX Medical Branch	37,900	38,519	36,539	38,040	51,434	60,083	64,307	57,019
92	ND State U. all campuses	30,220	32,388	34,600	49,675	50,691	53,872	56,740	56,951
93	Dartmouth C.	19,911	22,781	22,505	39,252	39,584	49,761	50,157	56,765
94	U. WY	30,694	28,088	26,538	21,615	21,615 e	36,868	36,868 e	54,098
95	U. Miami	35,480	37,725	39,162	41,969	50,148	46,846	52,503	53,513
96	WV U.	37,377	37,128	38,117	41,871	35,591	44,162	47,183	52,909
97	Harvard U.	54,224	60,174	60,111	71,693	64,760	60,087	54,731	51,290
98	U. AK Fairbanks all campuses	44,101	54,178	55,895	54,908	50,110	56,309	56,943	49,851
99	OR Health & Science U.	27,228 i	24,774 i	22,321	25,114	28,498	32,957	48,228	49,542
100	U. NM all campuses	41,545	30,874	33,538	47,114	46,346	51,698	57,786	49,146
101	VA Commonwealth U.	32,371	31,610	36,083	41,865	44,591	45,250	43,773	48,783
102	U. Chicago	25,653	27,085	29,806	38,559	41,434	46,193	43,288	48,291
103	Brown U.	29,565	31,054	31,533	33,269	41,267	43,645	46,615	47,405
104	U. TX Health Science Ctr. San Antonio	30,403	30,900	38,573	44,001	45,855	46,621	47,377	47,250
105	U. ME	20,078	22,289	30,409	40,197	38,417	40,022	44,703	46,115
106	U. MA Worcester	29,184	27,524	33,375	31,768	38,737	39,741	42,928	45,669
107	Tulane U.	34,934	36,545	37,705	44,092	38,174	35,591	35,760	44,331
108	U. ID	40,615	38,268	38,333	40,948	43,293	42,352	44,681	43,797
109	U. Houston	20,279	22,927	27,537	29,691	28,252	30,899	26,494	43,469
110	Wake Forest U.	20,188	22,534	21,255	20,322	19,896	21,938	13,678	43,467
111	U. CA, Santa Cruz	26,652	27,818	30,253	35,052	38,066	40,235	41,101	43,316
112	NJ Institute of Technology	19,855	19,855	30,514	39,473	41,588	43,129	44,003	41,204
113	Medical C. WI	12,190	14,359	15,547	19,854	20,459	25,582	38,688	40,681
114	U. HI Manoa	61,121	63,392	65,881	59,260	50,941	35,705	49,333	40,514
115	Southern IL U. Carbondale	22,689	25,509	26,224	32,339	42,815	40,940	38,396	40,459

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
116	TX A&M U. System Health Science Ctr.	na	na	11,415	22,475	27,219	28,302	33,887	40,213
117	U. TX Health Science Ctr. Houston	31,547	34,019	39,922	36,894	39,704	41,813	40,591	40,122
118	UT State U.	39,325	40,931	45,783	47,108	42,228	43,368	45,671	38,964
119	San Diego State U.	22,194	25,855	32,200	34,711	39,079	38,969	36,618	38,559
120	U. VA all campuses	39,962	23,282	24,732	26,679	29,982	32,757	40,411	38,335
121	MT State U. Bozeman	28,310	29,244	34,760	34,736	38,225	38,220	38,822	37,861
122	U. VT	26,372	27,964	23,530	26,787	30,322	34,162	35,105	35,814
123	U. DE	36,208	38,893	36,995	35,661	36,974	31,213	33,402	35,618
124	U. NV, Reno	25,093	23,352	29,981	27,843	26,763	32,797	32,765	35,250
125	U. Memphis, The	16,637	17,916	16,204	18,433	19,553	23,743	30,042	34,836
126	Yeshiva U.	19,000	22,091	37,987	40,430	42,856	48,342	31,733	34,750
127	TX Tech U.	35,645	38,246	44,783	46,951	54,583	60,739	34,411	34,552
128	Rush U.	26,833	29,838	35,616	32,918	34,638	39,362	37,548	34,543
129	NM State U. all campuses	20,783	23,002	22,622	25,839	32,764	33,245	16,933	34,180
130	Mt. Sinai School of Medicine	39,453	43,141	51,658	67,602	59,356	51,134	27,537	33,967
131	Tufts U.	30,963	38,036	41,106	34,137	36,055	33,667	33,435	32,828
132	U. AR for Medical Sciences	17,630	17,674	19,112	17,702	17,555	21,996	20,814	32,463
133	U. AL Birmingham, The	60,890	66,892	58,152	37,077	38,832	39,280	49,286	30,102
134	U. NH	26,446	27,027	33,187	42,656	42,393	36,952	36,018	29,725
135	Temple U.	34,231	24,206	14,253	18,539	19,273	20,018	25,599	29,075
136	George Washington U.	29,409	16,813	19,673	22,048	27,559	23,495	25,281	28,936
137	Uniformed Services U. of the Health Sciences	12,762	13,202	12,964	13,142	18,336	21,077	27,591	28,678
138	U. LA Lafayette	18,934	21,305	20,528	19,943	34,871	29,314	39,368	28,461
139	U. MD Ctr. for Environmental Science	16,598	18,700	20,800	24,530	25,421	25,690	25,807	27,169
140	Northeastern U.	4,931	7,433	8,424	10,935	14,245	16,036	16,624	26,990
141	Carnegie Mellon U.	42,404	51,766	46,789	47,419	50,224	28,768	32,291	26,395
142	NM Institute of Mining and Technology	13,832	15,342	14,984	15,137	17,445	21,752	24,623	25,877 i
143	Drexel U.	8,674	9,483	10,584	7,539	14,233	20,277	21,157	25,443
144	Medical C. GA	26,679	27,112	30,386	31,075	28,388	28,118	22,967	25,368
145	FL International U.	3,637	9,304	14,353	20,351	15,597	11,315	15,632	25,350
146	GA State U.	19,869	22,213	24,510	25,385	25,597	23,435	19,570	25,058
147	U. MD Biotechnology Institute	20,072	17,261	18,789	24,885	26,972	25,151	23,289	24,859
148	U. MS all campuses	11,616	13,076 i	16,820	18,959 i	21,098 i	23,238	20,080	24,310
149	Georgetown U.	31,810	27,454	34,375	5,602	30,326	29,250	30,468	23,610
150	C. of William and Mary all campuses	14,869	19,430	20,268	20,541	21,851	21,982	23,371	23,248
151	Rensselaer Polytechnic Institute	16,786	16,231	15,207	19,116	19,465	18,482	20,256	23,233
152	U. TX Dallas	7,096	8,328	8,635	8,635 e	14,574	16,218	15,541	23,178
153	Wichita State U.	10,471	11,295	10,985	10,416	12,155	11,782	18,152	23,137
154	Old Dominion U.	7,804	9,324	10,150	9,379	12,053	11,442	13,442	22,543
155	OH U. all campuses	11,146	10,893	12,072	14,248	18,924	17,121	17,873	22,493

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
156	Thomas Jefferson U.	17,732	22,041	22,178	24,055	23,757	23,735	19,782	21,217
157	MI Technological U.	12,584	11,967	10,554	11,993	12,032	12,597	16,935	20,428
158	U. of Notre Dame	5,820	6,869	7,162	16,295	19,086	18,583	25,605	20,194
159	Southern IL U. Edwardsville	722	1,169	1,144	959	12,630	15,760	18,144	19,840
160	Wright State U. all campuses	8,844	10,766	16,549	16,616	14,892	16,127	17,453	19,801
161	U. MT, The	8,385	9,745	11,212	14,341	16,755	16,342	16,600	18,252
162	SD State U.	9,819	9,513	9,336	11,261	10,970	16,211	17,515	18,128
163	U. RI	4,632	8,245	9,597	7,674	7,894	9,876	12,357	18,120
164	Boston U.	25,626	17,712	20,299	21,260	21,174	20,894	21,813	17,678
165	U. WI Milwaukee	11,871	12,135	11,585	12,403	13,472	13,555	14,598	16,855
166	U. Toledo	6,146	6,137	7,382	9,577	15,829	13,195	14,479	16,830
167	Woods Hole Oceanographic Institution	10,246	12,188	14,511	15,359	21,506	19,813	13,631	16,770
168	U. Akron all campuses	12,284	9,139	12,414	13,594	18,543	18,605	17,204	16,642
169	U. MO-Rolla	13,806	17,162	16,164	16,870	16,473	17,857	21,024	16,565
170	CA Institute of Technology	7,318	16,913	25,789	21,531	20,060	21,567	16,911	15,993
171	Lehigh U.	13,096	14,741	12,780	15,097	9,168	12,996	12,648	15,648
172	SUNY Binghamton	14,549	12,237	12,342	12,600	12,384	14,109	14,991	15,275
173	U. MD Baltimore County	5,537	6,230	5,800	5,946	6,947	8,742	11,855	15,090
174	Syracuse U. all campuses	8,122	9,590	10,443	12,440	13,166	14,287	15,114	15,075
175	U. ND all campuses	3,534	3,384	3,463	3,949	8,969	13,467	13,246	14,706
176	CUNY Hunter C.	7,083	8,408	6,397	9,042	11,332	15,657	16,095	14,480
177	Brandeis U.	16,491	18,882	21,214	22,787	18,116	17,119	13,457	14,348
178	Creighton U.	10,915	11,086	10,300	10,399	12,388	14,703	11,706	14,339
179	U.S. Air Force Academy	130	62	46	314	17,426	14,599	14,259	14,273
180	U. MO-Kansas City	6,676	7,125	12,157	10,619	13,265	16,872	16,272	13,820
181	Boston C.	4,996	7,234	11,094	10,645	8,927	9,251	9,251 e	13,787
182	Eastern VA Medical School	12,223	12,742	11,185	14,861	15,495	17,370	16,268	13,752
183	U. NV, Las Vegas	7,199	9,922	10,400	11,327	8,160	9,694	17,416	12,401
184	U. AL Huntsville, The	13,174	15,037	15,335	13,106	12,693	11,037	9,652	12,243
185	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	NA	NA	12,223	11,967
186	U. MA Boston	8,331	8,181	8,680	9,126	8,284	10,214	10,048	11,822
187	San Jose State U.	9,180 e	9,180 e	9,180 e	8,408	9,226	9,388	8,905	11,726
188	SUNY Upstate Medical U.	7,602	7,210	8,634	8,479	8,922	9,279	9,440	11,656
189	U. TX El Paso	3,334	3,669	4,461	5,722	7,227	9,069	8,540	11,447
190	FL Atlantic U.	4,683	6,115	7,176	11,012	8,429	8,429	9,105	11,432
191	U. TX Arlington	7,781	5,361	5,617	8,073	7,249	7,218	8,505	11,317
192	San Francisco State U.	1,390 i	1,370 e	662 e	662 e	1	6,411	5,847	11,198
193	CO School of Mines	11,987	11,011	9,800	11,340	13,285	12,848	10,537	10,998
194	LA Tech U.	5,372	5,372 e	7,593	7,744	8,623	8,942	11,400	10,496
195	Portland State U.	3,626	4,627	5,277	5,497	5,769	8,157	8,157 e	10,360

TABLE 29. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
196	U. AL, The	9,026	11,308	12,361	10,950	10,230	7,946	9,803	10,138
197	Miami U. all campuses	4,051	7,662	8,000	9,480	9,258	9,415	10,245	10,012
198	Loyola U. Chicago	16,556	11,413	9,339	10,682	9,929	9,474	6,984	9,967
199	U. NC Wilmington	3,110	3,216	2,523	3,065	4,618	3,805	4,430	9,952
200	Air Force Institute of Technology	2,012	2,776	2,400	6,640	6,634	6,036	8,337	9,732
	All other sampled institutions	589,523	596,806	598,617	622,524	682,557	711,752	674,046	663,572

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; na = not applicable; institution did not exist or did not exist as a separate entity.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$29 million in nonfederally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 30. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005  
(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	All institutions	1,888,299	2,032,727	2,155,741	2,218,417	2,190,927	2,161,657	2,129,352	2,292,401
1	Duke U.	65,114	121,630	109,791	104,063	99,807	122,181	94,359	134,608
2	PA State U. all campuses	63,319	65,698	64,393	67,658	67,131	77,660	85,570	87,928
3	OH State U. all campuses	40,401	52,034	57,075	54,736	51,135	45,957	56,580	81,423
4	MA Institute of Technology	60,538	75,444	83,082	97,256	79,921	80,664	72,227	72,121
5	U. MD Baltimore	20,783	11,572	29,892	41,226	51,562	65,473	59,838	57,806
6	Purdue U. all campuses	26,988	28,856	29,997	29,765	29,614	34,720	37,908	46,571
7	U. WA	38,370	51,319	57,405	43,312	46,702	48,222	46,531	45,281
8	NC State U.	31,429	34,414	35,675	37,858	34,656	35,940	40,734	38,710
9	U. TX Austin	31,326	39,729	24,740	30,310	26,114	32,174	27,176	35,045
10	U. PA	25,593	30,269	32,632	28,227	26,994	26,623	27,678	34,483
11	U. CA, San Diego	27,010	31,356	34,541	36,845	32,299	28,868	31,028	34,259
12	U. MI all campuses	33,029	34,432	35,515	34,439	33,252	36,087	32,215	34,191
13	U. CA, San Francisco	34,369	36,830	34,964	35,759	33,577	37,396	31,482	34,175
14	Stanford U.	27,404	31,516	41,013	35,012	39,110	31,176	34,296	34,072
15	GA Institute of Technology all campuses	58,377	62,752	64,508	59,691	55,802	32,839	29,500	33,117
16	U. AZ	16,392	16,660	22,412	22,934	23,104	31,079	29,571	32,914
17	U. Rochester	17,653	18,226	17,595	23,782	24,645	25,298	27,926	31,094
18	U. South FL	5,397	6,236	10,873	11,152	8,215	2,115	6,533	28,863
19	U. TX M. D. Anderson Cancer Ctr.	0	0	20,271	26,717	33,407	31,316	22,338	26,766
20	U. MN all campuses	24,094	23,933	26,392	26,454	26,572	24,152	21,923	26,433
21	U. CA, Los Angeles	28,310	34,404	33,427	32,539	31,686	30,425	27,656	25,333
22	U. CA, Davis	14,238	16,242	17,891	16,989	20,754	22,688	24,248	25,046
23	U. FL	21,393	28,183	34,879	17,183	19,017	23,893	16,666	24,420
24	U. CA, Berkeley	20,902	21,928	27,851	26,791	24,999	22,460	22,833	24,095
25	Johns Hopkins U., The <sup>a</sup>	14,761	15,317	15,751	18,737	20,282	19,477	19,838	23,446
26	U. Southern CA	24,125	23,111	25,298	22,949	24,321	25,406	19,960	23,177
27	Cornell U. all campuses	11,253	12,053	12,697	22,261	27,341	25,569	23,023	22,894
28	U. of Medicine and Dentistry NJ	8,841	10,736	10,001	13,496	12,125	11,364	14,533	19,472
29	U. Miami	13,338	15,752	17,028	17,554	17,262	17,117	18,924	19,402
30	TX A&M U. all campuses	33,674	34,722	31,084	35,110	33,300	27,006	32,094	18,927
31	U. Central FL	4,019	4,873	5,833	5,288	5,499	6,128	14,652	18,746
32	Case Western Reserve U.	6,984	6,157	5,890	6,190	5,555	5,339	5,340	18,646
33	U. WI Madison	14,371	14,172	16,127	17,237	16,746	15,918	17,911	17,912
34	Baylor C. of Medicine	16,588	19,400	17,578	18,389	18,729	17,526	18,642	17,567
35	Yale U.	15,829	15,242	14,355	14,119	13,025	15,417	14,394	17,100
36	U. IA	17,262	20,778	17,262	21,394	19,169	20,954	14,075	16,957
37	Scripps Research Institute, The	NA	NA	NA	NA	NA	NA	17,798 i	16,479
38	U. TN all campuses	12,551	15,093	12,740	15,391	14,520	13,994	13,860	15,603
39	U. CA, Irvine	15,981	16,539	18,615	15,803	14,261	11,101	13,391	14,944
40	Wake Forest U.	15,546	16,320	15,125	13,330	12,510	12,962	5,787	14,940
41	LA State U. all campuses	12,157	13,187	15,108	16,648	16,394	16,212	15,506	14,596
42	VA Polytechnic Institute and State U.	12,132	13,287	14,869	18,355	20,866	24,760	22,857	14,439
43	U. TX Southwestern Medical Ctr. Dallas	13,926	16,197	14,861	13,320	12,836	12,087	12,493	14,293
44	U. GA	10,534	11,034	12,276	13,791	15,387	15,777	12,794	14,279
45	Washington U. St. Louis	19,869	19,964	22,691	24,865	16,100	13,054	13,114	14,068
46	Wayne State U.	11,207	10,660	10,932	10,860	11,163	13,566	12,473	12,979
47	Carnegie Mellon U.	19,136	17,761	21,136	23,491	25,261	13,132	14,728	12,819
48	U. NE all campuses	10,276 i	10,990 i	11,552	11,840	13,982	14,314	13,471	12,636
49	U. CA, Santa Barbara	3,809	4,742	5,499	6,001	10,482	13,550	12,286	12,483
50	U. HI Manoa	10,949	13,021	11,158	7,232	9,957	6,829	21,234	12,155

TABLE 30. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005  
(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
51	U. CO all campuses	9,963	9,867 e	9,356 i	9,002	11,822	10,239	10,018	11,966
52	Rush U.	8,911	8,154	8,762	9,128	10,108	9,321	9,387	11,814
53	Clemson U.	6,641	8,445	9,768	11,582	12,035	12,329	12,687	11,731
54	U. AK Fairbanks all campuses	16,081	19,340	19,686	28,352	22,907	23,093	16,934	11,356
55	U. IL Urbana-Champaign	13,636	12,864	12,693	10,992	11,796	13,253	13,128	11,348
56	NM Institute of Mining and Technology	6,385	7,034	6,373	6,204	6,378	8,145	10,755	11,303 i
57	IA State U.	13,717	14,905	15,075	13,177	16,047	14,384	15,056	11,196
58	OR Health & Science U.	1,757 i	1,599 i	12,430	11,538	10,626	8,673	9,233	11,108
59	U. CT all campuses	9,905	10,355	13,540	9,819	9,889	12,143	10,738	11,066
60	SUNY Buffalo all campuses	3,021	5,485	5,590	11,598	12,171	10,575	10,363	11,045
61	SUNY Albany	1,426	1,337	622	1,017	1,337	1,554	7,409	10,693
62	CO State U.	6,155	7,213	6,519	8,850	10,034	14,736	15,622	10,228
63	CO School of Mines	9,877	9,292	7,870	9,466	11,001	11,327	9,510	10,049
64	U. MD College Park	2,127	3,053	1,028	7,315	5,078	8,060	9,188	9,841
65	MI State U.	7,250	7,647	11,230	10,953	11,458	11,307	8,628	9,393
66	Mt. Sinai School of Medicine	7,588	9,257	12,141	18,133	12,203	12,686	10,780	9,195
67	Harvard U.	10,361	11,790	12,189	14,056	10,215	5,929	5,877	9,132
68	VA Commonwealth U.	8,478	8,062	7,495	8,522	9,053	10,780	9,489	9,085
69	Thomas Jefferson U.	10,155	12,081	12,324	12,326	13,209	8,781	8,035	9,018
70	Creighton U.	6,475	6,242	6,084	5,942	7,122	7,710	7,450	8,788
71	U. AL Birmingham, The	16,842	10,181	7,752	8,443	8,368	6,255	9,391	8,779
72	Northwestern U.	13,292	14,168	12,860	14,294	12,214	8,927	9,221	8,649
73	Boston U.	9,461	7,601	8,574	8,450	8,935	8,084	8,575	8,592
74	Medical U. SC	2,737	2,202	2,880	7,168	9,939	7,288	7,472	8,547
75	U. VA all campuses	12,428	4,891	6,954	7,733	9,026	9,053	7,456	8,521
76	AZ State U. main campus	4,609	4,267	4,700	5,641	7,095	8,103	8,062	8,473
77	Columbia U. in the City of NY	3,018	2,630	3,362	2,885	3,110	5,350	7,420	8,446
78	Northeastern U.	3,530	2,981	3,567	5,530	7,487	8,179	8,316	8,424
79	U. Cincinnati all campuses	24,388	5,989	5,166	6,028	4,549	5,254	6,958	8,220
80	U. TX Health Science Ctr. Houston	11,106	12,872	13,029	10,945	11,241	12,414	7,373	8,214
81	U. KY all campuses	13,668	15,109	11,213	12,933	7,810	6,693	7,299	8,194
82	Tufts U.	5,560	7,027	8,118	7,726	8,888	8,756	7,392	8,149
83	U. TX Medical Branch	5,319	6,366	6,146	6,020	5,737	7,979	5,842	8,065
84	Rutgers, The State U. NJ all campuses	9,038	9,833	8,843	10,965	11,772	10,821	9,665	8,034
85	U. MA Worcester	2,631	4,265	3,467	3,317	3,275	4,397	5,904	8,018
86	U. OK all campuses	7,661	7,756	9,499	10,396	12,660	10,645	8,085	7,921
87	IN U. all campuses	6,333	4,820	5,384	6,375	5,312	8,079	7,939	7,804
88	U. UT	10,007	8,951	7,940	6,023	5,819	4,964	5,032	7,799
89	Georgetown U.	9,383	7,939	9,795	4,996	9,421	8,972	4,415	7,734
90	MS State U.	7,470	7,892	7,955	6,744	6,366	6,246	6,788	7,595
91	U. VT	5,513	7,112	5,713	6,434	7,157	7,477	6,856	7,259
92	U. of Notre Dame	2,020	2,920	2,279	3,631	7,076	6,971	7,312	7,196
93	U. AR main campus	5,145	6,198	4,746	4,224	6,370	5,470	5,958	7,071
94	U. IL Chicago	9,424	9,683	11,010	10,989	9,325	7,014	6,369	7,033
95	Tulane U.	10,734	11,914	10,340	8,654	13,555	14,454	6,660	7,019
96	Mercer U. all campuses	1,718	1,280	1,405	1,115	1,986	5,099	6,899	6,916
97	U. NC Chapel Hill	4,860	5,886	6,835	6,971	6,601	6,551	6,543	6,678
98	NY Medical C.	2,461	3,742	3,294	3,626	3,802	5,266	6,253	6,626
99	Princeton U.	5,242	5,965	6,881	8,246	8,292	8,487	7,975	6,539
100	Vanderbilt U.	4,036	3,730	4,063	3,036	3,302	5,042	5,052	6,027

TABLE 30. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005  
(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
101	CA Institute of Technology	2,001	6,332	8,919	10,225	9,989	4,825	3,918	5,982
102	Emory U.	7,670	7,794	7,513	7,950	9,282	6,416	5,524	5,831
103	U. ND all campuses	2,357	2,308	2,356	2,458	4,704	5,657	4,918	5,665
104	Southern IL U. Carbondale	2,306	2,462	2,355	5,484	4,108	3,281	7,519	5,657
105	U. NH	3,635	4,395	4,923	7,751	5,964	6,195	6,032	5,603
106	Embry-Riddle Aeronautical U.	104	104 e	62 i	522	745	1,898	2,516	5,382
107	Temple U.	8,855	1,284	188	5,400	5,030	4,245	6,202	5,331
108	OK State U. all campuses	2,887	3,447	4,076	3,688	3,752	4,877	4,326	5,300
109	TX Tech U.	5,549	5,682	5,946	6,236	6,774	7,166	6,224	4,979
110	Auburn U. all campuses	4,452	3,649	3,917	4,683	4,178	3,849	3,833	4,969
111	U. NM all campuses	3,331	2,940	1,853	1,821	1,427	2,286	2,413	4,825
112	George Washington U.	7,575	4,001	4,220	5,081	6,456	1,863	2,058	4,794
113	Eastern VA Medical School	7,448	8,561	6,044	6,264	3,926	4,150	4,709	4,757
114	U. MA Lowell	5,099	6,234	7,204	6,911	5,294	4,920	3,904	4,755
115	U. MA Amherst	6,236	5,796	5,535	6,181	5,417	3,838	4,914	4,724
116	SUNY Stony Brook all campuses	6,908	7,416	7,567	7,026	5,947	4,950	4,802	4,640
117	U. Pittsburgh all campuses	10,436	12,990	14,676	14,817	13,023	4,427	6,639	4,514
118	U. Dayton	6,285	4,454	5,598	5,138	3,357	3,143	3,781	4,431
119	U. TX Health Science Ctr. San Antonio	10,845	10,777	10,707	9,677	8,847	7,514	6,268	4,391
120	OH U. all campuses	1,948	2,843	1,591	2,022	2,729	2,831	2,959	4,345
121	Rensselaer Polytechnic Institute	10,974	10,084	6,581	5,928	5,142	6,486	6,429	4,253
122	MI Technological U.	3,747	3,578	3,834	4,176	2,899	3,369	3,761	4,248
123	Morehouse School of Medicine	742	129	677	1,047	1,350	150	8,096	4,247
124	U. CA, Riverside	1,929	3,893	3,345	4,227	3,358	5,004	4,807	4,156
125	Dartmouth C.	2,574	4,544	4,274	4,389	4,425	5,062	4,780	3,950
126	TX A&M U. System Health Science Ctr.	na	na	2,704	1,050	2,005	1,631	2,876	3,938
127	U. DE	3,859	4,152	3,757	5,041	5,661	2,982	2,984	3,932
128	U. MO-Columbia	4,348	3,832	4,007	4,654	5,042	4,802	4,177	3,918
129	Wright State U. all campuses	1,325	1,717	2,968	3,269	3,812	3,570	2,900	3,871
130	U. ME	7,074	2,324	2,899	3,562	4,030	3,323	3,737	3,843
131	U. Chicago	1,684	1,621	1,462	1,746	2,285	3,189	3,098	3,819
132	U. MO-Rolla	1,361	2,079	2,543	3,088	4,283	3,540	6,505	3,704
133	Medical C. GA	3,072	3,603	3,609	3,478	2,793	2,687	3,055	3,611
134	Old Dominion U.	1,974	2,787	3,533	2,885	3,318	2,919	3,772	3,564
135	U. RI	442	1,095	1,194	441	353	619	2,474	3,526
136	U. Akron all campuses	2,767	2,150	3,090	2,557	2,568	3,044	3,475	3,408
137	WV U.	4,547	5,532	7,185	6,328	6,795	2,274	3,757	3,341
138	WA State U.	3,158	3,158	4,579	4,438	3,874	3,666	3,031	3,325
139	U. Houston	1,707	1,762	1,689	1,992	3,784	4,980	5,297	3,290
140	Rockefeller U.	2,641	2,707	2,775	2,844	2,916	2,988	3,063	3,140
141	Wichita State U.	378	1,043	3,500	3,220	2,830	2,322	2,937	3,106
142	U. AR for Medical Sciences	3,040	3,889	3,321	2,900	2,676	3,519	3,270	3,072
143	U. KS all campuses	8,281	14,393	15,712	4,155	5,098	2,821	2,295	3,027
144	MT State U. Bozeman	7,378 i	7,079	8,523	7,041	6,161	5,601	4,446	3,016
145	U. NC Charlotte	1,317	924	701	773	1,159	1,705	1,605	2,960
146	U. Memphis, The	784	710	490	817	268	430	284	2,959
147	CUNY The City C.	950	1,531	1,659	1,602	1,967	1,829	3,183	2,852
148	KS State U.	3,445	3,746	4,057	4,943	5,659	2,751	3,407	2,851
149	Brown U.	1,603	1,795	1,530	1,777	2,172	2,363	1,785	2,717
150	U. CA, Santa Cruz	1,518	1,094	1,531	1,004	1,084	1,683	2,098	2,716



TABLE 30. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005  
(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
151	NY U.	8,391	7,502	7,767	6,535	5,902	8,043	9,032	2,692
152	Polytechnic U.	2,093	2,135	2,100	2,510	2,825	3,054 i	2,497	2,680
153	SUNY Binghamton	2,726	3,584	3,327	2,493	2,654	2,281	2,418	2,658
154	Baylor U.	75	75 e	475	741	1,051	1,325	1,033	2,575
155	Stevens Institute of Technology	2,748	2,424	2,555	0	0 e	0 i	1,313	2,563
156	U. Louisville	4,800	6,100	6,532	911	739	1,442	2,862	2,449
157	U. of the VI	150 e	96	96 e	167 i	1,070	1,769	1,639	2,364
158	Brigham Young U. all campuses	751	2,781	2,028	2,384	2,129	1,494	2,013	2,312
159	U. Tulsa	2,772	3,561	3,179	3,258	3,061	1,655	2,538	2,275
160	Clarkson U.	1,500	1,226	1,447	1,566	1,566 e	1,219 i	1,992	2,251
161	UT State U.	2,744	3,998	7,885	6,595	3,298	3,340	3,338	2,244
162	U. AL Huntsville, The	5,883	5,071	4,532	4,956	2,179	1,186	756	2,240
163	Western MI U.	1,600	1,648	1,650	858	1,530	1,764	2,353	2,216
164	Yeshiva U.	0	0	0	0	0	0	1,818	2,190
165	U. TX Arlington	2,642	2,220	700	787	2,288	967	1,984	2,179
166	OR State U.	518	211	141	298	467	353	2,713	2,175
167	ID State U.	1,055	1,915	2,256	2,060	2,554	2,544	2,758	2,115
168	Alfred U. all campuses	1,946	2,414	3,066	3,244	3,249	2,537	1,736	2,070
169	FL International U.	559	729	1,843	8,397	3,131	4,697	5,101	2,060
170	Drexel U.	4,057	4,078	3,137	251	795	2,407	2,344	2,058
171	Rochester Institute of Technology	1,462 e	769	917	2,705	2,633	2,875	4,293	1,874
172	U. AL, The	1,301	1,577	1,941	1,989	2,224	1,150	1,428	1,870
173	U. SC all campuses	2,022	2,176	2,822	4,239	5,050	3,368	2,889	1,854
174	Worcester Polytechnic Institute	1,485	870	1,380	1,059	2,166	2,068	2,041	1,782
175	Lehigh U.	6,074	6,669	5,636	5,532	1,680	1,373	1,259	1,764
176	U. TX El Paso	776	697	941	1,321	2,040	1,729	1,792	1,741
177	U. ID	6,496	1,903	2,764	3,634	3,809	3,111	1,415	1,731
178	Boston C.	577	934	1,487	2,050	2,479	1,251	1,251 e	1,713
179	U. of the Pacific	632	99	218	348	857	660	1,194	1,703
180	U. TX Dallas	981	1,336	4,715	4,715 e	3,367	2,843	1,016	1,676
181	FL Atlantic U.	3,981	5,681	6,387	9,580	6,406	6,386	648	1,669
182	U. Southern MS	805	996	984	807	1,905	2,067	1,648	1,645
183	SUNY Upstate Medical U.	241	272	263	807	910	1,377	1,468	1,615
184	Rice U.	1,435	1,645	2,858	1,720	1,600	1,426	2,265	1,581
185	FL State U.	1,159	988	693	892	1,176	1,329	1,658	1,571
186	U. WY	3,114	3,206	2,941	2,581	2,581 e	2,494	2,494 e	1,560
187	U. NV, Las Vegas	2,461	2,596	2,131	1,938	1,585	2,085	3,446	1,555
188	Northern IL U.	837	709	1,050	1,356	1,550	1,483	1,512	1,513
189	OR Institute of Technology	ne	ne	ne	ne	0	660	1,001	1,441
190	SUNY Health Science Ctr. Brooklyn	3,045	2,261	1,787	1,787 e	1,659 i	1,532 i	1,405 i	1,432
191	Medical C. WI	1,692	2,151	1,931	2,126	1,642	1,188	716	1,408
192	Syracuse U. all campuses	1,418	1,470	6,329	1,420	1,280	1,730	1,611	1,399
193	U. NV, Reno	1,394	1,374	2,557	2,338	1,204	1,570	1,463	1,367
194	NM State U. all campuses	2,843	2,892	3,466	4,272	3,131	4,895	651	1,253
195	U. MA Dartmouth	831	771	652	517	2,120	0	753	1,252

TABLE 30. Industry-financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005  
(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
196	ND State U. all campuses	1,449	1,300	2,044	3,784	1,801	979	704	1,236
197	CA State U. San Bernardino	0	1,847	288	261	165	101	537	1,232
198	U. North TX Health Science Ctr. Ft. Worth	553	2,389	2,105	1,092	1,016	585	1,954	1,223
199	U. MD Baltimore County	2,858	2,649	2,159	2,131	1,970	1,953	546	1,220
200	U. PR Medical Sciences Campus	2,548	602	954	1,121	1,495	1,848	1,437	1,194
	All other sampled institutions	121,183	102,747	106,821	115,718	110,095	102,544	83,013	73,116

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; 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.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$1 million in industry-financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 31. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
	All institutions	45,750,413	29,167,128	2,939,962	2,292,401	8,258,292	3,092,630
1	Johns Hopkins U., The <sup>a</sup>	1,443,792	1,277,292	4,627	23,446	66,148	72,279
2	U. MI all campuses	808,887	554,516	11,887	34,191	165,901	42,392
3	U. WI Madison	798,099	477,582	39,013	17,912	200,740	62,852
4	U. CA, Los Angeles	785,625	469,889	16,064	25,333	155,966	118,373
5	U. CA, San Francisco	754,444	438,988	24,935	34,175	127,647	128,699
6	U. CA, San Diego	721,035	463,946	18,051	34,259	121,741	83,038
7	Stanford U.	714,897	574,675	4,570	34,072	44,365	57,215
8	U. WA	707,519	606,317	9,860	45,281	29,665	16,396
9	U. PA	654,982	465,284	6,320	34,483	60,634	88,261
10	Duke U.	630,752	376,568	19,716	134,608	60,386	39,474
11	PA State U. all campuses	625,764	358,569	59,669	87,928	118,063	1,535
12	OH State U. all campuses	608,923	294,053	116,747	81,423	96,279	20,421
13	Cornell U. all campuses	606,804	365,694	62,054	22,894	108,049	48,113
14	MA Institute of Technology	580,742	457,235	121	72,121	11,100	40,165
15	U. CA, Berkeley	554,551	290,960	36,665	24,095	129,320	73,511
16	U. MN all campuses	548,873	319,771	50,384	26,433	74,628	77,657
17	U. CA, Davis	546,978	240,003	44,090	25,046	182,789	55,050
18	Columbia U. in the City of NY	535,424	453,188	5,893	8,446	33,263	34,634
19	Washington U. St. Louis	531,846	400,699	13,266	14,068	69,972	33,841
20	U. FL	530,734	231,699	87,713	24,420	161,136	25,766
21	U. AZ	530,233	292,811	4,424	32,914	173,054	27,030
22	U. CO all campuses	517,067	449,366	3,954	11,966	31,540	20,241
23	U. Pittsburgh all campuses	510,943	420,281	17,322	4,514	43,431	25,395
24	U. IL Urbana-Champaign	499,711	289,985	36,391	11,348	148,624	13,363
25	TX A&M U. all campuses	479,735	212,923	109,205	18,927	122,069	16,611
26	Baylor C. of Medicine	458,694	300,638	3,086	17,567	57,308	80,095
27	Harvard U.	447,196	395,906	2,144	9,132	0	40,014
28	U. Southern CA	445,036	330,126	5,314	23,177	86,419	0
29	U. NC Chapel Hill	441,033	320,294	20,846	6,678	93,215	0
30	Yale U.	431,618	332,702	122	17,100	27,884	53,810
31	GA Institute of Technology all campuses	425,386	245,130	11,142	33,117	126,597	9,400
32	U. TX Austin	410,981	254,529	21,224	35,045	76,620	23,563
33	Northwestern U.	387,242	244,113	1,234	8,649	95,689	37,557
34	U. TX M. D. Anderson Cancer Ctr.	383,780	160,953	99,677	26,766	53,322	43,062
35	Purdue U. all campuses	364,986	150,351	52,756	46,571	114,570	738
36	LA State U. all campuses	356,828	128,324	96,044	14,596	88,906	28,958
37	Vanderbilt U.	350,433	281,694	40	6,027	50,936	11,736
38	U. Rochester	345,337	257,497	12,395	31,094	26,444	17,907
39	U. MD College Park	338,648	196,008	15,758	9,841	106,991	10,050
40	Scripps Research Institute, The	338,634	272,969	0	16,479	28,879	20,307
41	U. IA	334,144	216,354	9,378	16,957	79,410	12,045
42	MI State U.	333,735	156,461	44,588	9,393	108,341	14,952
43	Emory U.	333,665	266,868	6,612	5,831	32,223	22,131
44	U. NE all campuses	333,126	129,216	10,202	12,636	163,072	18,000
45	Case Western Reserve U.	323,618	212,485	22,926	18,646	1,179	68,382
46	U. TX Southwestern Medical Ctr. Dallas	320,800	202,057	24,387	14,293	11,582	68,481
47	U. AL Birmingham, The	318,536	288,434	11	8,779	11,063	10,249
48	U. IL Chicago	318,279	198,163	9,492	7,033	82,751	20,840
49	U. GA	316,806	102,966	50,599	14,279	147,398	1,564
50	Rutgers, The State U. NJ all campuses	309,531	137,609	35,411	8,034	100,217	28,260

TABLE 31. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
51	IN U. all campuses	307,137	171,528	4,911	7,804	78,290	44,604
52	U. KY all campuses	306,653	142,794	42,058	8,194	91,287	22,320
53	U. MD Baltimore	304,396	129,270	29,766	57,806	45,984	41,570
54	NC State U.	302,596	109,128	92,125	38,710	59,782	2,851
55	U. Chicago	293,970	245,679	5,164	3,819	17,233	22,075
56	VA Polytechnic Institute and State U.	289,994	109,842	80,083	14,439	69,125	16,505
57	U. Cincinnati all campuses	286,036	202,654	13,041	8,220	51,345	10,776
58	U. CA, Irvine	276,763	161,524	10,164	14,944	54,243	35,888
59	NY U.	276,198	191,782	3,129	2,692	33,365	45,230
60	SUNY Buffalo all campuses	267,271	151,890	10,869	11,045	67,058	26,409
61	OR Health & Science U.	266,687	217,145	4,042	11,108	21,230	13,162
62	CA Institute of Technology	265,364	249,371	1,720	5,982	2,447	5,844
63	SUNY Albany	259,708	103,941	84,996	10,693	43,590	16,488
64	U. South FL	259,218	142,580	22,802	28,863	64,973	0
65	U. TN all campuses	255,699	121,004	54,424	15,603	45,818	18,850
66	Boston U.	246,520	228,842	320	8,592	0	8,766
67	U. UT	244,691	168,652	2,632	7,799	42,445	23,163
68	U. of Medicine and Dentistry NJ	239,778	143,239	11,181	19,472	41,756	24,130
69	U. VA all campuses	239,061	200,726	1,414	8,521	21,029	7,371
70	CO State U.	236,211	154,245	15,608	10,228	30,078	26,052
71	U. HI Manoa	230,651	190,137	7,077	12,155	21,282	0
72	Wayne State U.	226,331	120,581	15,860	12,979	64,032	12,879
73	Mt. Sinai School of Medicine	225,293	191,326	3,255	9,195	8,548	12,969
74	U. MO-Columbia	220,718	96,038	26,396	3,918	89,543	4,823
75	U. CT all campuses	219,982	134,347	6,509	11,066	52,759	15,301
76	SUNY Stony Brook all campuses	212,289	125,781	4,799	4,640	67,621	9,448
77	U. Miami	209,572	156,059	2,887	19,402	9,815	21,409
78	IA State U.	209,545	98,005	39,418	11,196	57,235	3,691
79	Princeton U.	202,380	120,042	1,883	6,539	62,466	11,450
80	Carnegie Mellon U.	200,297	173,902	5,086	12,819	4,208	4,282
81	Rockefeller U.	198,719	85,552	502	3,140	73,166	36,359
82	Yeshiva U.	195,644	160,894	0	2,190	32,560	0
83	U. KS all campuses	190,105	110,768	4,615	3,027	63,698	7,997
84	Wake Forest U.	185,152	141,685	10,445	14,940	4,918	13,164
85	WA State U.	182,677	80,222	31,076	3,325	50,196	17,858
86	OR State U.	180,309	109,030	35,264	2,175	31,093	2,747
87	MS State U.	179,825	84,465	31,742	7,595	56,023	0
88	Dartmouth C.	179,094	122,329	4,050	3,950	33,446	15,319
89	U. NM all campuses	178,703	129,557	1,463	4,825	41,447	1,411
90	Medical U. SC	176,709	108,196	1,695	8,547	54,160	4,111
91	U. MA Worcester	176,349	130,680	27,221	8,018	1,583	8,847
92	Clemson U.	175,127	56,829	28,859	11,731	75,343	2,365
93	U. TX Medical Branch	174,254	117,235	11,685	8,065	24,710	12,559
94	U. OK all campuses	173,663	87,776	11,587	7,921	53,154	13,225
95	FL State U.	172,858	105,747	9,969	1,571	49,507	6,064
96	AZ State U. main campus	166,923	94,545	17,012	8,473	44,382	2,511
97	U. CA, Santa Barbara	165,014	103,955	2,599	12,483	26,297	19,680
98	U. TX Health Science Ctr. Houston	152,631	112,509	6,993	8,214	10,293	14,622
99	VA Commonwealth U.	146,105	97,322	3,625	9,085	29,548	6,525
100	Medical C. WI	143,540	102,859	412	1,408	27,131	11,730

TABLE 31. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
101	U. TX Health Science Ctr. San Antonio	142,375	95,125	4,805	4,391	25,847	12,207
102	U. AK Fairbanks all campuses	139,488	89,637	1,168	11,356	37,327	0
103	Tulane U.	138,959	94,628	6,651	7,019	16,727	13,934
104	Brown U.	138,262	90,857	118	2,717	41,047	3,523
105	Auburn U. all campuses	132,203	51,319	3,094	4,969	67,934	4,887
106	UT State U.	131,624	92,660	16,206	2,244	15,193	5,321
107	Tufts U.	131,028	98,200	903	8,149	8,641	15,135
108	U. Louisville	128,347	67,104	8,451	2,449	34,007	16,336
109	U. MA Amherst	127,487	66,921	3,873	4,724	42,887	9,082
110	NM State U. all campuses	125,427	91,247	9,627	1,253	20,666	2,634
111	Georgetown U.	123,938	100,328	575	7,734	4,284	11,017
112	KS State U.	123,398	58,821	35,130	2,851	22,193	4,403
113	U. CA, Riverside	122,221	52,919	6,277	4,156	48,077	10,792
114	U. SC all campuses	122,212	65,095	1,727	1,854	49,213	4,323
115	Woods Hole Oceanographic Institution	117,517	100,747	399	146	10,109	6,116
116	U. VT	115,693	79,879	5,158	7,259	17,721	5,676
117	WV U.	115,398	62,489	3,160	3,341	44,639	1,769
118	U. DE	110,339	74,721	5,057	3,932	22,674	3,955
119	MT State U. Bozeman	109,465	71,604	17,632	3,016	17,213	0
120	U. NH	108,378	78,653	1,956	5,603	18,580	3,586
121	George Washington U.	107,715	78,779	710	4,794	7,769	15,663
122	Thomas Jefferson U.	107,388	86,171	7,572	9,018	1,719	2,908
123	U. CA, Santa Cruz	105,617	62,301	1,529	2,716	27,248	11,823
124	ND State U. all campuses	103,011	46,060	28,152	1,236	24,764	2,799
125	U. Central FL	102,702	40,013	11,791	18,746	32,152	0
126	OK State U. all campuses	99,436	36,637	24,361	5,300	32,833	305
127	U. AR main campus	98,138	33,496	36,782	7,071	16,012	4,777
128	U. CA Office of the President	97,245	519	44,359	102	51,788	477
129	U. NV, Reno	95,579	60,329	2,284	1,367	30,263	1,336
130	U. MS all campuses	91,913	67,603	3,722	1,053	13,831	5,704
131	U. AR for Medical Sciences	91,516	59,053	6,319	3,072	14,286	8,786
132	U. ID	91,009	47,212	23,228	1,731	8,400	10,438
133	Drexel U.	88,049	62,606	3,903	2,058	15,721	3,761
134	Rush U.	83,693	49,150	2	11,814	20,313	2,414
135	U. WY	83,449	29,351	2,203	1,560	47,053	3,282
136	Temple U.	83,062	53,987	4,954	5,331	11,160	7,630
137	U. Houston	80,731	37,262	8,241	3,290	26,056	5,882
138	Uniformed Services U. of the Health Sciences	78,694	50,016	0	0	24,947	3,731
139	NJ Institute of Technology	76,920	35,716	4,581	786	29,352	6,485
140	FL International U.	76,678	51,328	8,252	2,060	8,898	6,140
141	U. ME	75,066	28,951	6,806	3,843	31,482	3,984
142	San Diego State U.	73,887	35,328	7,670	655	23,168	7,066
143	TX A&M U. System Health Science Ctr.	73,162	32,949	1,559	3,938	17,071	17,645
144	U. of Notre Dame	71,266	51,072	2,443	7,196	10,555	0
145	U. Dayton	67,445	58,782	2,066	4,431	1,784	382
146	Medical C. GA	67,278	41,910	1,783	3,611	16,385	3,589
147	Rensselaer Polytechnic Institute	65,571	42,338	7,640	4,253	9,951	1,389
148	Northeastern U.	63,514	36,524	1,389	8,424	17,177	0
149	Rice U.	63,102	54,735	1,157	1,581	7	5,622
150	Syracuse U. all campuses	62,020	46,945	6,264	1,399	4,272	3,140

TABLE 31. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
151	U. RI	60,252	42,132	8,660	3,526	5,934	0
152	U. MD Baltimore County	58,467	43,377	5,457	1,220	4,746	3,667
153	Southern IL U. Carbondale	57,434	16,975	6,275	5,657	25,554	2,973
154	TX Tech U.	56,623	22,071	14,645	4,979	12,120	2,808
155	U. MD Biotechnology Institute	56,135	31,276	454	660	21,766	1,979
156	U. MT, The	54,685	36,433	1,963	771	14,045	1,473
157	U. AL Huntsville, The	54,601	42,358	319	2,240	9,684	0
158	Brandeis U.	54,136	39,788	71	0	4,398	9,879
159	U. OR	52,657	43,564	386	572	4,869	3,266
160	Naval Postgraduate School	51,343	43,079	903	588	6,422	351
161	GA State U.	50,262	25,204	4,564	666	17,087	2,741
162	C. of William and Mary all campuses	50,146	26,898	3,263	481	16,668	2,836
163	U. Memphis, The	49,961	15,125	3,416	2,959	25,843	2,618
164	U. NV, Las Vegas	48,343	35,942	1,254	1,555	9,592	0
165	St. Louis U. all campuses	47,356	44,757	273	482	28	1,816
166	Old Dominion U.	47,006	24,463	6,076	3,564	12,903	0
167	U. ND all campuses	46,798	32,092	3,006	5,665	5,431	604
168	U. LA Lafayette	44,620	16,159	6,952	0	11,187	10,322
169	Charles R. Drew U. of Medicine and Science	43,231	41,207	507	181	1,336	0
170	OH U. all campuses	43,229	20,736	1,867	4,345	14,862	1,419
171	U. TX Dallas	43,111	19,933	16,690	1,676	1,722	3,090
172	Hampton U.	42,969	42,792	0	0	177	0
173	George Mason U.	42,630	36,475	1,353	1,134	267	3,401
174	Howard U.	41,609	40,020	1,269	320	0	0
175	U. MD Ctr. for Environmental Science	41,022	13,853	5,553	232	17,213	4,171
176	Loyola U. Chicago	40,551	30,584	1,172	1,096	4,029	3,670
177	NM Institute of Mining and Technology	40,512 i	14,635 i	4,290 i	11,303 i	8,876 i	1,408 i
178	Wright State U. all campuses	40,328	20,527	2,410	3,871	12,866	654
179	MI Technological U.	40,188	19,760	361	4,248	15,222	597
180	U. MO-Rolla	38,337	21,772	171	3,704	10,775	1,915
181	U. Southern MS	37,881	34,941	500	1,645	475	320
182	Lehigh U.	36,709	21,061	9,800	1,764	3,726	358
183	Jackson State U.	35,876	30,472	0	264	5,140	0
184	U. PR Medical Sciences Campus	35,809	29,863	1,679	1,194	3,056	17
185	SUNY Upstate Medical U.	34,931	23,275	1,119	1,615	3,019	5,903
186	Desert Research Institute	34,570	28,655	725	1,169	1,115	2,906
187	U. AL, The	34,531	24,393	2,604	1,870	5,610	54
188	Eastern VA Medical School	33,721	19,969	184	4,757	404	8,407
189	CUNY Hunter C.	33,024	18,544	3,613	92	7,384	3,391
190	San Jose State U.	32,886	21,160	6,805	848	963	3,110
191	U. WI Milwaukee	32,748	15,893	4,584	516	9,314	2,441
192	Wichita State U.	32,726	9,589	9,682	3,106	10,196	153
193	NY Medical C.	32,460	25,242	105	6,626	177	310
194	U. Toledo	32,351	15,521	804	1,050	13,478	1,498
195	SD State U.	32,042	13,914	10,615	652	2,251	4,610

TABLE 31. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
196	Boston C.	31,588	17,801	464	1,713	4,756	6,854
197	U. MO-Kansas City	30,780	16,960	0	528	11,737	1,555
198	Morehouse School of Medicine	30,652	24,213	1,370	4,247	822	0
199	Loma Linda U.	29,898	26,855	13	546	726	1,758
200	SUNY Health Science Ctr. Brooklyn	29,732	23,466	5	1,432	2,562	2,267
	All other sampled institutions	2,147,499	1,362,927	185,260	146,324	325,595	127,393

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 32. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
	All institutions	30,812,481	17,876,292	2,641,415	1,533,216	6,816,541	1,945,017
1	U. MI all campuses	808,887	554,516	11,887	34,191	165,901	42,392
2	U. WI Madison	798,099	477,582	39,013	17,912	200,740	62,852
3	U. CA, Los Angeles	785,625	469,889	16,064	25,333	155,966	118,373
4	U. CA, San Francisco	754,444	438,988	24,935	34,175	127,647	128,699
5	U. CA, San Diego	721,035	463,946	18,051	34,259	121,741	83,038
6	U. WA	707,519	606,317	9,860	45,281	29,665	16,396
7	PA State U. all campuses	625,764	358,569	59,669	87,928	118,063	1,535
8	OH State U. all campuses	608,923	294,053	116,747	81,423	96,279	20,421
9	U. CA, Berkeley	554,551	290,960	36,665	24,095	129,320	73,511
10	U. MN all campuses	548,873	319,771	50,384	26,433	74,628	77,657
11	U. CA, Davis	546,978	240,003	44,090	25,046	182,789	55,050
12	U. FL	530,734	231,699	87,713	24,420	161,136	25,766
13	U. AZ	530,233	292,811	4,424	32,914	173,054	27,030
14	U. CO all campuses	517,067	449,366	3,954	11,966	31,540	20,241
15	U. Pittsburgh all campuses	510,943	420,281	17,322	4,514	43,431	25,395
16	U. IL Urbana-Champaign	499,711	289,985	36,391	11,348	148,624	13,363
17	TX A&M U. all campuses	479,735	212,923	109,205	18,927	122,069	16,611
18	U. NC Chapel Hill	441,033	320,294	20,846	6,678	93,215	0
19	GA Institute of Technology all campuses	425,386	245,130	11,142	33,117	126,597	9,400
20	U. TX Austin	410,981	254,529	21,224	35,045	76,620	23,563
21	U. TX M. D. Anderson Cancer Ctr.	383,780	160,953	99,677	26,766	53,322	43,062
22	Purdue U. all campuses	364,986	150,351	52,756	46,571	114,570	738
23	LA State U. all campuses	356,828	128,324	96,044	14,596	88,906	28,958
24	U. MD College Park	338,648	196,008	15,758	9,841	106,991	10,050
25	U. IA	334,144	216,354	9,378	16,957	79,410	12,045
26	MI State U.	333,735	156,461	44,588	9,393	108,341	14,952
27	U. NE all campuses	333,126	129,216	10,202	12,636	163,072	18,000
28	U. TX Southwestern Medical Ctr. Dallas	320,800	202,057	24,387	14,293	11,582	68,481
29	U. AL Birmingham, The	318,536	288,434	11	8,779	11,063	10,249
30	U. IL Chicago	318,279	198,163	9,492	7,033	82,751	20,840
31	U. GA	316,806	102,966	50,599	14,279	147,398	1,564
32	Rutgers, The State U. NJ all campuses	309,531	137,609	35,411	8,034	100,217	28,260
33	IN U. all campuses	307,137	171,528	4,911	7,804	78,290	44,604
34	U. KY all campuses	306,653	142,794	42,058	8,194	91,287	22,320
35	U. MD Baltimore	304,396	129,270	29,766	57,806	45,984	41,570
36	NC State U.	302,596	109,128	92,125	38,710	59,782	2,851
37	VA Polytechnic Institute and State U.	289,994	109,842	80,083	14,439	69,125	16,505
38	U. Cincinnati all campuses	286,036	202,654	13,041	8,220	51,345	10,776
39	U. CA, Irvine	276,763	161,524	10,164	14,944	54,243	35,888
40	SUNY Buffalo all campuses	267,271	151,890	10,869	11,045	67,058	26,409
41	OR Health & Science U.	266,687	217,145	4,042	11,108	21,230	13,162
42	SUNY Albany	259,708	103,941	84,996	10,693	43,590	16,488
43	U. South FL	259,218	142,580	22,802	28,863	64,973	0
44	U. TN all campuses	255,699	121,004	54,424	15,603	45,818	18,850
45	U. UT	244,691	168,652	2,632	7,799	42,445	23,163
46	U. of Medicine and Dentistry NJ	239,778	143,239	11,181	19,472	41,756	24,130
47	U. VA all campuses	239,061	200,726	1,414	8,521	21,029	7,371
48	CO State U.	236,211	154,245	15,608	10,228	30,078	26,052
49	U. HI Manoa	230,651	190,137	7,077	12,155	21,282	0
50	Wayne State U.	226,331	120,581	15,860	12,979	64,032	12,879



TABLE 32. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
51	U. MO-Columbia	220,718	96,038	26,396	3,918	89,543	4,823
52	U. CT all campuses	219,982	134,347	6,509	11,066	52,759	15,301
53	SUNY Stony Brook all campuses	212,289	125,781	4,799	4,640	67,621	9,448
54	IA State U.	209,545	98,005	39,418	11,196	57,235	3,691
55	U. KS all campuses	190,105	110,768	4,615	3,027	63,698	7,997
56	WA State U.	182,677	80,222	31,076	3,325	50,196	17,858
57	OR State U.	180,309	109,030	35,264	2,175	31,093	2,747
58	MS State U.	179,825	84,465	31,742	7,595	56,023	0
59	U. NM all campuses	178,703	129,557	1,463	4,825	41,447	1,411
60	Medical U. SC	176,709	108,196	1,695	8,547	54,160	4,111
61	U. MA Worcester	176,349	130,680	27,221	8,018	1,583	8,847
62	Clemson U.	175,127	56,829	28,859	11,731	75,343	2,365
63	U. TX Medical Branch	174,254	117,235	11,685	8,065	24,710	12,559
64	U. OK all campuses	173,663	87,776	11,587	7,921	53,154	13,225
65	FL State U.	172,858	105,747	9,969	1,571	49,507	6,064
66	AZ State U. main campus	166,923	94,545	17,012	8,473	44,382	2,511
67	U. CA, Santa Barbara	165,014	103,955	2,599	12,483	26,297	19,680
68	U. TX Health Science Ctr. Houston	152,631	112,509	6,993	8,214	10,293	14,622
69	VA Commonwealth U.	146,105	97,322	3,625	9,085	29,548	6,525
70	U. TX Health Science Ctr. San Antonio	142,375	95,125	4,805	4,391	25,847	12,207
71	U. AK Fairbanks all campuses	139,488	89,637	1,168	11,356	37,327	0
72	Auburn U. all campuses	132,203	51,319	3,094	4,969	67,934	4,887
73	UT State U.	131,624	92,660	16,206	2,244	15,193	5,321
74	U. Louisville	128,347	67,104	8,451	2,449	34,007	16,336
75	U. MA Amherst	127,487	66,921	3,873	4,724	42,887	9,082
76	NM State U. all campuses	125,427	91,247	9,627	1,253	20,666	2,634
77	KS State U.	123,398	58,821	35,130	2,851	22,193	4,403
78	U. CA, Riverside	122,221	52,919	6,277	4,156	48,077	10,792
79	U. SC all campuses	122,212	65,095	1,727	1,854	49,213	4,323
80	U. VT	115,693	79,879	5,158	7,259	17,721	5,676
81	WV U.	115,398	62,489	3,160	3,341	44,639	1,769
82	U. DE	110,339	74,721	5,057	3,932	22,674	3,955
83	MT State U. Bozeman	109,465	71,604	17,632	3,016	17,213	0
84	U. NH	108,378	78,653	1,956	5,603	18,580	3,586
85	U. CA, Santa Cruz	105,617	62,301	1,529	2,716	27,248	11,823
86	ND State U. all campuses	103,011	46,060	28,152	1,236	24,764	2,799
87	U. Central FL	102,702	40,013	11,791	18,746	32,152	0
88	OK State U. all campuses	99,436	36,637	24,361	5,300	32,833	305
89	U. AR main campus	98,138	33,496	36,782	7,071	16,012	4,777
90	U. CA Office of the President	97,245	519	44,359	102	51,788	477
91	U. NV, Reno	95,579	60,329	2,284	1,367	30,263	1,336
92	U. MS all campuses	91,913	67,603	3,722	1,053	13,831	5,704
93	U. AR for Medical Sciences	91,516	59,053	6,319	3,072	14,286	8,786
94	U. ID	91,009	47,212	23,228	1,731	8,400	10,438
95	U. WY	83,449	29,351	2,203	1,560	47,053	3,282
96	Temple U.	83,062	53,987	4,954	5,331	11,160	7,630
97	U. Houston	80,731	37,262	8,241	3,290	26,056	5,882
98	Uniformed Services U. of the Health Sciences	78,694	50,016	0	0	24,947	3,731
99	NJ Institute of Technology	76,920	35,716	4,581	786	29,352	6,485
100	FL International U.	76,678	51,328	8,252	2,060	8,898	6,140

TABLE 32. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
101	U. ME	75,066	28,951	6,806	3,843	31,482	3,984
102	San Diego State U.	73,887	35,328	7,670	655	23,168	7,066
103	TX A&M U. System Health Science Ctr.	73,162	32,949	1,559	3,938	17,071	17,645
104	Medical C. GA	67,278	41,910	1,783	3,611	16,385	3,589
105	U. RI	60,252	42,132	8,660	3,526	5,934	0
106	U. MD Baltimore County	58,467	43,377	5,457	1,220	4,746	3,667
107	Southern IL U. Carbondale	57,434	16,975	6,275	5,657	25,554	2,973
108	TX Tech U.	56,623	22,071	14,645	4,979	12,120	2,808
109	U. MD Biotechnology Institute	56,135	31,276	454	660	21,766	1,979
110	U. MT, The	54,685	36,433	1,963	771	14,045	1,473
111	U. AL Huntsville, The	54,601	42,358	319	2,240	9,684	0
112	U. OR	52,657	43,564	386	572	4,869	3,266
113	Naval Postgraduate School	51,343	43,079	903	588	6,422	351
114	GA State U.	50,262	25,204	4,564	666	17,087	2,741
115	C. of William and Mary all campuses	50,146	26,898	3,263	481	16,668	2,836
116	U. Memphis, The	49,961	15,125	3,416	2,959	25,843	2,618
117	U. NV, Las Vegas	48,343	35,942	1,254	1,555	9,592	0
118	Old Dominion U.	47,006	24,463	6,076	3,564	12,903	0
119	U. ND all campuses	46,798	32,092	3,006	5,665	5,431	604
120	U. LA Lafayette	44,620	16,159	6,952	0	11,187	10,322
121	OH U. all campuses	43,229	20,736	1,867	4,345	14,862	1,419
122	U. TX Dallas	43,111	19,933	16,690	1,676	1,722	3,090
123	George Mason U.	42,630	36,475	1,353	1,134	267	3,401
124	U. MD Ctr. for Environmental Science	41,022	13,853	5,553	232	17,213	4,171
125	NM Institute of Mining and Technology	40,512 i	14,635 i	4,290 i	11,303 i	8,876 i	1,408 i
126	Wright State U. all campuses	40,328	20,527	2,410	3,871	12,866	654
127	MI Technological U.	40,188	19,760	361	4,248	15,222	597
128	U. MO-Rolla	38,337	21,772	171	3,704	10,775	1,915
129	U. Southern MS	37,881	34,941	500	1,645	475	320
130	Jackson State U.	35,876	30,472	0	264	5,140	0
131	U. PR Medical Sciences Campus	35,809	29,863	1,679	1,194	3,056	17
132	SUNY Upstate Medical U.	34,931	23,275	1,119	1,615	3,019	5,903
133	Desert Research Institute	34,570	28,655	725	1,169	1,115	2,906
134	U. AL, The	34,531	24,393	2,604	1,870	5,610	54
135	CUNY Hunter C.	33,024	18,544	3,613	92	7,384	3,391
136	San Jose State U.	32,886	21,160	6,805	848	963	3,110
137	U. WI Milwaukee	32,748	15,893	4,584	516	9,314	2,441
138	Wichita State U.	32,726	9,589	9,682	3,106	10,196	153
139	U. Toledo	32,351	15,521	804	1,050	13,478	1,498
140	SD State U.	32,042	13,914	10,615	652	2,251	4,610
141	U. MO-Kansas City	30,780	16,960	0	528	11,737	1,555
142	SUNY Health Science Ctr. Brooklyn	29,732	23,466	5	1,432	2,562	2,267
143	U.S. Air Force Academy	29,438	15,165	0	230	14,043	0
144	U. TX Arlington	28,971	17,654	3,064	2,179	6,074	0
145	Portland State U.	28,940	18,580	1,630	756	5,838	2,136

TABLE 32. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
146	CUNY The City C.	27,471	22,289	1,988	2,852	342	0
147	FL Atlantic U.	27,388	15,956	4,957	1,669	2,668	2,138
148	U. Akron all campuses	26,888	10,246	551	3,408	9,126	3,557
149	U. TX El Paso	26,825	15,378	7,169	1,741	2,537	0
150	CO School of Mines	26,499	15,501	949	10,049	0	0
	All other sampled institutions	1,263,949	803,428	132,718	59,228	204,052	64,523

i = data point imputed.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 33. R&D expenditures at private universities and colleges, ranked by all R&D expenditures for the first 100 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
	All institutions	14,937,932	11,290,836	298,547	759,185	1,441,751	1,147,613
1	Johns Hopkins U., The <sup>a</sup>	1,443,792	1,277,292	4,627	23,446	66,148	72,279
2	Stanford U.	714,897	574,675	4,570	34,072	44,365	57,215
3	U. PA	654,982	465,284	6,320	34,483	60,634	88,261
4	Duke U.	630,752	376,568	19,716	134,608	60,386	39,474
5	Cornell U. all campuses	606,804	365,694	62,054	22,894	108,049	48,113
6	MA Institute of Technology	580,742	457,235	121	72,121	11,100	40,165
7	Columbia U. in the City of NY	535,424	453,188	5,893	8,446	33,263	34,634
8	Washington U. St. Louis	531,846	400,699	13,266	14,068	69,972	33,841
9	Baylor C. of Medicine	458,694	300,638	3,086	17,567	57,308	80,095
10	Harvard U.	447,196	395,906	2,144	9,132	0	40,014
11	U. Southern CA	445,036	330,126	5,314	23,177	86,419	0
12	Yale U.	431,618	332,702	122	17,100	27,884	53,810
13	Northwestern U.	387,242	244,113	1,234	8,649	95,689	37,557
14	Vanderbilt U.	350,433	281,694	40	6,027	50,936	11,736
15	U. Rochester	345,337	257,497	12,395	31,094	26,444	17,907
16	Scripps Research Institute, The	338,634	272,969	0	16,479	28,879	20,307
17	Emory U.	333,665	266,868	6,612	5,831	32,223	22,131
18	Case Western Reserve U.	323,618	212,485	22,926	18,646	1,179	68,382
19	U. Chicago	293,970	245,679	5,164	3,819	17,233	22,075
20	NY U.	276,198	191,782	3,129	2,692	33,365	45,230
21	CA Institute of Technology	265,364	249,371	1,720	5,982	2,447	5,844
22	Boston U.	246,520	228,842	320	8,592	0	8,766
23	Mt. Sinai School of Medicine	225,293	191,326	3,255	9,195	8,548	12,969
24	U. Miami	209,572	156,059	2,887	19,402	9,815	21,409
25	Princeton U.	202,380	120,042	1,883	6,539	62,466	11,450
26	Carnegie Mellon U.	200,297	173,902	5,086	12,819	4,208	4,282
27	Rockefeller U.	198,719	85,552	502	3,140	73,166	36,359
28	Yeshiva U.	195,644	160,894	0	2,190	32,560	0
29	Wake Forest U.	185,152	141,685	10,445	14,940	4,918	13,164
30	Dartmouth C.	179,094	122,329	4,050	3,950	33,446	15,319
31	Medical C. WI	143,540	102,859	412	1,408	27,131	11,730
32	Tulane U.	138,959	94,628	6,651	7,019	16,727	13,934
33	Brown U.	138,262	90,857	118	2,717	41,047	3,523
34	Tufts U.	131,028	98,200	903	8,149	8,641	15,135
35	Georgetown U.	123,938	100,328	575	7,734	4,284	11,017
36	Woods Hole Oceanographic Institution	117,517	100,747	399	146	10,109	6,116
37	George Washington U.	107,715	78,779	710	4,794	7,769	15,663
38	Thomas Jefferson U.	107,388	86,171	7,572	9,018	1,719	2,908
39	Drexel U.	88,049	62,606	3,903	2,058	15,721	3,761
40	Rush U.	83,693	49,150	2	11,814	20,313	2,414
41	U. of Notre Dame	71,266	51,072	2,443	7,196	10,555	0
42	U. Dayton	67,445	58,782	2,066	4,431	1,784	382
43	Rensselaer Polytechnic Institute	65,571	42,338	7,640	4,253	9,951	1,389
44	Northeastern U.	63,514	36,524	1,389	8,424	17,177	0
45	Rice U.	63,102	54,735	1,157	1,581	7	5,622
46	Syracuse U. all campuses	62,020	46,945	6,264	1,399	4,272	3,140
47	Brandeis U.	54,136	39,788	71	0	4,398	9,879
48	St. Louis U. all campuses	47,356	44,757	273	482	28	1,816
49	Charles R. Drew U. of Medicine and Science	43,231	41,207	507	181	1,336	0
50	Hampton U.	42,969	42,792	0	0	177	0

TABLE 33. R&D expenditures at private universities and colleges, ranked by all R&D expenditures for the first 100 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
51	Howard U.	41,609	40,020	1,269	320	0	0
52	Loyola U. Chicago	40,551	30,584	1,172	1,096	4,029	3,670
53	Lehigh U.	36,709	21,061	9,800	1,764	3,726	358
54	Eastern VA Medical School	33,721	19,969	184	4,757	404	8,407
55	NY Medical C.	32,460	25,242	105	6,626	177	310
56	Boston C.	31,588	17,801	464	1,713	4,756	6,854
57	Morehouse School of Medicine	30,652	24,213	1,370	4,247	822	0
58	Loma Linda U.	29,898	26,855	13	546	726	1,758
59	Meharry Medical C.	29,105	27,408	0	0	0	1,697
60	Creighton U.	27,022	12,683	2,448	8,788	2,942	161
61	IL Institute of Technology	25,498	16,493	4,868	0	993	3,144
62	Brigham Young U. all campuses	23,961	16,878	1,365	2,312	2,253	1,153
63	Stevens Institute of Technology	22,997	18,626	1,358	2,563	450	0
64	Catholic U. America, The	21,489	16,252	25	513	4,330	369
65	Rochester Institute of Technology	21,068	11,620	463	1,874	5,832	1,279
66	Mercer U. all campuses	20,042	11,235	217	6,916	1,674	0
67	Albany Medical C.	15,465	11,525	309	178	2,386	1,067
68	Polytechnic U.	15,295	8,623	2,021	2,680	1,014	957
69	Worcester Polytechnic Institute	14,679	9,424	195	1,782	2,770	508
70	Clarkson U.	13,826	6,890	1,155	2,251	3,530	0
71	Embry-Riddle Aeronautical U.	13,325	6,642	662	5,382	600	39
72	Clark Atlanta U.	12,790	11,346	772	0	352	320
73	U. Tulsa	12,740	8,969	493	2,275	1,003	0
74	Rosalind Franklin U. of Medicine and Science	11,920	9,974	0	258	1,149	539
75	Southern Methodist U.	11,839	8,415	483	272	2,010	659
76	U. Denver	11,716	9,017	96	1,089	1,139	375
77	Tuskegee U.	10,966	8,478	0	0	0	2,488
78	Teachers C. Columbia U.	10,669	6,187	0	0	0	4,482
79	Marquette U.	10,338	6,979	386	843	1,256	874
80	Universidad Central del Caribe	9,181	8,543	171	0	466	1
81	Alfred U. all campuses	8,239	2,454	2,274	2,070	1,441	0
82	Duquesne U.	8,096	3,717	115	38	3,970	256
83	Wesleyan U.	8,036	5,180	162	20	2,136	538
84	Ponce School of Medicine	7,840	6,715	0	1,125	0	0
85	FL Institute of Technology	7,539	5,170	592	986	217	574
86	Villanova U.	6,902 i	4,921 i	316 i	938 i	0 i	727 i
87	Baylor U.	6,364	1,473	905	2,575	1,411	0
88	Fisk U.	6,000	6,000	0	0	0	0
89	Xavier U. LA	5,972 i	5,508 i	337 i	0 i	0 i	127 i
90	New School, The	5,889	2,960	0	0	0	2,929
91	Nova Southeastern U.	5,789	1,719	1,194	0	457	2,419
92	St. Francis U. (Loretto, PA)	4,981	4,981	0	0	0	0
93	Rose-Hulman Institute of Technology	4,914	741	34	98	0	4,041
94	Clark U.	4,480	2,611	56	0	1,289	524
95	Bryn Mawr C.	4,400	966	0	0	3,434	0

TABLE 33. R&D expenditures at private universities and colleges, ranked by all R&D expenditures for the first 100 institutions, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
96	DePaul U.	4,321	3,776	101	172	272	0
97	Wheeling Jesuit U.	4,265 i	4,265 i	0 i	0 i	0 i	0 i
98	Wellesley C.	4,252	2,429	208	34	0	1,581
99	TX Christian U.	4,216	3,068	302	764	82	0
100	U. of the Pacific	3,750	1,292	755	1,703	0	0
	All other sampled institutions	178,954	106,577	7,396	13,713	30,057	21,211

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 34. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
	All institutions	31,200,993	20,945,385	1,359,418	1,505,058	5,071,088	2,320,044
1	Johns Hopkins U., The <sup>a</sup>	1,443,792	1,277,292	4,627	23,446	66,148	72,279
2	U. MI all campuses	808,887	554,516	11,887	34,191	165,901	42,392
3	U. WI Madison	798,099	477,582	39,013	17,912	200,740	62,852
4	U. CA, Los Angeles	785,625	469,889	16,064	25,333	155,966	118,373
5	U. CA, San Francisco	754,444	438,988	24,935	34,175	127,647	128,699
6	U. CA, San Diego	721,035	463,946	18,051	34,259	121,741	83,038
7	Stanford U.	714,897	574,675	4,570	34,072	44,365	57,215
8	U. WA	707,519	606,317	9,860	45,281	29,665	16,396
9	U. PA	654,982	465,284	6,320	34,483	60,634	88,261
10	Duke U.	630,752	376,568	19,716	134,608	60,386	39,474
11	PA State U. all campuses	625,764	358,569	59,669	87,928	118,063	1,535
12	OH State U. all campuses	608,923	294,053	116,747	81,423	96,279	20,421
13	Cornell U. all campuses	606,804	365,694	62,054	22,894	108,049	48,113
14	U. MN all campuses	548,873	319,771	50,384	26,433	74,628	77,657
15	U. CA, Davis	546,978	240,003	44,090	25,046	182,789	55,050
16	Columbia U. in the City of NY	535,424	453,188	5,893	8,446	33,263	34,634
17	Washington U. St. Louis	531,846	400,699	13,266	14,068	69,972	33,841
18	U. FL	530,734	231,699	87,713	24,420	161,136	25,766
19	U. AZ	530,233	292,811	4,424	32,914	173,054	27,030
20	U. CO all campuses	517,067	449,366	3,954	11,966	31,540	20,241
21	U. Pittsburgh all campuses	510,943	420,281	17,322	4,514	43,431	25,395
22	Baylor C. of Medicine	458,694	300,638	3,086	17,567	57,308	80,095
23	Harvard U.	447,196	395,906	2,144	9,132	0	40,014
24	U. Southern CA	445,036	330,126	5,314	23,177	86,419	0
25	U. NC Chapel Hill	441,033	320,294	20,846	6,678	93,215	0
26	Yale U.	431,618	332,702	122	17,100	27,884	53,810
27	Northwestern U.	387,242	244,113	1,234	8,649	95,689	37,557
28	LA State U. all campuses	356,828	128,324	96,044	14,596	88,906	28,958
29	Vanderbilt U.	350,433	281,694	40	6,027	50,936	11,736
30	U. Rochester	345,337	257,497	12,395	31,094	26,444	17,907
31	U. IA	334,144	216,354	9,378	16,957	79,410	12,045
32	MI State U.	333,735	156,461	44,588	9,393	108,341	14,952
33	Emory U.	333,665	266,868	6,612	5,831	32,223	22,131
34	U. NE all campuses	333,126	129,216	10,202	12,636	163,072	18,000
35	Case Western Reserve U.	323,618	212,485	22,926	18,646	1,179	68,382
36	U. TX Southwestern Medical Ctr. Dallas	320,800	202,057	24,387	14,293	11,582	68,481
37	U. AL Birmingham, The	318,536	288,434	11	8,779	11,063	10,249
38	U. IL Chicago	318,279	198,163	9,492	7,033	82,751	20,840
39	IN U. all campuses	307,137	171,528	4,911	7,804	78,290	44,604
40	U. KY all campuses	306,653	142,794	42,058	8,194	91,287	22,320
41	U. MD Baltimore	304,396	129,270	29,766	57,806	45,984	41,570
42	U. Chicago	293,970	245,679	5,164	3,819	17,233	22,075
43	U. Cincinnati all campuses	286,036	202,654	13,041	8,220	51,345	10,776
44	U. CA, Irvine	276,763	161,524	10,164	14,944	54,243	35,888
45	NY U.	276,198	191,782	3,129	2,692	33,365	45,230
46	SUNY Buffalo all campuses	267,271	151,890	10,869	11,045	67,058	26,409
47	OR Health & Science U.	266,687	217,145	4,042	11,108	21,230	13,162
48	U. South FL	259,218	142,580	22,802	28,863	64,973	0
49	U. TN all campuses	255,699	121,004	54,424	15,603	45,818	18,850
50	Boston U.	246,520	228,842	320	8,592	0	8,766

TABLE 34. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
51	U. UT	244,691	168,652	2,632	7,799	42,445	23,163
52	U. of Medicine and Dentistry NJ	239,778	143,239	11,181	19,472	41,756	24,130
53	U. VA all campuses	239,061	200,726	1,414	8,521	21,029	7,371
54	U. HI Manoa	230,651	190,137	7,077	12,155	21,282	0
55	Wayne State U.	226,331	120,581	15,860	12,979	64,032	12,879
56	Mt. Sinai School of Medicine	225,293	191,326	3,255	9,195	8,548	12,969
57	U. MO-Columbia	220,718	96,038	26,396	3,918	89,543	4,823
58	U. CT all campuses	219,982	134,347	6,509	11,066	52,759	15,301
59	SUNY Stony Brook all campuses	212,289	125,781	4,799	4,640	67,621	9,448
60	U. Miami	209,572	156,059	2,887	19,402	9,815	21,409
61	Yeshiva U.	195,644	160,894	0	2,190	32,560	0
62	U. KS all campuses	190,105	110,768	4,615	3,027	63,698	7,997
63	Wake Forest U.	185,152	141,685	10,445	14,940	4,918	13,164
64	Dartmouth C.	179,094	122,329	4,050	3,950	33,446	15,319
65	U. NM all campuses	178,703	129,557	1,463	4,825	41,447	1,411
66	Medical U. SC	176,709	108,196	1,695	8,547	54,160	4,111
67	U. MA Worcester	176,349	130,680	27,221	8,018	1,583	8,847
68	U. TX Medical Branch	174,254	117,235	11,685	8,065	24,710	12,559
69	U. OK all campuses	173,663	87,776	11,587	7,921	53,154	13,225
70	FL State U.	172,858	105,747	9,969	1,571	49,507	6,064
71	U. TX Health Science Ctr. Houston	152,631	112,509	6,993	8,214	10,293	14,622
72	VA Commonwealth U.	146,105	97,322	3,625	9,085	29,548	6,525
73	Medical C. WI	143,540	102,859	412	1,408	27,131	11,730
74	U. TX Health Science Ctr. San Antonio	142,375	95,125	4,805	4,391	25,847	12,207
75	Tulane U.	138,959	94,628	6,651	7,019	16,727	13,934
76	Brown U.	138,262	90,857	118	2,717	41,047	3,523
77	Tufts U.	131,028	98,200	903	8,149	8,641	15,135
78	U. Louisville	128,347	67,104	8,451	2,449	34,007	16,336
79	Georgetown U.	123,938	100,328	575	7,734	4,284	11,017
80	U. SC all campuses	122,212	65,095	1,727	1,854	49,213	4,323
81	U. VT	115,693	79,879	5,158	7,259	17,721	5,676
82	WV U.	115,398	62,489	3,160	3,341	44,639	1,769
83	George Washington U.	107,715	78,779	710	4,794	7,769	15,663
84	Thomas Jefferson U.	107,388	86,171	7,572	9,018	1,719	2,908
85	U. NV, Reno	95,579	60,329	2,284	1,367	30,263	1,336
86	U. MS all campuses	91,913	67,603	3,722	1,053	13,831	5,704
87	U. AR for Medical Sciences	91,516	59,053	6,319	3,072	14,286	8,786
88	Drexel U.	88,049	62,606	3,903	2,058	15,721	3,761
89	Rush U.	83,693	49,150	2	11,814	20,313	2,414
90	Temple U.	83,062	53,987	4,954	5,331	11,160	7,630
91	Uniformed Services U. of the Health Sciences	78,694	50,016	0	0	24,947	3,731
92	TX A&M U. System Health Science Ctr.	73,162	32,949	1,559	3,938	17,071	17,645
93	Medical C. GA	67,278	41,910	1,783	3,611	16,385	3,589
94	Southern IL U. Carbondale	57,434	16,975	6,275	5,657	25,554	2,973
95	St. Louis U. all campuses	47,356	44,757	273	482	28	1,816
96	U. ND all campuses	46,798	32,092	3,006	5,665	5,431	604
97	Charles R. Drew U. of Medicine and Science <sup>b</sup>	43,231	41,207	507	181	1,336	0
98	Howard U.	41,609	40,020	1,269	320	0	0
99	Loyola U. Chicago	40,551	30,584	1,172	1,096	4,029	3,670
100	Wright State U. all campuses	40,328	20,527	2,410	3,871	12,866	654



TABLE 34. R&D expenditures at all universities and colleges with a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
101	U. PR Medical Sciences Campus	35,809	29,863	1,679	1,194	3,056	17
102	SUNY Upstate Medical U.	34,931	23,275	1,119	1,615	3,019	5,903
103	Eastern VA Medical School	33,721	19,969	184	4,757	404	8,407
104	NY Medical C.	32,460	25,242	105	6,626	177	310
105	U. MO-Kansas City	30,780	16,960	0	528	11,737	1,555
106	Morehouse School of Medicine	30,652	24,213	1,370	4,247	822	0
107	Loma Linda U.	29,898	26,855	13	546	726	1,758
108	SUNY Health Science Ctr. Brooklyn	29,732	23,466	5	1,432	2,562	2,267
109	Meharry Medical C.	29,105	27,408	0	0	0	1,697
110	Creighton U.	27,022	12,683	2,448	8,788	2,942	161
111	Marshall U.	22,321	18,660	610	464	1,786	801
112	Medical U. OH	21,034	14,756	785	345	4,085	1,063
113	Mercer U. all campuses	20,042	11,235	217	6,916	1,674	0
114	U. South AL	19,431	16,538	920	819	96	1,058
115	TX Tech U. Health Science Ctr.	18,697	6,730	268	1,065	8,799	1,835
116	U. SD	18,681	15,448	1,160	0	758	1,315
117	Albany Medical C.	15,465	11,525	309	178	2,386	1,067
118	East Carolina U.	14,240	10,967	1,159	832	81	1,201
119	Rosalind Franklin U. of Medicine and Science	11,920	9,974	0	258	1,149	539
120	Universidad Central del Caribe	9,181	8,543	171	0	466	1
121	East TN State U.	8,098	5,015	1,561	0	175	1,347
122	Ponce School of Medicine	7,840	6,715	0	1,125	0	0
123	Northeastern OH Universities C. of Medicine	5,703	3,267	227	84	1,723	402

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

<sup>b</sup> Doctor of Medicine (M.D.) degrees are granted 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. M.D. degrees are granted by UCLA.

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 2005.

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
	All institutions	14,549,420	8,221,743	1,580,544	787,343	3,187,204	772,586
1	MA Institute of Technology	580,742	457,235	121	72,121	11,100	40,165
2	U. CA, Berkeley	554,551	290,960	36,665	24,095	129,320	73,511
3	U. IL Urbana-Champaign	499,711	289,985	36,391	11,348	148,624	13,363
4	TX A&M U. all campuses	479,735	212,923	109,205	18,927	122,069	16,611
5	GA Institute of Technology all campuses	425,386	245,130	11,142	33,117	126,597	9,400
6	U. TX Austin	410,981	254,529	21,224	35,045	76,620	23,563
7	U. TX M. D. Anderson Cancer Ctr.	383,780	160,953	99,677	26,766	53,322	43,062
8	Purdue U. all campuses	364,986	150,351	52,756	46,571	114,570	738
9	U. MD College Park	338,648	196,008	15,758	9,841	106,991	10,050
10	Scripps Research Institute, The	338,634	272,969	0	16,479	28,879	20,307
11	U. GA	316,806	102,966	50,599	14,279	147,398	1,564
12	Rutgers, The State U. NJ all campuses	309,531	137,609	35,411	8,034	100,217	28,260
13	NC State U.	302,596	109,128	92,125	38,710	59,782	2,851
14	VA Polytechnic Institute and State U.	289,994	109,842	80,083	14,439	69,125	16,505
15	CA Institute of Technology	265,364	249,371	1,720	5,982	2,447	5,844
16	SUNY Albany	259,708	103,941	84,996	10,693	43,590	16,488
17	CO State U.	236,211	154,245	15,608	10,228	30,078	26,052
18	IA State U.	209,545	98,005	39,418	11,196	57,235	3,691
19	Princeton U.	202,380	120,042	1,883	6,539	62,466	11,450
20	Carnegie Mellon U.	200,297	173,902	5,086	12,819	4,208	4,282
21	Rockefeller U.	198,719	85,552	502	3,140	73,166	36,359
22	WA State U.	182,677	80,222	31,076	3,325	50,196	17,858
23	OR State U.	180,309	109,030	35,264	2,175	31,093	2,747
24	MS State U.	179,825	84,465	31,742	7,595	56,023	0
25	Clemson U.	175,127	56,829	28,859	11,731	75,343	2,365
26	AZ State U. main campus	166,923	94,545	17,012	8,473	44,382	2,511
27	U. CA, Santa Barbara	165,014	103,955	2,599	12,483	26,297	19,680
28	U. AK Fairbanks all campuses	139,488	89,637	1,168	11,356	37,327	0
29	Auburn U. all campuses	132,203	51,319	3,094	4,969	67,934	4,887
30	UT State U.	131,624	92,660	16,206	2,244	15,193	5,321
31	U. MA Amherst	127,487	66,921	3,873	4,724	42,887	9,082
32	NM State U. all campuses	125,427	91,247	9,627	1,253	20,666	2,634
33	KS State U.	123,398	58,821	35,130	2,851	22,193	4,403
34	U. CA, Riverside	122,221	52,919	6,277	4,156	48,077	10,792
35	Woods Hole Oceanographic Institution	117,517	100,747	399	146	10,109	6,116
36	U. DE	110,339	74,721	5,057	3,932	22,674	3,955
37	MT State U. Bozeman	109,465	71,604	17,632	3,016	17,213	0
38	U. NH	108,378	78,653	1,956	5,603	18,580	3,586
39	U. CA, Santa Cruz	105,617	62,301	1,529	2,716	27,248	11,823
40	ND State U. all campuses	103,011	46,060	28,152	1,236	24,764	2,799
41	U. Central FL	102,702	40,013	11,791	18,746	32,152	0
42	OK State U. all campuses	99,436	36,637	24,361	5,300	32,833	305
43	U. AR main campus	98,138	33,496	36,782	7,071	16,012	4,777
44	U. CA Office of the President	97,245	519	44,359	102	51,788	477
45	U. ID	91,009	47,212	23,228	1,731	8,400	10,438
46	U. WY	83,449	29,351	2,203	1,560	47,053	3,282
47	U. Houston	80,731	37,262	8,241	3,290	26,056	5,882
48	NJ Institute of Technology	76,920	35,716	4,581	786	29,352	6,485
49	FL International U.	76,678	51,328	8,252	2,060	8,898	6,140
50	U. ME	75,066	28,951	6,806	3,843	31,482	3,984

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
51	San Diego State U.	73,887	35,328	7,670	655	23,168	7,066
52	U. of Notre Dame	71,266	51,072	2,443	7,196	10,555	0
53	U. Dayton	67,445	58,782	2,066	4,431	1,784	382
54	Rensselaer Polytechnic Institute	65,571	42,338	7,640	4,253	9,951	1,389
55	Northeastern U.	63,514	36,524	1,389	8,424	17,177	0
56	Rice U.	63,102	54,735	1,157	1,581	7	5,622
57	Syracuse U. all campuses	62,020	46,945	6,264	1,399	4,272	3,140
58	U. RI	60,252	42,132	8,660	3,526	5,934	0
59	U. MD Baltimore County	58,467	43,377	5,457	1,220	4,746	3,667
60	TX Tech U.	56,623	22,071	14,645	4,979	12,120	2,808
61	U. MD Biotechnology Institute	56,135	31,276	454	660	21,766	1,979
62	U. MT, The	54,685	36,433	1,963	771	14,045	1,473
63	U. AL Huntsville, The	54,601	42,358	319	2,240	9,684	0
64	Brandeis U.	54,136	39,788	71	0	4,398	9,879
65	U. OR	52,657	43,564	386	572	4,869	3,266
66	Naval Postgraduate School	51,343	43,079	903	588	6,422	351
67	GA State U.	50,262	25,204	4,564	666	17,087	2,741
68	C. of William and Mary all campuses	50,146	26,898	3,263	481	16,668	2,836
69	U. Memphis, The	49,961	15,125	3,416	2,959	25,843	2,618
70	U. NV, Las Vegas	48,343	35,942	1,254	1,555	9,592	0
71	Old Dominion U.	47,006	24,463	6,076	3,564	12,903	0
72	U. LA Lafayette	44,620	16,159	6,952	0	11,187	10,322
73	OH U. all campuses	43,229	20,736	1,867	4,345	14,862	1,419
74	U. TX Dallas	43,111	19,933	16,690	1,676	1,722	3,090
75	Hampton U.	42,969	42,792	0	0	177	0
76	George Mason U.	42,630	36,475	1,353	1,134	267	3,401
77	U. MD Ctr. for Environmental Science	41,022	13,853	5,553	232	17,213	4,171
78	NM Institute of Mining and Technology	40,512 i	14,635 i	4,290 i	11,303 i	8,876 i	1,408 i
79	MI Technological U.	40,188	19,760	361	4,248	15,222	597
80	U. MO-Rolla	38,337	21,772	171	3,704	10,775	1,915
81	U. Southern MS	37,881	34,941	500	1,645	475	320
82	Lehigh U.	36,709	21,061	9,800	1,764	3,726	358
83	Jackson State U.	35,876	30,472	0	264	5,140	0
84	Desert Research Institute	34,570	28,655	725	1,169	1,115	2,906
85	U. AL, The	34,531	24,393	2,604	1,870	5,610	54
86	CUNY Hunter C.	33,024	18,544	3,613	92	7,384	3,391
87	San Jose State U.	32,886	21,160	6,805	848	963	3,110
88	U. WI Milwaukee	32,748	15,893	4,584	516	9,314	2,441
89	Wichita State U.	32,726	9,589	9,682	3,106	10,196	153
90	U. Toledo	32,351	15,521	804	1,050	13,478	1,498
91	SD State U.	32,042	13,914	10,615	652	2,251	4,610
92	Boston C.	31,588	17,801	464	1,713	4,756	6,854
93	U.S. Air Force Academy	29,438	15,165	0	230	14,043	0
94	U. TX Arlington	28,971	17,654	3,064	2,179	6,074	0
95	Portland State U.	28,940	18,580	1,630	756	5,838	2,136
96	CUNY The City C.	27,471	22,289	1,988	2,852	342	0
97	FL Atlantic U.	27,388	15,956	4,957	1,669	2,668	2,138
98	U. Akron all campuses	26,888	10,246	551	3,408	9,126	3,557
99	U. TX El Paso	26,825	15,378	7,169	1,741	2,537	0
100	CO School of Mines	26,499	15,501	949	10,049	0	0

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
101	FL A&M U.	26,400	22,378	3,278	744	0	0
102	SUNY Binghamton	25,769	10,494	1,201	2,658	6,796	4,620
103	IL Institute of Technology	25,498	16,493	4,868	0	993	3,144
104	Brigham Young U. all campuses	23,961	16,878	1,365	2,312	2,253	1,153
105	U. MA Lowell	23,852	17,608	180	4,755	1,309	0
106	San Francisco State U.	23,655	12,457	3,745	55	3,475	3,923
107	Stevens Institute of Technology	22,997	18,626	1,358	2,563	450	0
108	NC Agricultural and Technical State U.	22,936	16,348	375	329	5,884	0
109	Northern AZ U.	22,870	14,547	3,759	973	3,591	0
110	U. TX San Antonio	22,429	15,924	5,214	181	1,110	0
111	U. North TX Health Science Ctr. Ft. Worth	22,325	17,037	231	1,223	1,314	2,520
112	Catholic U. America, The	21,489	16,252	25	513	4,330	369
113	Rochester Institute of Technology	21,068	11,620	463	1,874	5,832	1,279
114	Southern IL U. Edwardsville	20,883	1,043	816	327	18,639	58
115	U. NC Wilmington	20,617	10,665	1,325	38	4,500	4,089
116	U. PR Rio Piedras Campus	20,546	14,301	9	49	6,152	35
117	U. PR Mayaguez Campus	20,492	10,786	3,440	947	3,538	1,781
118	ID State U.	19,700	12,087	1,683	2,115	3,378	437
119	U. MA Dartmouth	19,452	9,852	5,039	1,252	3,305	4
120	U. MA Boston	18,148	6,326	2,481	0	6,731	2,610
121	Miami U. all campuses	18,026	8,014	1,290	632	7,500	590
122	Western MI U.	17,518	11,987	140	2,216	2,426	749
123	U. of the VI	16,735	12,213	2,158	2,364	0	0
124	AL A&M U.	16,075	12,005	1,735	135	1,521	679
125	U. NC Charlotte	16,042	10,362	542	2,960	1,826	352
126	Cleveland State U.	15,884	7,206	3,704	318	3,803	853
127	LA Tech U.	15,832	5,336	1,459	418	8,553	66
128	Polytechnic U.	15,295	8,623	2,021	2,680	1,014	957
129	Worcester Polytechnic Institute	14,679	9,424	195	1,782	2,770	508
130	TN State U.	14,669	10,446	180	84	3,936	23
131	Air Force Institute of Technology	14,666	4,934	30	31	9,671	0
132	Clarkson U.	13,826	6,890	1,155	2,251	3,530	0
133	U. AK Anchorage all campuses	13,594	7,470	1,431	0	2,481	2,212
134	CA State U. Fresno	13,498	4,870	7,290	273	915	150
135	TX A&M U. Kingsville	13,389	4,972	1,405	434	5,627	951
136	SD School of Mines and Technology	13,347	10,752	889	119	1,474	113
137	Embry-Riddle Aeronautical U.	13,325	6,642	662	5,382	600	39
138	Clark Atlanta U.	12,790	11,346	772	0	352	320
139	U. Tulsa	12,740	8,969	493	2,275	1,003	0
140	U. North TX	12,617	7,003	258	614	3,159	1,583
141	U. MO-St. Louis	12,056	4,470	55	220	6,483	828
142	SUNY C. of Environmental Science and Forestry	12,054	7,821	1,092	1,066	787	1,288
143	Southern Methodist U.	11,839	8,415	483	272	2,010	659
144	Prairie View A&M U.	11,810	8,464	1,833	344	1,169	0
145	U. Denver	11,716	9,017	96	1,089	1,139	375
146	Northern IL U.	11,239	7,897	79	1,513	1,750	0
147	CA State Polytechnic U. San Luis Obispo	11,235	5,743	1,973	926	1,270	1,323
148	Kent State U. all campuses	11,045	7,619	775	879	1,772	0
149	Tuskegee U.	10,966	8,478	0	0	0	2,488
150	Teachers C. Columbia U.	10,669	6,187	0	0	0	4,482

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
151	Marquette U.	10,338	6,979	386	843	1,256	874
152	CA State U. Los Angeles	10,130	9,797	75	105	0	153
153	Bowling Green State U. all campuses	9,746	6,418	178	102	2,200	848
154	U. West FL	9,712	8,787	712	207	0	6
155	U. HI Hilo	9,596	8,998	0	0	0	598
156	CA State U. Long Beach	9,594	8,577	146	254	429	188
157	Morgan State U.	9,544	8,126	345	267	645	161
158	TN Technological U.	9,312	3,515	3,757	362	1,578	100
159	Boise State U.	9,162	8,447	423	0	0	292
160	U. GU	9,106 i	8,602 i	249 i	0 i	0 i	255 i
161	CA State U. San Bernardino	8,905	5,775	959	1,232	855	84
162	TX A&M U. Corpus Christi	8,845	4,572	1,787	110	894	1,482
163	CA State U. Northridge	8,767	5,719	1,806	70	1,157	15
164	Tarleton State U.	8,512	6,386	1,136	152	673	165
165	Ball State U.	8,490	5,260	491	429	2,308	2
166	Alfred U. all campuses	8,239	2,454	2,274	2,070	1,441	0
167	Duquesne U.	8,096	3,717	115	38	3,970	256
168	Humboldt State U.	8,078 i	4,033 i	1,153 i	1,180 i	609 i	1,103 i
169	Wesleyan U.	8,036	5,180	162	20	2,136	538
170	U. Baltimore	7,754	2,255	4,510	326	200	463
171	FL Institute of Technology	7,539	5,170	592	986	217	574
172	TX State U. San Marcos	7,261	2,921	1,178	1,086	2,076	0
173	Villanova U.	6,902 i	4,921 i	316 i	938 i	0 i	727 i
174	CUNY Queens C.	6,876	5,443	78	768	587	0
175	Norfolk State U.	6,758	6,055	279	0	0	424
176	U. AR Pine Bluff	6,685	3,933	227	0	2,522	3
177	U.S. Naval Academy	6,623	5,987	0	590	46	0
178	Western KY U.	6,607	4,915	607	455	630	0
179	Oakland U.	6,505	5,599	212	533	0	161
180	Southwest MO State U.	6,367	5,166	746	261	194	0
181	Baylor U.	6,364	1,473	905	2,575	1,411	0
182	CA State U. Bakersfield	6,268	2,040	3,125	1,003	100	0
183	Alcorn State U.	6,256	5,396	860	0	0	0
184	Fisk U.	6,000	6,000	0	0	0	0
185	Xavier U. LA	5,972 i	5,508 i	337 i	0 i	0 i	127 i
186	MT Tech of the U. MT	5,947	4,315	1,524	108	0	0
187	CUNY Graduate Ctr.	5,943	3,297	95	0	26	2,525
188	Eastern MI U.	5,910	4,156	79	152	900	623
189	New School, The	5,889	2,960	0	0	0	2,929
190	Nova Southeastern U.	5,789	1,719	1,194	0	457	2,419
191	U. MD Eastern Shore	5,568	5,432	104	32	0	0
192	U. LA Monroe	5,524	1,051	3,740	37	50	646
193	DE State U.	5,412	5,048	239	116	9	0
194	IL State U.	5,203	3,152	372	657	1,022	0
195	VA State U.	5,048	2,668	2	0	2,378	0
196	James Madison U.	5,009	3,568	457	0	316	668
197	St. Francis U. (Loretto, PA)	4,981	4,981	0	0	0	0
198	Rowan U.	4,944	3,339	1,294	232	79	0
199	Central MI U.	4,938	3,086	288	450	1,114	0
200	Rose-Hulman Institute of Technology	4,914	741	34	98	0	4,041

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
201	U. NC Greensboro	4,843	3,876	71	324	279	293
202	Western WA U.	4,711	2,023	448	118	1,729	393
203	TX Southern U.	4,641	4,426	51	164	0	0
204	Southern U. and A&M C. all campuses	4,545 i	3,783 i	677 i	0 i	70 i	15 i
205	Clark U.	4,480	2,611	56	0	1,289	524
206	U. CA, Merced	4,468	2,816	649	130	312	561
207	C. Charleston	4,433	3,022	75	9	1,234	93
208	U. DC	4,426	2,958	992	0	474	2
209	Bryn Mawr C.	4,400	966	0	0	3,434	0
210	Langston U.	4,371	3,848	523	0	0	0
211	U. AR Little Rock	4,345	2,681	954	477	233	0
212	DePaul U.	4,321	3,776	101	172	272	0
213	Wheeling Jesuit U.	4,265 i	4,265 i	0 i	0 i	0 i	0 i
214	Wellesley C.	4,252	2,429	208	34	0	1,581
215	TX Christian U.	4,216	3,068	302	764	82	0
216	CA State U. Fullerton	4,167	3,570	106	306	185	0
217	Stephen F. Austin State U.	4,144	887	309	582	2,152	214
218	CA State U. Monterey Bay	4,045	3,821	90	0	0	134
219	U. TX-Pan American	4,038	2,999	693	92	4	250
220	AR State U. main campus	4,035	1,080	2,218	67	627	43
221	CUNY Herbert H. Lehman C.	4,019	3,711	20	152	136	0
222	U. Central AR	3,950	2,268	477	188	276	741
223	SC State U.	3,796	2,587	33	0	364	812
224	U. of the Pacific	3,750	1,292	755	1,703	0	0
225	CUNY Brooklyn C.	3,731	2,694	48	223	320	446
226	Morehouse C.	3,559	3,196	0	0	251	112
227	U. PR Humacao U. C.	3,540	3,325	0	0	196	19
228	Murray State U.	3,506	1,310	1,162	75	959	0
229	NY Institute of Technology all campuses	3,505	230	408	66	2,801	0
230	West TX A&M U.	3,463	1,610	1,355	498	0	0
231	Williams C.	3,459	1,737	0	0	862	860
232	U. North FL	3,448	1,680	1,083	624	61	0
233	Seton Hall U.	3,418	1,856	528	589	0	445
234	Fordham U.	3,413	1,383	613	0	214	1,203
235	Lamar U.	3,375	1,259	1,927	181	8	0
236	Carleton C.	3,365	2,896	0	38	407	24
237	Grand Valley State U.	3,354	534	489	0	1,903	428
238	CA State U. East Bay	3,259	2,122	150	555	432	0
239	Midwestern U. (Chicago, IL)	3,204	1,298	0	212	1,545	149
240	St. Joseph's U.	3,195	2,596	104	0	104	391
241	Mt. Holyoke C.	3,179	1,869	56	0	237	1,017
242	CA State U. Dominguez Hills	3,088	2,051	451	0	576	10
243	Barnard C.	3,068	2,342	0	718	8	0
244	C. NJ, The	3,047 i	549 i	824 i	0 i	1,667 i	7 i
245	KY State U.	3,044	3,044	0	0	0	0
246	U. NC Asheville	3,021	1,658	496	174	86	607
247	OR Institute of Technology	3,018	1,517	60	1,441	0	0
248	CA State Polytechnic U. Pomona	2,765	2,765	0	0	0	0
249	Spelman C.	2,759	2,576	0	183	0	0
250	Smith C.	2,749	1,757	0	0	0	992

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
251	Amherst C.	2,725	1,270	0	91	968	396
252	Hampshire C.	2,723	1,110	0	0	0	1,613
253	FL Gulf Coast U.	2,678	1,995	103	0	15	565
254	Claremont Graduate U.	2,677	1,104	112	26	328	1,107
255	Universidad Metropolitana	2,677 i	2,677 i	0 i	0 i	0 i	0 i
256	Southern CT State U.	2,671	1,666	621	51	333	0
257	St. Cloud State U.	2,657	1,017	64	856	720	0
258	Lincoln U. (Jefferson City, MO)	2,656	2,093	563	0	0	0
259	Milwaukee School of Engineering	2,628	648	226	1,185	520	49
260	CA State U. Chico	2,620	1,027	1,375	107	0	111
261	CUNY C. Staten Island	2,577	1,646	127	454	350	0
262	Union C. (Schenectady, NY)	2,571	657	9	932	462	511
263	Albany C. of Pharmacy	2,565	351	1,130	949	135	0
264	WV State U.	2,537	2,128	288	50	71	0
265	Pittsburg State U.	2,522	716	594	927	1	284
266	Ft. Valley State U.	2,497	2,492	1	0	0	4
267	SUNY C. of Optometry	2,481	1,979	0	64	111	327
268	Savannah State U.	2,421	2,421	0	0	0	0
269	Sul Ross State U.	2,375	1,506	446	0	0	423
270	U. WI La Crosse	2,312	1,441	121	225	254	271
271	U. Northern CO	2,269	1,509	39	14	544	163
272	Bowdoin C.	2,254	1,444	0	23	433	354
273	Morehead State U.	2,254	1,693	0	58	493	10
274	Franklin & Marshall C.	2,225	1,277	101	0	471	376
275	Gallaudet U.	2,202	2,138	64	0	0	0
276	Winston-Salem State U.	2,176 i	2,176 i	0 i	0 i	0 i	0 i
277	Middle TN State U.	2,166	1,084	57	42	946	37
278	Pomona C.	2,153	823	0	0	1,230	100
279	Occidental C.	2,109	880	277	944	8	0
280	U. Richmond	2,097	1,615	0	318	139	25
281	Albany State U.	2,091	2,010	81	0	0	0
282	Macalester C.	2,081	739	0	0	1,310	32
283	GA Southern U.	2,078	1,716	292	70	0	0
284	Hope C.	2,060	1,181	0	0	200	679
285	Towson U.	2,041	1,571	365	65	40	0
286	Bowie State U.	2,033	2,033	0	0	0	0
287	Swarthmore C.	1,992	1,194	12	0	499	287
288	U. Southern ME	1,986 i	189 i	830 i	0 i	831 i	136 i
289	SUNY C. Buffalo	1,977	1,335	23	26	0	593
290	Christopher Newport U.	1,941	1,673	216	52	0	0
291	U. WI Stevens Point	1,926	867	163	3	333	560
292	AL State U.	1,900	1,685	0	5	210	0
293	Fairfield U.	1,897	263	0	234	1,367	33
294	Central WA U.	1,893	929	200	443	306	15
295	TX Woman's U.	1,871	940	676	64	0	191
296	New England C. of Optometry	1,870	1,474	0	121	208	67
297	Shaw U.	1,864	1,727	5	0	0	132
298	Calvin C.	1,857	714	114	142	887	0
299	Chicago State U.	1,832	1,724	0	0	108	0
300	SUNY C. Plattsburgh	1,823	1,351	131	35	219	87

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
301	Bucknell U.	1,820	721	1	518	545	35
302	Ithaca C.	1,814	1,558	0	0	256	0
303	Grambling State U.	1,784	1,461	323	0	0	0
304	Kettering U.	1,758	701	523	267	104	163
305	Middlebury C.	1,749 i	1,264 i	4 i	11 i	6 i	464 i
306	Hamilton C. (Clinton, NY)	1,742	1,138	2	120	289	193
307	Harvey Mudd C.	1,738	767	0	54	690	227
308	Loyola C.	1,729	551	721	92	365	0
309	Southeastern LA U.	1,714	1,276	266	92	80	0
310	Eastern WA U.	1,711	292	1,056	0	179	184
311	St. John's U. (Jamaica, NY)	1,702	1,372	0	71	0	259
312	Long Island U. all campuses	1,684	1,227	56	185	184	32
313	U. San Diego	1,683	1,187	109	115	0	272
314	Santa Clara U.	1,632 i	1,632 i	0 i	0 i	0 i	0 i
315	Lafayette C.	1,610	1,019	9	0	582	0
316	Bradley U.	1,606	346	0	833	427	0
317	Central State U.	1,579	1,579	0	0	0	0
318	Black Hills State U.	1,566	1,445	75	12	34	0
319	SUNY C. Old Westbury	1,565	1,422	105	0	33	5
320	American U.	1,542	1,364	0	26	152	0
321	Western Carolina U.	1,516	1,233	283	0	0	0
322	CUNY York C.	1,513	1,448	0	15	50	0
323	Montclair State U.	1,511	1,018	106	0	363	24
324	Benedict C.	1,494	1,399	85	0	0	10
325	Furman U.	1,477	999	0	0	0	478
326	Nicholls State U.	1,475	674	151	59	330	261
327	IN State U. all campuses	1,473	544	222	707	0	0
328	CO C.	1,452 i	81 i	0 i	337 i	1,034 i	0 i
329	U. WI Green Bay	1,416	999	92	188	129	8
330	U. Redlands	1,413	1,237	20	8	0	148
331	Trinity U.	1,386	759	0	597	30	0
332	Youngstown State U.	1,382	1,138	94	94	56	0
333	U. Scranton	1,369	1,016	20	193	140	0
334	Northern KY U.	1,368	768	92	0	387	121
335	U. Hartford	1,360	767	264	14	289	26
336	U. Northern IA	1,353	569	141	0	608	35
337	State U. West GA	1,327	913	200	109	105	0
338	Colgate U.	1,308	696	0	0	540	72
339	Davidson C.	1,261 i	1,261 i	0 i	0 i	0 i	0 i
340	Haverford C.	1,259	857	0	0	132	270
341	Sam Houston State U.	1,258	106	33	619	315	185
342	Colby C.	1,241	861	6	0	228	146
343	Reed C.	1,237	774	0	0	277	186
344	Trinity C. (Hartford, CT)	1,215	611	0	17	62	525
345	U. IL Springfield	1,208	850	54	0	190	114
346	A.T. Still U. of Health Sciences	1,206	344	0	0	221	641
347	NM Highlands U.	1,202	930	0	0	0	272
348	Western IL U.	1,190	446	630	4	97	13
349	Fuller Theological Seminary CA	1,174	985	0	0	9	180
350	NC Central U.	1,174 i	1,066 i	0 i	0 i	0 i	108 i



TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
351	Dickinson C.	1,163	212	324	72	261	294
352	PA C. of Optometry	1,149	1,060	48	0	0	41
353	U. WI Eau Claire	1,146	791	34	24	80	217
354	U. WI Superior	1,140	830	0	1	148	161
355	Skidmore C.	1,138	741	0	322	75	0
356	Canisius C.	1,106 i	1,106 i	0 i	0 i	0 i	0 i
357	Rider U.	1,096	308	7	25	589	167
358	Jacksonville State U.	1,089	873	206	10	0	0
359	U. San Francisco	1,082	545	22	0	123	392
360	Grinnell C.	1,079	603	5	0	380	91
361	Bates C.	1,077	794	0	15	160	108
362	Appalachian State U.	1,076	503	200	135	166	72
363	U. WI Oshkosh	1,067	650	54	0	164	199
364	Oberlin C.	1,059	841	0	154	64	0
365	Pace U. all campuses	1,053	958	0	0	0	95
366	Southern OR U.	1,015	739	33	64	144	35
367	SUNY C. Oswego	1,010	839	27	3	141	0
368	Philadelphia C. of Osteopathic Medicine	973	973	0	0	0	0
369	Vassar C.	960 i	535	25 i	161 i	106 i	133 i
370	SUNY C. Geneseo	951	842	3	0	71	35
371	Western U. of Health Sciences	946	639	0	0	59	248
372	Kansas City U. of Medicine and Biosciences	944	219	0	4	685	36
373	Tougaloo C.	938 i	369 i	0 i	0 i	565 i	4 i
374	CUNY John Jay C. of Criminal Justice	932	516	142	125	0	149
375	Elizabeth City State U.	929	888	41	0	0	0
376	Lawrence Technological U.	917	354	356	187	20	0
377	Drake U.	901	398	5	353	145	0
378	CUNY Baruch C.	896	184	490	34	188	0
379	Roger Williams U. Bristol	849	772	0	77	0	0
380	Hofstra U.	846 i	524 i	0 i	129 i	0 i	193 i
381	Chapman U.	839	303	0	0	358	178
382	Eastern OR U.	834	594	88	0	152	0
383	Fayetteville State U.	821	711	0	0	0	110
384	Central CT State U.	812	788	0	17	0	7
385	Northeastern State U.	786	625	123	0	38	0
386	Monmouth U.	779	779	0	0	0	0
387	Seattle U.	764	421	0	22	151	170
388	Allegheny C.	751	315	43	0	165	228
389	U. Houston-Clear Lake	743	324	252	3	30	134
390	Sinte Gleska U.	732	612	0	0	120	0
391	Des Moines U. Osteopathic Medical Ctr.	723 i	82 i	0 i	37 i	591 i	13 i
392	Juniata C.	721	537	4	104	67	9
393	NJ City U.	720	650	0	0	70	0
394	Dillard U.	716 i	362 i	324 i	0 i	26 i	4 i
395	CUNY Medgar Evers C.	707	701	0	0	6	0
396	U. of the Sciences Philadelphia	704	249	11	444	0	0
397	MT State U. Billings	694 i	694 i	0 i	0 i	0 i	0 i
398	Gettysburg C.	688	536	5	56	91	0
399	Indiana U. PA all campuses	684	513	54	10	84	23
400	CO State U. Pueblo	663	598	52	1	3	9

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
401	VA Military Institute	662	35	2	449	145	31
402	U.S. Coast Guard Academy	660	660	0	0	0	0
403	SUNY C. Brockport	659	436	55	0	146	22
404	Coastal Carolina U.	656	453	30	5	152	16
405	Sonoma State U.	650	445	96	0	86	23
406	Evergreen State C.	647	647	0	0	0	0
407	Augustana C. (Sioux Falls, SD)	644	591	0	0	53	0
408	St. Olaf C.	643	390	0	0	0	253
409	U. AK Southeast all campuses	639	249	105	0	85	200
410	CT C.	634 i	0 i	1 i	12 i	20 i	601 i
411	Loyola Marymount U.	621	473	4	0	86	58
412	McNeese State U.	614	382	69	0	156	7
413	TX A&M U. Commerce	608	71	393	144	0	0
414	Augsburg C.	606	606	0	0	0	0
415	MS Valley State U.	606	606	0	0	0	0
416	Whitman C.	595	499	0	0	0	96
417	U. Detroit Mercy	586 i	167 i	0 i	176 i	136 i	107 i
418	Southern U. New Orleans	584 i	584 i	0 i	0 i	0 i	0 i
419	U. WI Parkside	577	501	10	0	34	32
420	C. Wooster	570	467	0 i	0 i	0 i	103 i
421	Mt. St. Mary's C. (Los Angeles, CA)	570	570	0	0	0	0
422	Loyola U. New Orleans	567	367	90	0	110	0
423	SUNY C. Cortland	563	386	0	0	171	6
424	Hendrix C.	550	476	0	0	74	0
425	MN State U. Mankato	549	48	377	2	30	92
426	Andrews U.	533	122	9	69	185	148
427	Oakwood C.	528 i	405 i	0 i	0 i	85 i	38 i
428	Lincoln U. (Lincoln University, PA)	526	526	0	0	0	0
429	Truman State U.	524	187	18	16	303	0
430	Marist C.	520 i	520 i	0 i	0 i	0 i	0 i
431	Ft. Lewis C.	519	204	257	39	19	0
432	Roanoke C.	518	192	0	0	326	0
433	John Carroll U.	506	345	81	80	0	0
434	C. of the Holy Cross	505	312	0	29	5	159
435	Manhattan C.	505	312	143 e	50 e	0	0
436	Washington and Lee U.	501	404	0	97	0	0
437	Maharishi U. of Management	492	492	0	0	0	0
438	MA C. of Pharmacy and Health Sciences	489 i	285 i	0 i	49 i	16 i	139 i
439	Valparaiso U.	488	372	12	0	104	0
440	Gustavus Adolphus C.	487	368	0	69	50	0
441	Eastern KY U.	486	294	81	31	80	0
442	Southeastern OK State U.	485	475	10	0	0	0
443	Lewis and Clark C.	479	102	0	0	112	265
444	Kennesaw State U.	477	293	68	18	0	98
445	U. Portland	477	178	35	0	28	236
446	Wabash C.	464	222	0	0	209	33
447	OH Wesleyan U.	459	325	0	0	134	0
448	St. Mary's C. MD	459	306	135	0	0	18
449	West Chester U. PA	457	337	73	24	0	23
450	U. WI Platteville	447	28	135	22	177	85

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
451	U. TX Tyler	440	144	0	0	8	288
452	Denison U.	438 i	231 i	0 i	0 i	63 i	144 i
453	Simmons C.	433	108	0	61	0	264
454	Kalamazoo C.	422	244	0	0	108	70
455	Pacific U.	421	47	45	319	10	0
456	U. WI Stout	415	285	2	0	112	16
457	St. Mary's U. (San Antonio, TX)	405	405	0	0	0	0
458	Bluefield State C.	359	359	0	0	0	0
459	Saginaw Valley State U.	350	13	0	0	118	219
460	U. of the South	349	68	11	0	56	214
461	Providence C.	346	306	0	17	23	0
462	U. WI River Falls	345	189	51	2	74	29
463	Eckerd C.	334 i	327 i	0 i	0 i	0 i	7 i
464	U. Houston-Downtown	329	317	12	0	0	0
465	Arcadia U.	324 i	324 i	0 i	0 i	0 i	0 i
466	U. of St. Thomas (St. Paul, MN)	324	182	11	15	108	8
467	National U. of Health Sciences	323	48	0	0	218	57
468	IL Wesleyan U.	322	150	11	15	71	75
469	Morris Brown C.	320 i	310 i	0 i	0 i	0 i	10 i
470	U. Puget Sound	319	281	0	0	6	32
471	U. New Haven	314	235	79	0	0	0
472	U. WI Whitewater	305	277	0	0	8	20
473	Eastern IL U.	303 i	294 i	0 i	0 i	0 i	9 i
474	Augustana C. (Rock Island, IL)	300	203	0	0	97	0
475	AR Tech U.	299	155 i	29 i	11 i	100 i	4 i
476	Rhodes C.	286	263	3	20	0	0
477	Voorhees C.	273 i	273 i	0 i	0 i	0 i	0 i
478	WV School of Osteopathic Medicine	270	96	0	0	174	0
479	Heritage U. (Toppenish, WA)	266	266	0	0	0	0
480	Point Loma Nazarene C.	261	261	0	0	0	0
481	New C. FL	259	198	8	0	53	0
482	Lake Forest C.	242	133	0	11	98	0
483	Governors State U.	237	134	40	0	24	39
484	Abilene Christian U.	233	164	0	0	69	0
485	Bridgewater State C.	230	95	46	0	72	17
486	Muhlenberg C.	230	202	0	25	3	0
487	Northeastern IL U.	227	65	4	67	59	32
488	Philadelphia U.	227 i	227 i	0 i	0 i	0 i	0 i
489	Southeast MO State U.	223	182	7	4	30	0
490	Claffin U.	222	222	0	0	0	0
491	U. Central OK	216	198	18	0	0	0
492	Pitzer C.	205	121	0	0	71	13
493	DePauw U.	201 i	201 i	0 i	0 i	0 i	0 i
494	Mayville State U.	185	185	0	0	0	0
495	Wiley C.	181	45	51	0	0	85
496	Whittier C.	176 i	176 i	0 i	0 i	0 i	0 i
497	SUNY Fredonia	175	33	13	0	82	47
498	Bard C.	173 i	173 i	0 i	0 i	0 i	0 i
499	Cooper Union	173	0	0	89	0	84
500	Fitchburg State C.	161	161	0	0	0	0

TABLE 35. R&D expenditures at all universities and colleges without a medical school, ranked by all R&D expenditures, by source of funds: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Industry	Institutional funds	All other sources
501	Goucher C.	158 i	0 i	8 i	21 i	71 i	58 i
502	Prescott C.	158 i	72 i	5 i	10 i	39 i	32 i
503	TX A&M International U.	155	127	28	0	0	0
504	Willamette U.	154	51	0	0	103	0
505	Millsaps C.	150 i	0 i	16 i	22 i	62 i	50 i
506	Regis U.	150 i	33 i	7 i	44 i	29 i	37 i
507	Universidad del Turabo	150 i	0 i	16 i	22 i	62 i	50 i

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

i = data point 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 2005.

TABLE 36. R&amp;D expenditures at universities and colleges, ranked by all R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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	45,750,413	2,546,286	27,603,363	1,900,529	3,704,135	825,901	1,675,498	766,960	6,727,741
1	Johns Hopkins U., The <sup>a</sup>	1,443,792	42,281	674,083	97,527	146,097	5,720	4,875	42,255	430,954
2	U. MI all campuses	808,887	9,828	492,195	10,562	39,648	11,970	89,909	377	154,398
3	U. WI Madison	798,099	72,681	488,831	20,032	52,715	29,796	40,905	157	92,982
4	U. CA, Los Angeles	785,625	14,038	585,436	21,724	53,851	12,773	34,141	8,327	55,335
5	U. CA, San Francisco	754,444	0	728,403	0	26,041	0	0	0	0
6	U. CA, San Diego	721,035	125,519	381,402	69,112	51,400	6,993	12,607	1,039	72,963
7	Stanford U.	714,897	25,124	392,129	26,240	94,093	7,603	13,864	0	155,844
8	U. WA	707,519	82,035	485,173	6,239	36,411	9,733	16,232	0	71,696
9	U. PA	654,982	691	528,225	11,688	32,380	6,080	36,185	12,088	27,645
10	Duke U.	630,752	12,523	528,719	9,073	18,250	2,527	25,728	0	33,932
11	PA State U. all campuses	625,764	44,968	198,841	44,294	61,961	22,721	24,648	6,531	221,800
12	OH State U. all campuses	608,923	10,399	340,909	43,882	31,788	6,947	33,921	9,156	131,921
13	Cornell U. all campuses	606,804	6,006	376,860	31,616	84,833	6,464	25,750	0	75,275
14	MA Institute of Technology	580,742	27,444	165,968	48,961	104,485	970	6,945	19,402	206,567
15	U. CA, Berkeley	554,551	9,425	183,129	8,823	120,957	8,805	48,971	22,158	152,283
16	U. MN all campuses	548,873	11,494	403,919	21,124	26,914	13,090	21,164	0	51,168
17	U. CA, Davis	546,978	26,354	404,872	8,063	21,533	2,000	22,262	5,136	56,758
18	Columbia U. in the City of NY	535,424	60,939	363,922	11,122	47,824	4,183	11,229	5,753	30,452
19	Washington U. St. Louis	531,846	5,541	477,021	7,731	14,731	6,356	4,999	23	15,444
20	U. FL	530,734	9,486	370,708	9,288	34,350	11,890	14,457	0	80,555
21	U. AZ	530,233	11,666	278,726	12,756	147,092	4,903	19,038	51	56,001
22	U. CO all campuses	517,067	106,955	282,598	9,643	58,784	11,799	10,031	1,821	35,436
23	U. Pittsburgh all campuses	510,943	793	440,596	5,659	20,281	7,847	3,923	11,876	19,968
24	U. IL Urbana-Champaign	499,711	38,638	134,291	108,562	52,413	12,594	22,623	5,133	125,457
25	TX A&M U. all campuses	479,735	89,551	171,899	17,393	37,523	2,940	8,759	4,497	147,173
26	Baylor C. of Medicine	458,694	0	458,694	0	0	0	0	0	0
27	Harvard U.	447,196	25,250	324,112	2,761	47,993	7,525	18,364	0	21,191
28	U. Southern CA	445,036	20,274	249,108	94,391	11,070	4,028	10,037	2,265	53,863
29	U. NC Chapel Hill	441,033	23,272	339,452	13,976	23,398	5,999	34,936	0	0
30	Yale U.	431,618	4,566	374,599	6,378	20,533	6,873	4,900	0	13,769
31	GA Institute of Technology all campuses	425,386	14,359	17,666	60,826	29,469	5,018	10,090	2,386	285,572
32	U. TX Austin	410,981	38,858	48,211	58,077	83,371	8,693	29,057	4,451	140,263
33	Northwestern U.	387,242	1,237	270,379	6,562	26,828	3,755	9,292	7,172	62,017
34	U. TX M. D. Anderson Cancer Ctr.	383,780	0	344,804	17,543	9,041	7,851	2,817	0	1,724
35	Purdue U. all campuses	364,986	5,757	165,984	13,853	20,632	6,198	17,806	13,608	121,148

TABLE 36. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
36	LA State U. all campuses	356,828	33,792	229,138	4,762	28,230	1,438	10,677	7,488	41,303
37	Vanderbilt U.	350,433	293	275,664	1,252	15,092	9,694	3,375	11,856	33,207
38	U. Rochester	345,337	844	231,559	3,524	11,271	13,884	566	786	82,903
39	U. MD College Park	338,648	11,841	61,801	34,869	60,544	4,844	76,411	0	88,338
40	Scripps Research Institute, The	338,634	0	338,634	0	0	0	0	0	0
41	U. IA	334,144	2,746	265,701	3,357	17,611	6,971	5,511	540	31,707
42	MI State U.	333,735	1,441	205,932	8,367	54,666	6,861	28,063	2,039	26,366
43	Emory U.	333,665	90	319,795	487	9,985	1,718	1,590	0	0
44	U. NE all campuses	333,126	4,095	232,085	11,611	13,797	9,691	14,916	16,256	30,675
45	Case Western Reserve U.	323,618	588	268,303	586	8,994	882	1,708	0	42,557
46	U. TX Southwestern Medical Ctr. Dallas	320,800	0	320,800	0	0	0	0	0	0
47	U. AL Birmingham, The	318,536	0	297,702	850	2,944	8,414	433	0	8,193
48	U. IL Chicago	318,279	3,855	239,554	16,605	13,219	6,671	11,748	8,060	18,567
49	U. GA	316,806	13,694	222,793	8,737	13,444	13,020	38,593	0	6,525
50	Rutgers, The State U. NJ all campuses	309,531	29,835	153,739	17,347	37,725	10,773	27,271	2,237	30,604
51	IN U. all campuses	307,137	3,987	208,902	11,055	36,476	11,152	24,596	8,132	2,837
52	U. KY all campuses	306,653	4,059	214,451	9,685	10,084	6,294	6,939	10,795	44,346
53	U. MD Baltimore	304,396	0	304,396	0	0	0	0	0	0
54	NC State U.	302,596	15,976	145,877	20,246	26,469	0	7,299	4,957	81,772
55	U. Chicago	293,970	5,155	214,274	15,715	46,785	6,623	5,249	0	169
56	VA Polytechnic Institute and State U.	289,994	10,332	129,454	11,710	14,786	2,307	8,399	55	112,951
57	U. Cincinnati all campuses	286,036	754	244,581	564	6,646	1,941	3,655	1,718	26,177
58	U. CA, Irvine	276,763	5,034	180,436	14,583	27,105	3,960	10,979	745	33,921
59	NY U.	276,198	319	223,974	14,290	12,650	14,938	8,864	1,163	0
60	SUNY Buffalo all campuses	267,271	2,060	191,492	10,529	13,792	5,489	3,978	268	39,663
61	OR Health & Science U.	266,687	0	226,827	18,630	0	0	0	21,230	0
62	CA Institute of Technology	265,364	15,739	44,305	13,625	143,657	0	0	6,579	41,459
63	SUNY Albany	259,708	7,060	102,721	3,643	45,404	1,174	13,335	0	86,371
64	U. South FL	259,218	34,191	172,849	1,032	5,227	7,255	5,158	789	32,717
65	U. TN all campuses	255,699	5,191	143,820	10,625	17,985	422	10,980	16,733	49,943
66	Boston U.	246,520	4,411	168,421	4,265	21,402	7,439	1,360	14,148	25,074
67	U. UT	244,691	8,810	163,694	18,049	20,030	2,897	2,325	0	28,886
68	U. of Medicine and Dentistry NJ	239,778	0	239,778	0	0	0	0	0	0
69	U. VA all campuses	239,061	4,166	164,223	8,627	16,968	7,026	2,046	972	35,033
70	CO State U.	236,211	82,240	101,279	4,844	11,405	4,812	3,135	3,521	24,975

TABLE 36. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
71	U. HI Manoa	230,651	60,485	84,326	18,922	29,343	739	5,698	20,319	10,819
72	Wayne State U.	226,331	85	178,254	2,188	14,320	4,705	5,923	3,715	17,141
73	Mt. Sinai School of Medicine	225,293	0	225,293	0	0	0	0	0	0
74	U. MO-Columbia	220,718	2,158	166,138	3,397	6,812	7,647	12,346	0	22,220
75	U. CT all campuses	219,982	9,004	156,803	4,040	7,682	15,152	7,813	557	18,931
76	SUNY Stony Brook all campuses	212,289	22,078	118,250	10,476	30,384	5,302	2,854	831	22,114
77	U. Miami	209,572	48,091	143,165	582	2,072	9,538	3,253	0	2,871
78	IA State U.	209,545	6,429	106,565	16,140	11,302	1,001	16,384	3,571	48,153
79	Princeton U.	202,380	17,771	41,607	13,341	33,237	8,871	29,601	0	57,952
80	Carnegie Mellon U.	200,297	676	6,059	109,999	11,743	5,237	10,569	1,545	54,469
81	Rockefeller U.	198,719	0	185,329	6,746	6,644	0	0	0	0
82	Yeshiva U.	195,644	0	195,644	0	0	0	0	0	0
83	U. KS all campuses	190,105	12,224	135,960	1,274	11,198	835	9,459	2,208	16,947
84	Wake Forest U.	185,152	0	181,685	797	2,266	0	404	0	0
85	WA State U.	182,677	3,297	110,356	1,142	15,624	2,105	17,735	6,542	25,876
86	OR State U.	180,309	41,170	103,729	4,337	4,230	168	2,460	2,447	21,768
87	MS State U.	179,825	4,659	97,315	8,805	10,070	4,993	6,098	6,873	41,012
88	Dartmouth C.	179,094	1,431	129,639	4,608	9,041	5,594	1,050	7,555	20,176
89	U. NM all campuses	178,703	4,486	108,297	5,328	11,242	10,304	4,905	10,534	23,607
90	Medical U. SC	176,709	0	176,588	0	0	0	0	0	121
91	U. MA Worcester	176,349	0	176,349	0	0	0	0	0	0
92	Clemson U.	175,127	0	49,709	4,131	11,416	1,232	11,207	19,015	78,417
93	U. TX Medical Branch	174,254	0	171,114	0	0	0	0	0	3,140
94	U. OK all campuses	173,663	32,729	97,497	2,869	13,417	1,746	8,146	0	17,259
95	FL State U.	172,858	23,976	29,859	14,252	47,794	12,923	14,626	472	28,956
96	AZ State U. main campus	166,923	11,476	45,181	9,455	23,607	9,565	13,222	3,902	50,515
97	U. CA, Santa Barbara	165,014	27,685	5,169	11,730	25,153	3,266	12,064	6,135	73,812
98	U. TX Health Science Ctr. Houston	152,631	0	152,631	0	0	0	0	0	0
99	VA Commonwealth U.	146,105	590	125,944	547	5,954	5,126	1,654	0	6,290
100	Medical C. WI	143,540	0	143,540	0	0	0	0	0	0
101	U. TX Health Science Ctr. San Antonio	142,375	0	142,375	0	0	0	0	0	0
102	U. AK Fairbanks all campuses	139,488	75,857	29,679	10,245	58	150	868	9,193	13,438
103	Tulane U.	138,959	777	122,618	2,334	2,004	535	3,382	35	7,274
104	Brown U.	138,262	6,604	71,997	14,919	13,359	2,349	8,380	0	20,654
105	Auburn U. all campuses	132,203	2,313	80,632	585	5,861	621	2,495	6,011	33,685

TABLE 36. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
106	UT State U.	131,624	6,648	47,663	1,258	4,301	3,384	2,208	11,408	54,754
107	Tufts U.	131,028	708	102,078	1,791	4,432	4,677	8,419	0	8,923
108	U. Louisville	128,347	586	105,077	540	2,038	3,808	1,522	96	14,680
109	U. MA Amherst	127,487	3,888	37,850	20,679	30,336	5,475	2,781	640	25,838
110	NM State U. all campuses	125,427	1,270	29,198	3,032	12,453	909	3,724	864	73,977
111	Georgetown U.	123,938	0	110,052	372	2,578	958	9,978	0	0
112	KS State U.	123,398	585	80,444	4,098	10,302	1,066	3,943	5,326	17,634
113	U. CA, Riverside	122,221	13,010	66,421	3,683	8,599	2,123	1,285	1,387	25,713
114	U. SC all campuses	122,212	20,960	39,742	3,476	14,032	6,246	7,391	4,057	26,308
115	Woods Hole Oceanographic Institution	117,517	96,473	0	0	0	0	0	0	21,044
116	U. VT	115,693	786	102,016	1,711	1,505	1,355	131	6,275	1,914
117	WV U.	115,398	7,117	71,207	1,208	5,262	224	3,063	384	26,933
118	U. DE	110,339	12,229	26,600	2,382	17,308	3,817	6,394	4,601	37,008
119	MT State U. Bozeman	109,465	1,443	70,876	1,215	14,252	0	3,261	7,323	11,095
120	U. NH	108,378	48,313	26,760	1,330	5,361	114	4,367	1,150	20,983
121	George Washington U.	107,715	278	44,412	37,018	3,786	2,268	9,156	0	10,797
122	Thomas Jefferson U.	107,388	0	107,388	0	0	0	0	0	0
123	U. CA, Santa Cruz	105,617	18,801	13,424	2,377	37,919	910	3,443	377	28,366
124	ND State U. all campuses	103,011	181	56,939	1,297	13,116	2,714	10,806	6,232	11,726
125	U. Central FL	102,702	14,866	11,222	1,083	26,498	1,706	4,672	15,431	27,224
126	OK State U. all campuses	99,436	1,472	59,077	886	5,637	428	6,140	5,155	20,641
127	U. AR main campus	98,138	2,802	56,408	1,261	12,096	291	3,862	0	21,418
128	U. CA Office of the President	97,245	11,877	59,470	2,174	18,260	0	165	4,921	378
129	U. NV, Reno	95,579	9,576	52,114	1,896	10,393	350	1,350	7,537	12,363
130	U. MS all campuses	91,913	0	64,436	204	18,720	121	851	42	7,539
131	U. AR for Medical Sciences	91,516	0	90,987	0	0	517	12	0	0
132	U. ID	91,009	4,449	53,851	1,580	4,032	133	1,895	9,511	15,558
133	Drexel U.	88,049	0	41,882	2,279	3,213	1,106	0	0	39,569
134	Rush U.	83,693	0	81,032	0	0	2,661	0	0	0
135	U. WY	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
136	Temple U.	83,062	99	56,742	781	5,280	12,586	3,101	0	4,473
137	U. Houston	80,731	3,998	18,425	8,040	9,288	13,249	4,905	0	22,826
138	Uniformed Services U. of the Health Sciences	78,694	0	78,608	0	0	86	0	0	0
139	NJ Institute of Technology	76,920	0	0	6,939	9,659	0	192	19,622	40,508
140	FL International U.	76,678	19,537	18,864	4,532	7,838	3,134	16,708	787	5,278



TABLE 36. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
141	U. ME	75,066	20,311	26,774	2,110	9,334	792	2,673	561	12,511
142	San Diego State U.	73,887	4,179	30,843	1,365	3,199	8,776	6,422	5,205	13,898
143	TX A&M U. System Health Science Ctr.	73,162	550	70,696	2	25	101	84	0	1,704
144	U. of Notre Dame	71,266	0	13,894	4,170	16,528	4,029	4,288	13,472	14,885
145	U. Dayton	67,445	76	580	640	413	9	56	0	65,671
146	Medical C. GA	67,278	0	67,278	0	0	0	0	0	0
147	Rensselaer Polytechnic Institute	65,571	3,286	1,159	4,982	7,350	1,153	672	0	46,969
148	Northeastern U.	63,514	13	14,933	3,301	15,512	3,901	3,325	0	22,529
149	Rice U.	63,102	2,066	10,595	12,081	18,690	831	870	0	17,969
150	Syracuse U. all campuses	62,020	1,960	3,247	9,243	4,961	4,023	8,992	16,332	13,262
151	U. RI	60,252	23,764	17,847	680	739	2,472	22	9,150	5,578
152	U. MD Baltimore County	58,467	15,900	11,175	1,623	5,691	1,758	7,425	6,091	8,804
153	Southern IL U. Carbondale	57,434	1,893	36,055	488	1,914	952	1,644	3,580	10,908
154	TX Tech U.	56,623	7,423	17,174	999	6,412	280	7,825	590	15,920
155	U. MD Biotechnology Institute	56,135	11,297	44,838	0	0	0	0	0	0
156	U. MT, The	54,685	1,485	36,797	1,034	3,872	718	3,531	7,244	4
157	U. AL Huntsville, The	54,601	7,759	1,825	8,409	8,733	67	1,061	75	26,672
158	Brandeis U.	54,136	0	29,005	2,099	6,003	2,765	14,264	0	0
159	U. OR	52,657	2,474	27,504	3,212	7,423	6,914	4,366	0	764
160	Naval Postgraduate School	51,343	10,585	0	9,438	4,343	0	2,927	8,519	15,531
161	GA State U.	50,262	381	17,160	2,409	7,170	11,182	10,750	1,210	0
162	C. of William and Mary all campuses	50,146	31,777	2,300	1,445	6,077	440	2,076	6,031	0
163	U. Memphis, The	49,961	8,800	7,385	4,663	1,846	11,658	9,820	2,259	3,530
164	U. NV, Las Vegas	48,343	15,133	6,923	356	4,226	0	9,297	0	12,408
165	St. Louis U. all campuses	47,356	882	45,844	81	308	0	112	0	129
166	Old Dominion U.	47,006	4,223	4,029	4,093	4,614	1,439	2,180	0	26,428
167	U. ND all campuses	46,798	6,510	14,626	80	1,156	136	68	2,902	21,320
168	U. LA Lafayette	44,620	233	24,391	8,861	897	259	1,061	4,258	4,660
169	Charles R. Drew U. of Medicine and Science	43,231	0	43,231	0	0	0	0	0	0
170	OH U. all campuses	43,229	1,445	11,747	327	8,048	1,776	1,672	0	18,214
171	U. TX Dallas	43,111	3,363	8,465	8,405	8,569	545	1,026	495	12,243
172	Hampton U.	42,969	87	1,197	1,958	815	0	0	4,652	34,260
173	George Mason U.	42,630	9,321	5,329	7,122	1,285	2,809	10,151	0	6,613
174	Howard U.	41,609	0	29,602	2,521	2,771	1,261	332	308	4,814
175	U. MD Ctr. for Environmental Science	41,022	41,022	0	0	0	0	0	0	0

TABLE 36. R&D expenditures at universities and colleges, ranked by all R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
176	Loyola U. Chicago	40,551	0	36,593	32	356	531	171	2,868	0
177	NM Institute of Mining and Technology	40,512 i	10,550 i	1,165 i	381 i	2,517 i	2 i	0 i	6,921 i	18,976 i
178	Wright State U. all campuses	40,328	345	25,393	4,664	2,268	1,226	114	99	6,219
179	MI Technological U.	40,188	8,399	1,063	2,485	2,723	0	697	670	24,151
180	U. MO-Rolla	38,337	4,620	664	459	3,810	25	31	0	28,728
181	U. Southern MS	37,881	13,806	7,145	272	9,968	171	1,156	3,421	1,942
182	Lehigh U.	36,709	1,987	2,322	1,150	7,810	115	85	0	23,240
183	Jackson State U.	35,876	5,422	11,151	5,028	4,518	1,058	186	6,779	1,734
184	U. PR Medical Sciences Campus	35,809	0	35,809	0	0	0	0	0	0
185	SUNY Upstate Medical U.	34,931	0	34,931	0	0	0	0	0	0
186	Desert Research Institute	34,570	29,248	1,945	0	0	0	2,234	1,143	0
187	U. AL, The	34,531	2,011	3,578	4,133	4,590	2,472	2,883	144	14,720
188	Eastern VA Medical School	33,721	0	33,721	0	0	0	0	0	0
189	CUNY Hunter C.	33,024	2,997	11,859	404	6,996	6,977	3,649	142	0
190	San Jose State U.	32,886	14,693	458	1,503	2,064	9,787	304	1,065	3,012
191	U. WI Milwaukee	32,748	7,001	5,866	1,298	6,239	879	6,247	236	4,982
192	Wichita State U.	32,726	49	1,075	264	1,772	290	585	0	28,691
193	NY Medical C.	32,460	0	32,460	0	0	0	0	0	0
194	U. Toledo	32,351	3,968	6,399	51	8,013	273	197	153	13,297
195	SD State U.	32,042	99	26,556	18	513	0	2,050	82	2,724
196	Boston C.	31,588	6,444	4,377	4,661	8,041	920	7,145	0	0
197	U. MO-Kansas City	30,780	0	23,623	188	1,610	3,485	332	0	1,542
198	Morehouse School of Medicine	30,652	0	30,652	0	0	0	0	0	0
199	Loma Linda U.	29,898	0	29,898	0	0	0	0	0	0
200	SUNY Health Science Ctr. Brooklyn	29,732	0	29,732	0	0	0	0	0	0
	All other sampled institutions	2,147,499	177,503	789,216	122,212	318,938	78,034	158,344	77,416	425,836

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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	29,167,128	1,725,313	17,690,853	1,369,050	2,673,596	611,001	691,404	290,194	4,115,717
1	Johns Hopkins U., The <sup>a</sup>	1,277,292	40,230	548,516	94,092	143,656	5,134	3,552	23,266	418,846
2	U. WA	606,317	72,716	420,856	5,895	31,469	8,876	6,230	0	60,275
3	Stanford U.	574,675	16,881	312,619	23,393	86,352	6,438	6,185	0	122,807
4	U. MI all campuses	554,516	6,093	337,556	7,610	28,789	10,208	54,590	55	109,615
5	U. WI Madison	477,582	60,035	257,244	15,682	38,025	24,461	22,408	0	59,727
6	U. CA, Los Angeles	469,889	10,999	349,587	16,639	40,051	9,845	6,947	2,877	32,944
7	U. PA	465,284	124	386,272	8,892	25,902	5,537	16,834	3,939	17,784
8	U. CA, San Diego	463,946	76,924	254,231	46,919	37,162	5,384	4,622	124	38,580
9	MA Institute of Technology	457,235	24,097	141,176	34,079	99,707	857	2,093	5,959	149,267
10	Columbia U. in the City of NY	453,188	58,432	309,787	9,985	38,206	4,113	6,226	1,777	24,662
11	U. CO all campuses	449,366	99,455	240,405	8,363	53,077	10,561	8,194	1,598	27,713
12	U. CA, San Francisco	438,988	0	419,367	0	19,621	0	0	0	0
13	U. Pittsburgh all campuses	420,281	742	362,208	4,742	17,820	7,233	3,198	8,884	15,454
14	Washington U. St. Louis	400,699	3,313	365,868	3,983	10,983	4,780	3,161	0	8,611
15	Harvard U.	395,906	23,765	288,385	2,759	44,859	7,096	9,755	0	19,287
16	Duke U.	376,568	7,641	304,532	7,885	14,513	1,514	19,034	0	21,449
17	Cornell U. all campuses	365,694	3,951	230,308	19,475	55,723	2,670	7,833	0	45,734
18	PA State U. all campuses	358,569	23,480	95,815	32,820	40,854	11,847	9,153	1,615	142,985
19	Yale U.	332,702	3,740	293,504	4,943	15,766	4,610	1,033	0	9,106
20	U. Southern CA	330,126	15,438	175,724	87,301	6,564	3,099	3,717	896	37,387
21	U. NC Chapel Hill	320,294	13,672	250,489	10,046	18,103	4,703	23,281	0	0
22	U. MN all campuses	319,771	6,522	234,037	14,494	20,991	8,835	8,913	0	25,979
23	Baylor C. of Medicine	300,638	0	300,638	0	0	0	0	0	0
24	OH State U. all campuses	294,053	6,595	167,697	17,910	20,081	4,992	24,064	3,160	49,554
25	U. AZ	292,811	7,190	150,285	9,331	88,926	3,398	7,169	0	26,512
26	U. CA, Berkeley	290,960	5,056	98,172	6,500	98,554	5,551	7,351	4,200	65,576
27	U. IL Urbana-Champaign	289,985	17,340	60,841	80,476	37,870	8,235	5,505	2,924	76,794
28	U. AL Birmingham, The	288,434	0	268,552	818	2,705	8,374	411	0	7,574
29	Vanderbilt U.	281,694	247	228,670	1,139	13,376	7,701	2,533	1,292	26,736
30	Scripps Research Institute, The	272,969	0	272,969	0	0	0	0	0	0
31	Emory U.	266,868	78	255,557	483	8,817	1,590	343	0	0
32	U. Rochester	257,497	767	160,824	3,254	9,881	10,609	451	487	71,224
33	U. TX Austin	254,529	14,336	34,129	43,159	58,142	7,900	13,821	3,115	79,927
34	CA Institute of Technology	249,371	14,232	40,582	13,583	137,909	0	0	4,330	38,735
35	U. Chicago	245,679	4,992	176,068	15,450	37,961	6,570	4,469	0	169

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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
36	GA Institute of Technology all campuses	245,130	6,154	7,865	41,692	16,857	1,979	2,142	918	167,523
37	Northwestern U.	244,113	1,013	163,230	5,293	21,612	2,896	3,635	3,284	43,150
38	U. CA, Davis	240,003	7,572	183,366	6,270	14,173	996	2,742	1,287	23,597
39	U. FL	231,699	6,346	143,813	6,506	23,676	8,200	2,537	0	40,621
40	Boston U.	228,842	3,876	154,782	4,024	20,776	7,298	852	13,884	23,350
41	OR Health & Science U.	217,145	0	201,082	16,063	0	0	0	0	0
42	U. IA	216,354	1,337	179,196	2,585	12,967	6,103	1,432	0	12,734
43	TX A&M U. all campuses	212,923	64,192	55,627	11,484	22,756	2,054	2,453	986	53,371
44	Case Western Reserve U.	212,485	444	179,810	561	6,965	779	1,536	0	22,390
45	U. Cincinnati all campuses	202,654	128	183,916	73	3,301	764	918	0	13,554
46	U. TX Southwestern Medical Ctr. Dallas	202,057	0	202,057	0	0	0	0	0	0
47	U. VA all campuses	200,726	3,638	138,869	7,760	15,145	6,191	1,651	905	26,567
48	U. IL Chicago	198,163	2,350	156,635	8,542	8,825	4,481	4,614	2,567	10,149
49	U. MD College Park	196,008	10,236	25,288	20,810	42,744	4,566	35,852	0	56,512
50	NY U.	191,782	72	150,029	13,326	10,164	12,256	5,147	788	0
51	Mt. Sinai School of Medicine	191,326	0	191,326	0	0	0	0	0	0
52	U. HI Manoa	190,137	48,672	67,321	18,767	26,669	103	3,894	15,133	9,578
53	Carnegie Mellon U.	173,902	676	5,177	100,518	8,925	4,648	8,738	419	44,801
54	IN U. all campuses	171,528	2,246	129,200	7,189	15,954	8,968	6,551	372	1,048
55	U. UT	168,652	5,325	118,730	11,276	13,823	2,534	251	0	16,713
56	U. CA, Irvine	161,524	2,995	111,596	8,702	17,794	2,145	3,824	83	14,385
57	U. TX M. D. Anderson Cancer Ctr.	160,953	0	143,477	4,963	4,445	5,226	1,866	0	976
58	Yeshiva U.	160,894	0	160,894	0	0	0	0	0	0
59	MI State U.	156,461	891	88,874	5,167	34,833	3,456	12,982	313	9,945
60	U. Miami	156,059	40,726	98,491	579	1,984	8,974	3,026	0	2,279
61	CO State U.	154,245	65,548	56,385	3,196	8,157	3,856	1,748	740	14,615
62	SUNY Buffalo all campuses	151,890	1,056	109,361	5,409	8,003	2,911	1,165	0	23,985
63	Purdue U. all campuses	150,351	4,021	62,788	8,546	14,606	4,416	5,679	5,124	45,171
64	U. of Medicine and Dentistry NJ	143,239	0	143,239	0	0	0	0	0	0
65	U. KY all campuses	142,794	2,311	98,002	6,838	6,438	5,253	2,060	3,344	18,548
66	U. South FL	142,580	24,623	91,408	68	2,756	4,515	1,541	643	17,026
67	Wake Forest U.	141,685	0	138,951	749	1,948	0	37	0	0
68	Rutgers, The State U. NJ all campuses	137,609	12,555	70,346	8,490	23,676	4,643	6,143	0	11,756
69	U. CT all campuses	134,347	6,752	90,532	3,049	5,944	12,123	3,393	137	12,417
70	U. MA Worcester	130,680	0	130,680	0	0	0	0	0	0

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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
71	U. NM all campuses	129,557	3,976	80,016	4,824	8,358	8,818	2,370	2,703	18,492
72	U. MD Baltimore	129,270	0	129,270	0	0	0	0	0	0
73	U. NE all campuses	129,216	2,857	89,389	6,137	6,130	5,346	4,681	2,439	12,237
74	LA State U. all campuses	128,324	8,826	90,556	1,653	15,124	392	2,166	427	9,180
75	SUNY Stony Brook all campuses	125,781	13,606	69,862	6,257	19,768	4,271	811	0	11,206
76	Dartmouth C.	122,329	686	89,953	2,918	4,853	3,601	416	5,408	14,494
77	U. TN all campuses	121,004	2,141	74,539	5,583	11,946	265	1,898	3,247	21,385
78	Wayne State U.	120,581	62	96,808	1,139	8,259	3,753	1,232	56	9,272
79	Princeton U.	120,042	10,916	27,757	8,200	23,850	7,199	6,577	0	35,543
80	U. TX Medical Branch	117,235	0	115,343	0	0	0	0	0	1,892
81	U. TX Health Science Ctr. Houston	112,509	0	112,509	0	0	0	0	0	0
82	U. KS all campuses	110,768	3,511	83,061	1,163	8,616	765	4,881	978	7,793
83	VA Polytechnic Institute and State U.	109,842	4,710	40,997	4,734	6,803	1,454	3,141	40	47,963
84	NC State U.	109,128	6,557	42,988	11,576	10,331	0	2,527	939	34,210
85	OR State U.	109,030	34,674	49,142	3,924	3,222	155	891	2,124	14,898
86	Medical U. SC	108,196	0	108,196	0	0	0	0	0	0
87	FL State U.	105,747	14,801	17,409	6,556	27,349	9,238	6,811	0	23,583
88	U. CA, Santa Barbara	103,955	12,792	4,156	9,395	17,169	2,767	5,210	3,544	48,922
89	SUNY Albany	103,941	3,358	88,828	2,094	2,310	862	4,918	0	1,571
90	U. GA	102,966	4,644	79,051	1,868	5,193	7,883	3,310	0	1,017
91	Medical C. WI	102,859	0	102,859	0	0	0	0	0	0
92	Woods Hole Oceanographic Institution	100,747	80,539	0	0	0	0	0	0	20,208
93	Georgetown U.	100,328	0	95,516	372	2,489	888	1,063	0	0
94	Tufts U.	98,200	204	82,608	1,192	4,030	2,936	181	0	7,049
95	IA State U.	98,005	4,466	44,065	7,589	6,986	367	8,776	754	25,002
96	VA Commonwealth U.	97,322	445	83,438	435	4,235	3,617	595	0	4,557
97	U. MO-Columbia	96,038	1,315	72,668	2,583	3,817	5,234	4,201	0	6,220
98	U. TX Health Science Ctr. San Antonio	95,125	0	95,125	0	0	0	0	0	0
99	Tulane U.	94,628	402	82,388	1,793	1,310	339	2,835	0	5,561
100	AZ State U. main campus	94,545	11,055	19,869	6,262	13,549	7,959	5,066	2,092	28,693
101	UT State U.	92,660	3,235	28,369	1,019	3,469	1,746	960	2,823	51,039
102	NM State U. all campuses	91,247	640	14,119	2,623	9,458	770	2,918	760	59,959
103	Brown U.	90,857	4,136	54,082	8,716	7,427	1,151	1,627	0	13,718
104	U. AK Fairbanks all campuses	89,637	49,150	16,428	8,674	53	150	419	5,117	9,646
105	U. OK all campuses	87,776	13,901	57,387	1,031	5,371	1,192	2,401	0	6,493

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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
106	Thomas Jefferson U.	86,171	0	86,171	0	0	0	0	0	0
107	Rockefeller U.	85,552	0	80,161	1,205	4,186	0	0	0	0
108	MS State U.	84,465	3,770	35,754	4,418	5,253	3,288	1,867	5,075	25,040
109	WA State U.	80,222	1,436	43,289	549	11,783	1,455	5,418	1,951	14,341
110	U. VT	79,879	613	70,034	1,061	1,251	1,181	50	4,635	1,054
111	George Washington U.	78,779	214	26,500	34,530	2,811	1,554	5,427	0	7,743
112	U. NH	78,653	43,379	12,097	970	5,096	114	3,232	329	13,436
113	U. DE	74,721	8,669	13,070	1,970	13,940	3,098	3,342	2,908	27,724
114	MT State U. Bozeman	71,604	1,319	40,416	1,055	13,000	0	1,897	5,220	8,697
115	U. MS all campuses	67,603	0	44,412	167	16,361	0	89	39	6,535
116	U. Louisville	67,104	400	53,420	307	1,634	3,088	522	16	7,717
117	U. MA Amherst	66,921	2,294	20,757	11,331	18,358	3,304	885	0	9,992
118	U. SC all campuses	65,095	11,232	21,833	2,350	7,175	4,324	3,347	289	14,545
119	Drexel U.	62,606	0	30,620	1,909	2,480	988	0	0	26,609
120	WV U.	62,489	4,713	33,616	640	3,783	104	1,114	148	18,371
121	U. CA, Santa Cruz	62,301	11,270	7,169	1,712	17,752	369	605	0	23,424
122	U. NV, Reno	60,329	6,475	32,554	1,362	9,810	253	575	208	9,092
123	U. AR for Medical Sciences	59,053	0	58,661	0	0	392	0	0	0
124	KS State U.	58,821	241	34,298	2,931	8,456	357	1,615	2,553	8,370
125	U. Dayton	58,782	30	461	327	127	0	0	0	57,837
126	Clemson U.	56,829	0	14,472	1,210	5,556	915	4,671	46	29,959
127	Rice U.	54,735	1,969	9,584	11,206	16,180	830	373	0	14,593
128	Temple U.	53,987	85	38,543	616	3,344	8,251	899	0	2,249
129	U. CA, Riverside	52,919	4,384	21,939	1,895	7,044	1,905	801	0	14,951
130	FL International U.	51,328	13,078	12,627	3,034	5,247	2,098	11,184	527	3,533
131	Auburn U. all campuses	51,319	1,094	23,550	260	4,975	555	1,154	2,063	17,668
132	U. of Notre Dame	51,072	0	10,849	3,960	15,252	3,922	1,227	5,357	10,505
133	Uniformed Services U. of the Health Sciences	50,016	0	49,950	0	0	66	0	0	0
134	Rush U.	49,150	0	47,398	0	0	1,752	0	0	0
135	U. ID	47,212	2,741	27,667	1,281	2,847	96	453	1,490	10,637
136	Syracuse U. all campuses	46,945	1,669	3,044	5,364	4,759	3,975	7,709	11,008	9,417
137	ND State U. all campuses	46,060	117	12,832	940	12,069	2,437	6,472	1,290	9,903
138	St. Louis U. all campuses	44,757	855	43,332	81	289	0	78	0	122
139	U. OR	43,564	2,209	22,730	3,042	6,460	5,971	3,018	0	134
140	U. MD Baltimore County	43,377	15,685	10,588	1,392	5,343	897	2,461	717	6,294

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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
141	Naval Postgraduate School	43,079	9,558	0	8,556	3,752	0	2,352	7,098	11,763
142	Hampton U.	42,792	87	1,197	1,958	815	0	0	4,475	34,260
143	U. AL Huntsville, The	42,358	5,288	1,154	7,150	6,561	54	752	1	21,398
144	Rensselaer Polytechnic Institute	42,338	2,376	967	4,268	5,378	1,044	504	0	27,801
145	U. RI	42,132	18,997	12,039	653	697	1,772	19	4,099	3,856
146	Medical C. GA	41,910	0	41,910	0	0	0	0	0	0
147	Charles R. Drew U. of Medicine and Science	41,207	0	41,207	0	0	0	0	0	0
148	Howard U.	40,020	0	28,628	2,502	2,708	1,261	234	235	4,452
149	U. Central FL	40,013	7,577	5,270	402	10,870	1,528	462	4,448	9,456
150	Brandeis U.	39,788	0	24,115	1,714	4,988	2,472	6,499	0	0
151	U. Houston	37,262	1,380	11,488	4,059	3,700	6,632	3,189	0	6,814
152	OK State U. all campuses	36,637	776	17,528	329	3,048	15	1,409	2,701	10,831
153	Northeastern U.	36,524	0	7,906	1,982	10,168	2,013	680	0	13,775
154	George Mason U.	36,475	8,840	4,318	6,888	1,194	2,054	7,452	0	5,729
155	U. MT, The	36,433	1,117	27,899	847	3,365	572	2,631	0	2
156	U. NV, Las Vegas	35,942	13,834	4,659	327	3,924	0	4,566	0	8,632
157	NJ Institute of Technology	35,716	0	0	2,527	6,510	0	48	5,366	21,265
158	San Diego State U.	35,328	1,942	17,201	268	1,288	4,850	720	46	9,013
159	U. Southern MS	34,941	13,389	6,946	272	8,301	109	1,127	3,030	1,767
160	U. AR main campus	33,496	1,562	13,855	187	8,156	83	995	0	8,658
161	TX A&M U. System Health Science Ctr.	32,949	550	30,839	0	0	101	0	0	1,459
162	U. ND all campuses	32,092	4,570	12,419	29	732	72	11	388	13,871
163	U. MD Biotechnology Institute	31,276	5,275	26,001	0	0	0	0	0	0
164	Loyola U. Chicago	30,584	0	26,984	30	251	345	106	2,868	0
165	Jackson State U.	30,472	4,605	9,472	4,270	3,837	899	158	5,758	1,473
166	U. PR Medical Sciences Campus	29,863	0	29,863	0	0	0	0	0	0
167	U. WY	29,351	5,728	15,858	660	2,217	607	870	483	2,928
168	U. ME	28,951	8,626	7,856	339	5,636	645	780	399	4,670
169	Desert Research Institute	28,655	23,728	1,713	0	0	0	2,108	1,106	0
170	Meharry Medical C.	27,408	0	27,408	0	0	0	0	0	0
171	C. of William and Mary all campuses	26,898	15,466	1,130	1,342	5,168	148	584	3,060	0
172	Loma Linda U.	26,855	0	26,855	0	0	0	0	0	0
173	NY Medical C.	25,242	0	25,242	0	0	0	0	0	0
174	GA State U.	25,204	147	8,854	729	3,362	8,570	3,517	25	0
175	Old Dominion U.	24,463	2,122	1,240	948	2,029	638	295	0	17,191

TABLE 37. Federally financed R&D expenditures at universities and colleges, ranked by federal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005  
(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
176	U. AL, The	24,393	1,380	2,625	2,025	3,119	2,423	1,870	11	10,940
177	Morehouse School of Medicine	24,213	0	24,213	0	0	0	0	0	0
178	SUNY Health Science Ctr. Brooklyn	23,466	0	23,466	0	0	0	0	0	0
179	SUNY Upstate Medical U.	23,275	0	23,275	0	0	0	0	0	0
180	FL A&M U.	22,378	3,247	14,134	222	1,654	11	0	0	3,110
181	CUNY The City C.	22,289	112	6,862	779	7,787	374	70	0	6,305
182	TX Tech U.	22,071	4,576	5,436	671	3,092	211	2,246	0	5,839
183	U. MO-Rolla	21,772	3,035	535	310	2,207	0	0	0	15,685
184	San Jose State U.	21,160	7,692	242	117	1,404	9,787	256	0	1,662
185	Lehigh U.	21,061	1,960	1,894	772	4,123	115	0	0	12,197
186	OH U. all campuses	20,736	777	4,327	126	4,387	1,220	751	0	9,148
187	Wright State U. all campuses	20,527	163	12,630	1,692	1,401	845	31	0	3,765
188	Eastern VA Medical School	19,969	0	19,969	0	0	0	0	0	0
189	U. TX Dallas	19,933	2,713	5,103	3,509	5,982	402	121	298	1,805
190	MI Technological U.	19,760	5,522	308	1,311	1,391	0	94	0	11,134
191	Marshall U.	18,660	0	10,141	5	80	0	19	0	8,415
192	Stevens Institute of Technology	18,626	5,154	357	5,021	807	0	0	320	6,967
193	Portland State U.	18,580	3,587	3,498	2,327	1,674	125	6,257	0	1,112
194	CUNY Hunter C.	18,544	244	7,494	219	5,314	5,055	218	0	0
195	Boston C.	17,801	5,370	3,539	546	5,726	420	2,200	0	0
196	U. TX Arlington	17,654	172	819	270	3,448	1,187	237	0	11,521
197	U. MA Lowell	17,608	2,272	3,047	387	6,269	78	1,598	253	3,704
198	U. North TX Health Science Ctr. Ft. Worth	17,037	0	17,037	0	0	0	0	0	0
199	Southern IL U. Carbondale	16,975	624	12,096	91	874	536	158	1,156	1,440
200	U. MO-Kansas City	16,960	0	12,551	182	1,122	2,668	109	0	328
	All other sampled institutions	1,297,895	116,789	496,272	81,252	210,653	63,348	58,249	41,825	229,507

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$649 million in federally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE 38. Nonfederal R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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	16,583,285	820,973	9,912,510	531,479	1,030,539	214,900	984,094	476,766	2,612,024
1	U. WI Madison	320,517	12,646	231,587	4,350	14,690	5,335	18,497	157	33,255
2	U. CA, Los Angeles	315,736	3,039	235,849	5,085	13,800	2,928	27,194	5,450	22,391
3	U. CA, San Francisco	315,456	0	309,036	0	6,420	0	0	0	0
4	OH State U. all campuses	314,870	3,804	173,212	25,972	11,707	1,955	9,857	5,996	82,367
5	U. CA, Davis	306,975	18,782	221,506	1,793	7,360	1,004	19,520	3,849	33,161
6	U. FL	299,035	3,140	226,895	2,782	10,674	3,690	11,920	0	39,934
7	PA State U. all campuses	267,195	21,488	103,026	11,474	21,107	10,874	15,495	4,916	78,815
8	TX A&M U. all campuses	266,812	25,359	116,272	5,909	14,767	886	6,306	3,511	93,802
9	U. CA, Berkeley	263,591	4,369	84,957	2,323	22,403	3,254	41,620	17,958	86,707
10	U. CA, San Diego	257,089	48,595	127,171	22,193	14,238	1,609	7,985	915	34,383
11	U. MI all campuses	254,371	3,735	154,639	2,952	10,859	1,762	35,319	322	44,783
12	Duke U.	254,184	4,882	224,187	1,188	3,737	1,013	6,694	0	12,483
13	Cornell U. all campuses	241,110	2,055	146,552	12,141	29,110	3,794	17,917	0	29,541
14	U. AZ	237,422	4,476	128,441	3,425	58,166	1,505	11,869	51	29,489
15	U. MN all campuses	229,102	4,972	169,882	6,630	5,923	4,255	12,251	0	25,189
16	LA State U. all campuses	228,504	24,966	138,582	3,109	13,106	1,046	8,511	7,061	32,123
17	U. TX M. D. Anderson Cancer Ctr.	222,827	0	201,327	12,580	4,596	2,625	951	0	748
18	Purdue U. all campuses	214,635	1,736	103,196	5,307	6,026	1,782	12,127	8,484	75,977
19	U. GA	213,840	9,050	143,742	6,869	8,251	5,137	35,283	0	5,508
20	U. IL Urbana-Champaign	209,726	21,298	73,450	28,086	14,543	4,359	17,118	2,209	48,663
21	U. NE all campuses	203,910	1,238	142,696	5,474	7,667	4,345	10,235	13,817	18,438
22	NC State U.	193,468	9,419	102,889	8,670	16,138	0	4,772	4,018	47,562
23	U. PA	189,698	567	141,953	2,796	6,478	543	19,351	8,149	9,861
24	GA Institute of Technology all campuses	180,256	8,205	9,801	19,134	12,612	3,039	7,948	1,468	118,049
25	VA Polytechnic Institute and State U.	180,152	5,622	88,457	6,976	7,983	853	5,258	15	64,988
26	MI State U.	177,274	550	117,058	3,200	19,833	3,405	15,081	1,726	16,421
27	U. MD Baltimore	175,126	0	175,126	0	0	0	0	0	0
28	Rutgers, The State U. NJ all campuses	171,922	17,280	83,393	8,857	14,049	6,130	21,128	2,237	18,848
29	Johns Hopkins U., The <sup>a</sup>	166,500	2,051	125,567	3,435	2,441	586	1,323	18,989	12,108
30	U. KY all campuses	163,859	1,748	116,449	2,847	3,646	1,041	4,879	7,451	25,798
31	Baylor C. of Medicine	158,056	0	158,056	0	0	0	0	0	0
32	U. TX Austin	156,452	24,522	14,082	14,918	25,229	793	15,236	1,336	60,336
33	SUNY Albany	155,767	3,702	13,893	1,549	43,094	312	8,417	0	84,800
34	Northwestern U.	143,129	224	107,149	1,269	5,216	859	5,657	3,888	18,867
35	U. MD College Park	142,640	1,605	36,513	14,059	17,800	278	40,559	0	31,826

TABLE 38. Nonfederal R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
36	Stanford U.	140,222	8,243	79,510	2,847	7,741	1,165	7,679	0	33,037
37	IN U. all campuses	135,609	1,741	79,702	3,866	20,522	2,184	18,045	7,760	1,789
38	U. TN all campuses	134,695	3,050	69,281	5,042	6,039	157	9,082	13,486	28,558
39	Washington U. St. Louis	131,147	2,228	111,153	3,748	3,748	1,576	1,838	23	6,833
40	U. MO-Columbia	124,680	843	93,470	814	2,995	2,413	8,145	0	16,000
41	MA Institute of Technology	123,507	3,347	24,792	14,882	4,778	113	4,852	13,443	57,300
42	U. NC Chapel Hill	120,739	9,600	88,963	3,930	5,295	1,296	11,655	0	0
43	U. IL Chicago	120,116	1,505	82,919	8,063	4,394	2,190	7,134	5,493	8,418
44	U. TX Southwestern Medical Ctr. Dallas	118,743	0	118,743	0	0	0	0	0	0
45	Clemson U.	118,298	0	35,237	2,921	5,860	317	6,536	18,969	48,458
46	U. IA	117,790	1,409	86,505	772	4,644	868	4,079	540	18,973
47	U. South FL	116,638	9,568	81,441	964	2,471	2,740	3,617	146	15,691
48	SUNY Buffalo all campuses	115,381	1,004	82,131	5,120	5,789	2,578	2,813	268	15,678
49	U. CA, Irvine	115,239	2,039	68,840	5,881	9,311	1,815	7,155	662	19,536
50	U. Southern CA	114,910	4,836	73,384	7,090	4,506	929	6,320	1,369	16,476
51	Rockefeller U.	113,167	0	105,168	5,541	2,458	0	0	0	0
52	IA State U.	111,540	1,963	62,500	8,551	4,316	634	7,608	2,817	23,151
53	Case Western Reserve U.	111,133	144	88,493	25	2,029	103	172	0	20,167
54	Wayne State U.	105,750	23	81,446	1,049	6,061	952	4,691	3,659	7,869
55	WA State U.	102,455	1,861	67,067	593	3,841	650	12,317	4,591	11,535
56	U. WA	101,202	9,319	64,317	344	4,942	857	10,002	0	11,421
57	Yale U.	98,916	826	81,095	1,435	4,767	2,263	3,867	0	4,663
58	U. CA Office of the President	96,726	11,877	59,219	2,174	18,260	0	165	4,653	378
59	U. of Medicine and Dentistry NJ	96,539	0	96,539	0	0	0	0	0	0
60	MS State U.	95,360	889	61,561	4,387	4,817	1,705	4,231	1,798	15,972
61	U. Pittsburgh all campuses	90,662	51	78,388	917	2,461	614	725	2,992	4,514
62	U. Rochester	87,840	77	70,735	270	1,390	3,275	115	299	11,679
63	SUNY Stony Brook all campuses	86,508	8,472	48,388	4,219	10,616	1,031	2,043	831	10,908
64	U. OK all campuses	85,887	18,828	40,110	1,838	8,046	554	5,745	0	10,766
65	U. CT all campuses	85,635	2,252	66,271	991	1,738	3,029	4,420	420	6,514
66	NY U.	84,416	247	73,945	964	2,486	2,682	3,717	375	0
67	U. Cincinnati all campuses	83,382	626	60,665	491	3,345	1,177	2,737	1,718	12,623
68	Princeton U.	82,338	6,855	13,850	5,141	9,387	1,672	23,024	0	22,409
69	Columbia U. in the City of NY	82,236	2,507	54,135	1,137	9,618	70	5,003	3,976	5,790
70	CO State U.	81,966	16,692	44,894	1,648	3,248	956	1,387	2,781	10,360

TABLE 38. Nonfederal R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
71	Auburn U. all campuses	80,884	1,219	57,082	325	886	66	1,341	3,948	16,017
72	U. KS all campuses	79,337	8,713	52,899	111	2,582	70	4,578	1,230	9,154
73	U. UT	76,039	3,485	44,964	6,773	6,207	363	2,074	0	12,173
74	AZ State U. main campus	72,378	421	25,312	3,193	10,058	1,606	8,156	1,810	21,822
75	OR State U.	71,279	6,496	54,587	413	1,008	13	1,569	323	6,870
76	U. CA, Riverside	69,302	8,626	44,482	1,788	1,555	218	484	1,387	10,762
77	Vanderbilt U.	68,739	46	46,994	113	1,716	1,993	842	10,564	6,471
78	Medical U. SC	68,513	0	68,392	0	0	0	0	0	121
79	U. CO all campuses	67,701	7,500	42,193	1,280	5,707	1,238	1,837	223	7,723
80	FL State U.	67,111	9,175	12,450	7,696	20,445	3,685	7,815	472	5,373
81	Emory U.	66,797	12	64,238	4	1,168	128	1,247	0	0
82	Scripps Research Institute, The	65,665	0	65,665	0	0	0	0	0	0
83	U. AR main campus	64,642	1,240	42,553	1,074	3,940	208	2,867	0	12,760
84	KS State U.	64,577	344	46,146	1,167	1,846	709	2,328	2,773	9,264
85	OK State U. all campuses	62,799	696	41,549	557	2,589	413	4,731	2,454	9,810
86	U. Central FL	62,689	7,289	5,952	681	15,628	178	4,210	10,983	17,768
87	U. Louisville	61,243	186	51,657	233	404	720	1,000	80	6,963
88	U. CA, Santa Barbara	61,059	14,893	1,013	2,335	7,984	499	6,854	2,591	24,890
89	U. MA Amherst	60,566	1,594	17,093	9,348	11,978	2,171	1,896	640	15,846
90	U. SC all campuses	57,117	9,728	17,909	1,126	6,857	1,922	4,044	3,768	11,763
91	U. TX Medical Branch	57,019	0	55,771	0	0	0	0	0	1,248
92	ND State U. all campuses	56,951	64	44,107	357	1,047	277	4,334	4,942	1,823
93	Dartmouth C.	56,765	745	39,686	1,690	4,188	1,993	634	2,147	5,682
94	U. WY	54,098	4,665	18,027	606	2,838	649	1,281	21,089	4,943
95	U. Miami	53,513	7,365	44,674	3	88	564	227	0	592
96	WV U.	52,909	2,404	37,591	568	1,479	120	1,949	236	8,562
97	Harvard U.	51,290	1,485	35,727	2	3,134	429	8,609	0	1,904
98	U. AK Fairbanks all campuses	49,851	26,707	13,251	1,571	5	0	449	4,076	3,792
99	OR Health & Science U.	49,542	0	25,745	2,567	0	0	0	21,230	0
100	U. NM all campuses	49,146	510	28,281	504	2,884	1,486	2,535	7,831	5,115
101	VA Commonwealth U.	48,783	145	42,506	112	1,719	1,509	1,059	0	1,733
102	U. Chicago	48,291	163	38,206	265	8,824	53	780	0	0
103	Brown U.	47,405	2,468	17,915	6,203	5,932	1,198	6,753	0	6,936
104	U. TX Health Science Ctr. San Antonio	47,250	0	47,250	0	0	0	0	0	0
105	U. ME	46,115	11,685	18,918	1,771	3,698	147	1,893	162	7,841

TABLE 38. Nonfederal R&amp;D expenditures at universities and colleges, ranked by nonfederal R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
106	U. MA Worcester	45,669	0	45,669	0	0	0	0	0	0
107	Tulane U.	44,331	375	40,230	541	694	196	547	35	1,713
108	U. ID	43,797	1,708	26,184	299	1,185	37	1,442	8,021	4,921
109	U. Houston	43,469	2,618	6,937	3,981	5,588	6,617	1,716	0	16,012
110	Wake Forest U.	43,467	0	42,734	48	318	0	367	0	0
111	U. CA, Santa Cruz	43,316	7,531	6,255	665	20,167	541	2,838	377	4,942
112	NJ Institute of Technology	41,204	0	0	4,412	3,149	0	144	14,256	19,243
113	Medical C. WI	40,681	0	40,681	0	0	0	0	0	0
114	U. HI Manoa	40,514	11,813	17,005	155	2,674	636	1,804	5,186	1,241
115	Southern IL U. Carbondale	40,459	1,269	23,959	397	1,040	416	1,486	2,424	9,468
116	TX A&M U. System Health Science Ctr.	40,213	0	39,857	2	25	0	84	0	245
117	U. TX Health Science Ctr. Houston	40,122	0	40,122	0	0	0	0	0	0
118	UT State U.	38,964	3,413	19,294	239	832	1,638	1,248	8,585	3,715
119	San Diego State U.	38,559	2,237	13,642	1,097	1,911	3,926	5,702	5,159	4,885
120	U. VA all campuses	38,335	528	25,354	867	1,823	835	395	67	8,466
121	MT State U. Bozeman	37,861	124	30,460	160	1,252	0	1,364	2,103	2,398
122	U. VT	35,814	173	31,982	650	254	174	81	1,640	860
123	U. DE	35,618	3,560	13,530	412	3,368	719	3,052	1,693	9,284
124	U. NV, Reno	35,250	3,101	19,560	534	583	97	775	7,329	3,271
125	U. Memphis, The	34,836	7,378	5,430	3,535	1,363	5,024	6,987	2,259	2,860
126	Yeshiva U.	34,750	0	34,750	0	0	0	0	0	0
127	TX Tech U.	34,552	2,847	11,738	328	3,320	69	5,579	590	10,081
128	Rush U.	34,543	0	33,634	0	0	909	0	0	0
129	NM State U. all campuses	34,180	630	15,079	409	2,995	139	806	104	14,018
130	Mt. Sinai School of Medicine	33,967	0	33,967	0	0	0	0	0	0
131	Tufts U.	32,828	504	19,470	599	402	1,741	8,238	0	1,874
132	U. AR for Medical Sciences	32,463	0	32,326	0	0	125	12	0	0
133	U. AL Birmingham, The	30,102	0	29,150	32	239	40	22	0	619
134	U. NH	29,725	4,934	14,663	360	265	0	1,135	821	7,547
135	Temple U.	29,075	14	18,199	165	1,936	4,335	2,202	0	2,224
136	George Washington U.	28,936	64	17,912	2,488	975	714	3,729	0	3,054
137	Uniformed Services U. of the Health Sciences	28,678	0	28,658	0	0	20	0	0	0
138	U. LA Lafayette	28,461	219	12,801	8,249	856	242	912	1,510	3,672
139	U. MD Ctr. for Environmental Science	27,169	27,169	0	0	0	0	0	0	0
140	Northeastern U.	26,990	13	7,027	1,319	5,344	1,888	2,645	0	8,754

TABLE 38. Nonfederal R&amp;D expenditures at universities and colleges, ranked by nonfederal R&amp;D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
141	Carnegie Mellon U.	26,395	0	882	9,481	2,818	589	1,831	1,126	9,668
142	NM Institute of Mining and Technology	25,877 i	9,220 i	441 i	223 i	1,392 i	2 i	0 i	2,421 i	12,178 i
143	Drexel U.	25,443	0	11,262	370	733	118	0	0	12,960
144	Medical C. GA	25,368	0	25,368	0	0	0	0	0	0
145	FL International U.	25,350	6,459	6,237	1,498	2,591	1,036	5,524	260	1,745
146	GA State U.	25,058	234	8,306	1,680	3,808	2,612	7,233	1,185	0
147	U. MD Biotechnology Institute	24,859	6,022	18,837	0	0	0	0	0	0
148	U. MS all campuses	24,310	0	20,024	37	2,359	121	762	3	1,004
149	Georgetown U.	23,610	0	14,536	0	89	70	8,915	0	0
150	C. of William and Mary all campuses	23,248	16,311	1,170	103	909	292	1,492	2,971	0
151	Rensselaer Polytechnic Institute	23,233	910	192	714	1,972	109	168	0	19,168
152	U. TX Dallas	23,178	650	3,362	4,896	2,587	143	905	197	10,438
153	Wichita State U.	23,137	16	387	70	674	155	281	0	21,554
154	Old Dominion U.	22,543	2,101	2,789	3,145	2,585	801	1,885	0	9,237
155	OH U. all campuses	22,493	668	7,420	201	3,661	556	921	0	9,066
156	Thomas Jefferson U.	21,217	0	21,217	0	0	0	0	0	0
157	MI Technological U.	20,428	2,877	755	1,174	1,332	0	603	670	13,017
158	U. of Notre Dame	20,194	0	3,045	210	1,276	107	3,061	8,115	4,380
159	Southern IL U. Edwardsville	19,840	1,980	3,295	853	2,485	0	3,434	4,812	2,981
160	Wright State U. all campuses	19,801	182	12,763	2,972	867	381	83	99	2,454
161	U. MT, The	18,252	368	8,898	187	507	146	900	7,244	2
162	SD State U.	18,128	10	15,744	0	95	0	1,174	0	1,105
163	U. RI	18,120	4,767	5,808	27	42	700	3	5,051	1,722
164	Boston U.	17,678	535	13,639	241	626	141	508	264	1,724
165	U. WI Milwaukee	16,855	3,916	3,216	455	2,929	241	2,942	236	2,920
166	U. Toledo	16,830	1,912	2,768	38	4,349	125	129	153	7,356
167	Woods Hole Oceanographic Institution	16,770	15,934	0	0	0	0	0	0	836
168	U. Akron all campuses	16,642	177	582	202	7,410	73	3,897	0	4,301
169	U. MO-Rolla	16,565	1,585	129	149	1,603	25	31	0	13,043
170	CA Institute of Technology	15,993	1,507	3,723	42	5,748	0	0	2,249	2,724
171	Lehigh U.	15,648	27	428	378	3,687	0	85	0	11,043
172	SUNY Binghamton	15,275	621	1,501	1,033	1,906	1,118	3,313	30	5,753
173	U. MD Baltimore County	15,090	215	587	231	348	861	4,964	5,374	2,510
174	Syracuse U. all campuses	15,075	291	203	3,879	202	48	1,283	5,324	3,845
175	U. ND all campuses	14,706	1,940	2,207	51	424	64	57	2,514	7,449

TABLE 38. Nonfederal R&D expenditures at universities and colleges, ranked by nonfederal R&D expenditures for the first 200 institutions, by science and engineering field: FY 2005

(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
176	CUNY Hunter C.	14,480	2,753	4,365	185	1,682	1,922	3,431	142	0
177	Brandeis U.	14,348	0	4,890	385	1,015	293	7,765	0	0
178	Creighton U.	14,339	0	14,272	32	8	0	27	0	0
179	U.S. Air Force Academy	14,273	0	409	2,079	890	225	312	0	10,358
180	U. MO-Kansas City	13,820	0	11,072	6	488	817	223	0	1,214
181	Boston C.	13,787	1,074	838	4,115	2,315	500	4,945	0	0
182	Eastern VA Medical School	13,752	0	13,752	0	0	0	0	0	0
183	U. NV, Las Vegas	12,401	1,299	2,264	29	302	0	4,731	0	3,776
184	U. AL Huntsville, The	12,243	2,471	671	1,259	2,172	13	309	74	5,274
185	TX Tech U. Health Science Ctr.	11,967	0	11,967	0	0	0	0	0	0
186	U. MA Boston	11,822	990	1,320	176	320	458	8,462	78	18
187	San Jose State U.	11,726	7,001	216	1,386	660	0	48	1,065	1,350
188	SUNY Upstate Medical U.	11,656	0	11,656	0	0	0	0	0	0
189	U. TX El Paso	11,447	534	2,672	510	497	196	468	117	6,453
190	FL Atlantic U.	11,432	1,417	3,399	1,053	3,046	45	1,177	0	1,295
191	U. TX Arlington	11,317	172	547	258	1,724	263	262	0	8,091
192	San Francisco State U.	11,198	3,488	1,301	37	91	500	5,698	0	83
193	CO School of Mines	10,998	889	0	51	648	0	11	0	9,399
194	LA Tech U.	10,496	33	1,434	1,356	914	286	565	0	5,908
195	Portland State U.	10,360	1,358	1,047	621	607	58	4,333	536	1,800
196	U. AL, The	10,138	631	953	2,108	1,471	49	1,013	133	3,780
197	Miami U. all campuses	10,012	134 i	1,993 i	0 i	2,338 i	339 i	2,123 i	2,730 i	355 i
198	Loyola U. Chicago	9,967	0	9,609	2	105	186	65	0	0
199	U. NC Wilmington	9,952	2,225	4,316	30	282	54	60	2,985	0
200	Air Force Institute of Technology	9,732	6	0	1,133	2,199	0	0	750	5,644
	All other sampled institutions	663,572	62,725	235,334	28,742	78,211	18,797	70,797	33,698	135,268

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$29 million in nonfederally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 39. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005

(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	30,812,481	2,064,488	17,796,240	1,210,183	2,488,450	608,424	1,324,256	578,630	4,741,810
1	U. MI all campuses	808,887	9,828	492,195	10,562	39,648	11,970	89,909	377	154,398
2	U. WI Madison	798,099	72,681	488,831	20,032	52,715	29,796	40,905	157	92,982
3	U. CA, Los Angeles	785,625	14,038	585,436	21,724	53,851	12,773	34,141	8,327	55,335
4	U. CA, San Francisco	754,444	0	728,403	0	26,041	0	0	0	0
5	U. CA, San Diego	721,035	125,519	381,402	69,112	51,400	6,993	12,607	1,039	72,963
6	U. WA	707,519	82,035	485,173	6,239	36,411	9,733	16,232	0	71,696
7	PA State U. all campuses	625,764	44,968	198,841	44,294	61,961	22,721	24,648	6,531	221,800
8	OH State U. all campuses	608,923	10,399	340,909	43,882	31,788	6,947	33,921	9,156	131,921
9	U. CA, Berkeley	554,551	9,425	183,129	8,823	120,957	8,805	48,971	22,158	152,283
10	U. MN all campuses	548,873	11,494	403,919	21,124	26,914	13,090	21,164	0	51,168
11	U. CA, Davis	546,978	26,354	404,872	8,063	21,533	2,000	22,262	5,136	56,758
12	U. FL	530,734	9,486	370,708	9,288	34,350	11,890	14,457	0	80,555
13	U. AZ	530,233	11,666	278,726	12,756	147,092	4,903	19,038	51	56,001
14	U. CO all campuses	517,067	106,955	282,598	9,643	58,784	11,799	10,031	1,821	35,436
15	U. Pittsburgh all campuses	510,943	793	440,596	5,659	20,281	7,847	3,923	11,876	19,968
16	U. IL Urbana-Champaign	499,711	38,638	134,291	108,562	52,413	12,594	22,623	5,133	125,457
17	TX A&M U. all campuses	479,735	89,551	171,899	17,393	37,523	2,940	8,759	4,497	147,173
18	U. NC Chapel Hill	441,033	23,272	339,452	13,976	23,398	5,999	34,936	0	0
19	GA Institute of Technology all campuses	425,386	14,359	17,666	60,826	29,469	5,018	10,090	2,386	285,572
20	U. TX Austin	410,981	38,858	48,211	58,077	83,371	8,693	29,057	4,451	140,263
21	U. TX M. D. Anderson Cancer Ctr.	383,780	0	344,804	17,543	9,041	7,851	2,817	0	1,724
22	Purdue U. all campuses	364,986	5,757	165,984	13,853	20,632	6,198	17,806	13,608	121,148
23	LA State U. all campuses	356,828	33,792	229,138	4,762	28,230	1,438	10,677	7,488	41,303
24	U. MD College Park	338,648	11,841	61,801	34,869	60,544	4,844	76,411	0	88,338
25	U. IA	334,144	2,746	265,701	3,357	17,611	6,971	5,511	540	31,707
26	MI State U.	333,735	1,441	205,932	8,367	54,666	6,861	28,063	2,039	26,366
27	U. NE all campuses	333,126	4,095	232,085	11,611	13,797	9,691	14,916	16,256	30,675
28	U. TX Southwestern Medical Ctr. Dallas	320,800	0	320,800	0	0	0	0	0	0
29	U. AL Birmingham, The	318,536	0	297,702	850	2,944	8,414	433	0	8,193
30	U. IL Chicago	318,279	3,855	239,554	16,605	13,219	6,671	11,748	8,060	18,567
31	U. GA	316,806	13,694	222,793	8,737	13,444	13,020	38,593	0	6,525
32	Rutgers, The State U. NJ all campuses	309,531	29,835	153,739	17,347	37,725	10,773	27,271	2,237	30,604
33	IN U. all campuses	307,137	3,987	208,902	11,055	36,476	11,152	24,596	8,132	2,837
34	U. KY all campuses	306,653	4,059	214,451	9,685	10,084	6,294	6,939	10,795	44,346
35	U. MD Baltimore	304,396	0	304,396	0	0	0	0	0	0

TABLE 39. R&amp;D expenditures at public universities and colleges, ranked by all R&amp;D expenditures for the first 150 institutions, by science and engineering field: FY 2005

(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
36	NC State U.	302,596	15,976	145,877	20,246	26,469	0	7,299	4,957	81,772
37	VA Polytechnic Institute and State U.	289,994	10,332	129,454	11,710	14,786	2,307	8,399	55	112,951
38	U. Cincinnati all campuses	286,036	754	244,581	564	6,646	1,941	3,655	1,718	26,177
39	U. CA, Irvine	276,763	5,034	180,436	14,583	27,105	3,960	10,979	745	33,921
40	SUNY Buffalo all campuses	267,271	2,060	191,492	10,529	13,792	5,489	3,978	268	39,663
41	OR Health & Science U.	266,687	0	226,827	18,630	0	0	0	21,230	0
42	SUNY Albany	259,708	7,060	102,721	3,643	45,404	1,174	13,335	0	86,371
43	U. South FL	259,218	34,191	172,849	1,032	5,227	7,255	5,158	789	32,717
44	U. TN all campuses	255,699	5,191	143,820	10,625	17,985	422	10,980	16,733	49,943
45	U. UT	244,691	8,810	163,694	18,049	20,030	2,897	2,325	0	28,886
46	U. of Medicine and Dentistry NJ	239,778	0	239,778	0	0	0	0	0	0
47	U. VA all campuses	239,061	4,166	164,223	8,627	16,968	7,026	2,046	972	35,033
48	CO State U.	236,211	82,240	101,279	4,844	11,405	4,812	3,135	3,521	24,975
49	U. HI Manoa	230,651	60,485	84,326	18,922	29,343	739	5,698	20,319	10,819
50	Wayne State U.	226,331	85	178,254	2,188	14,320	4,705	5,923	3,715	17,141
51	U. MO-Columbia	220,718	2,158	166,138	3,397	6,812	7,647	12,346	0	22,220
52	U. CT all campuses	219,982	9,004	156,803	4,040	7,682	15,152	7,813	557	18,931
53	SUNY Stony Brook all campuses	212,289	22,078	118,250	10,476	30,384	5,302	2,854	831	22,114
54	IA State U.	209,545	6,429	106,565	16,140	11,302	1,001	16,384	3,571	48,153
55	U. KS all campuses	190,105	12,224	135,960	1,274	11,198	835	9,459	2,208	16,947
56	WA State U.	182,677	3,297	110,356	1,142	15,624	2,105	17,735	6,542	25,876
57	OR State U.	180,309	41,170	103,729	4,337	4,230	168	2,460	2,447	21,768
58	MS State U.	179,825	4,659	97,315	8,805	10,070	4,993	6,098	6,873	41,012
59	U. NM all campuses	178,703	4,486	108,297	5,328	11,242	10,304	4,905	10,534	23,607
60	Medical U. SC	176,709	0	176,588	0	0	0	0	0	121
61	U. MA Worcester	176,349	0	176,349	0	0	0	0	0	0
62	Clemson U.	175,127	0	49,709	4,131	11,416	1,232	11,207	19,015	78,417
63	U. TX Medical Branch	174,254	0	171,114	0	0	0	0	0	3,140
64	U. OK all campuses	173,663	32,729	97,497	2,869	13,417	1,746	8,146	0	17,259
65	FL State U.	172,858	23,976	29,859	14,252	47,794	12,923	14,626	472	28,956
66	AZ State U. main campus	166,923	11,476	45,181	9,455	23,607	9,565	13,222	3,902	50,515
67	U. CA, Santa Barbara	165,014	27,685	5,169	11,730	25,153	3,266	12,064	6,135	73,812
68	U. TX Health Science Ctr. Houston	152,631	0	152,631	0	0	0	0	0	0
69	VA Commonwealth U.	146,105	590	125,944	547	5,954	5,126	1,654	0	6,290
70	U. TX Health Science Ctr. San Antonio	142,375	0	142,375	0	0	0	0	0	0



TABLE 39. R&amp;D expenditures at public universities and colleges, ranked by all R&amp;D expenditures for the first 150 institutions, by science and engineering field: FY 2005

(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
71	U. AK Fairbanks all campuses	139,488	75,857	29,679	10,245	58	150	868	9,193	13,438
72	Auburn U. all campuses	132,203	2,313	80,632	585	5,861	621	2,495	6,011	33,685
73	UT State U.	131,624	6,648	47,663	1,258	4,301	3,384	2,208	11,408	54,754
74	U. Louisville	128,347	586	105,077	540	2,038	3,808	1,522	96	14,680
75	U. MA Amherst	127,487	3,888	37,850	20,679	30,336	5,475	2,781	640	25,838
76	NM State U. all campuses	125,427	1,270	29,198	3,032	12,453	909	3,724	864	73,977
77	KS State U.	123,398	585	80,444	4,098	10,302	1,066	3,943	5,326	17,634
78	U. CA, Riverside	122,221	13,010	66,421	3,683	8,599	2,123	1,285	1,387	25,713
79	U. SC all campuses	122,212	20,960	39,742	3,476	14,032	6,246	7,391	4,057	26,308
80	U. VT	115,693	786	102,016	1,711	1,505	1,355	131	6,275	1,914
81	WV U.	115,398	7,117	71,207	1,208	5,262	224	3,063	384	26,933
82	U. DE	110,339	12,229	26,600	2,382	17,308	3,817	6,394	4,601	37,008
83	MT State U. Bozeman	109,465	1,443	70,876	1,215	14,252	0	3,261	7,323	11,095
84	U. NH	108,378	48,313	26,760	1,330	5,361	114	4,367	1,150	20,983
85	U. CA, Santa Cruz	105,617	18,801	13,424	2,377	37,919	910	3,443	377	28,366
86	ND State U. all campuses	103,011	181	56,939	1,297	13,116	2,714	10,806	6,232	11,726
87	U. Central FL	102,702	14,866	11,222	1,083	26,498	1,706	4,672	15,431	27,224
88	OK State U. all campuses	99,436	1,472	59,077	886	5,637	428	6,140	5,155	20,641
89	U. AR main campus	98,138	2,802	56,408	1,261	12,096	291	3,862	0	21,418
90	U. CA Office of the President	97,245	11,877	59,470	2,174	18,260	0	165	4,921	378
91	U. NV, Reno	95,579	9,576	52,114	1,896	10,393	350	1,350	7,537	12,363
92	U. MS all campuses	91,913	0	64,436	204	18,720	121	851	42	7,539
93	U. AR for Medical Sciences	91,516	0	90,987	0	0	517	12	0	0
94	U. ID	91,009	4,449	53,851	1,580	4,032	133	1,895	9,511	15,558
95	U. WY	83,449	10,393	33,885	1,266	5,055	1,256	2,151	21,572	7,871
96	Temple U.	83,062	99	56,742	781	5,280	12,586	3,101	0	4,473
97	U. Houston	80,731	3,998	18,425	8,040	9,288	13,249	4,905	0	22,826
98	Uniformed Services U. of the Health Sciences	78,694	0	78,608	0	0	86	0	0	0
99	NJ Institute of Technology	76,920	0	0	6,939	9,659	0	192	19,622	40,508
100	FL International U.	76,678	19,537	18,864	4,532	7,838	3,134	16,708	787	5,278
101	U. ME	75,066	20,311	26,774	2,110	9,334	792	2,673	561	12,511
102	San Diego State U.	73,887	4,179	30,843	1,365	3,199	8,776	6,422	5,205	13,898
103	TX A&M U. System Health Science Ctr.	73,162	550	70,696	2	25	101	84	0	1,704
104	Medical C. GA	67,278	0	67,278	0	0	0	0	0	0
105	U. RI	60,252	23,764	17,847	680	739	2,472	22	9,150	5,578

TABLE 39. R&amp;D expenditures at public universities and colleges, ranked by all R&amp;D expenditures for the first 150 institutions, by science and engineering field: FY 2005

(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
106	U. MD Baltimore County	58,467	15,900	11,175	1,623	5,691	1,758	7,425	6,091	8,804
107	Southern IL U. Carbondale	57,434	1,893	36,055	488	1,914	952	1,644	3,580	10,908
108	TX Tech U.	56,623	7,423	17,174	999	6,412	280	7,825	590	15,920
109	U. MD Biotechnology Institute	56,135	11,297	44,838	0	0	0	0	0	0
110	U. MT, The	54,685	1,485	36,797	1,034	3,872	718	3,531	7,244	4
111	U. AL Huntsville, The	54,601	7,759	1,825	8,409	8,733	67	1,061	75	26,672
112	U. OR	52,657	2,474	27,504	3,212	7,423	6,914	4,366	0	764
113	Naval Postgraduate School	51,343	10,585	0	9,438	4,343	0	2,927	8,519	15,531
114	GA State U.	50,262	381	17,160	2,409	7,170	11,182	10,750	1,210	0
115	C. of William and Mary all campuses	50,146	31,777	2,300	1,445	6,077	440	2,076	6,031	0
116	U. Memphis, The	49,961	8,800	7,385	4,663	1,846	11,658	9,820	2,259	3,530
117	U. NV, Las Vegas	48,343	15,133	6,923	356	4,226	0	9,297	0	12,408
118	Old Dominion U.	47,006	4,223	4,029	4,093	4,614	1,439	2,180	0	26,428
119	U. ND all campuses	46,798	6,510	14,626	80	1,156	136	68	2,902	21,320
120	U. LA Lafayette	44,620	233	24,391	8,861	897	259	1,061	4,258	4,660
121	OH U. all campuses	43,229	1,445	11,747	327	8,048	1,776	1,672	0	18,214
122	U. TX Dallas	43,111	3,363	8,465	8,405	8,569	545	1,026	495	12,243
123	George Mason U.	42,630	9,321	5,329	7,122	1,285	2,809	10,151	0	6,613
124	U. MD Ctr. for Environmental Science	41,022	41,022	0	0	0	0	0	0	0
125	NM Institute of Mining and Technology	40,512 i	10,550 i	1,165 i	381 i	2,517 i	2 i	0 i	6,921 i	18,976 i
126	Wright State U. all campuses	40,328	345	25,393	4,664	2,268	1,226	114	99	6,219
127	MI Technological U.	40,188	8,399	1,063	2,485	2,723	0	697	670	24,151
128	U. MO-Rolla	38,337	4,620	664	459	3,810	25	31	0	28,728
129	U. Southern MS	37,881	13,806	7,145	272	9,968	171	1,156	3,421	1,942
130	Jackson State U.	35,876	5,422	11,151	5,028	4,518	1,058	186	6,779	1,734
131	U. PR Medical Sciences Campus	35,809	0	35,809	0	0	0	0	0	0
132	SUNY Upstate Medical U.	34,931	0	34,931	0	0	0	0	0	0
133	Desert Research Institute	34,570	29,248	1,945	0	0	0	2,234	1,143	0
134	U. AL, The	34,531	2,011	3,578	4,133	4,590	2,472	2,883	144	14,720
135	CUNY Hunter C.	33,024	2,997	11,859	404	6,996	6,977	3,649	142	0
136	San Jose State U.	32,886	14,693	458	1,503	2,064	9,787	304	1,065	3,012
137	U. WI Milwaukee	32,748	7,001	5,866	1,298	6,239	879	6,247	236	4,982
138	Wichita State U.	32,726	49	1,075	264	1,772	290	585	0	28,691
139	U. Toledo	32,351	3,968	6,399	51	8,013	273	197	153	13,297
140	SD State U.	32,042	99	26,556	18	513	0	2,050	82	2,724

TABLE 39. R&D expenditures at public universities and colleges, ranked by all R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005

(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
141	U. MO-Kansas City	30,780	0	23,623	188	1,610	3,485	332	0	1,542
142	SUNY Health Science Ctr. Brooklyn	29,732	0	29,732	0	0	0	0	0	0
143	U.S. Air Force Academy	29,438	0	750	3,204	3,498	225	524	0	21,237
144	U. TX Arlington	28,971	344	1,366	528	5,172	1,450	499	0	19,612
145	Portland State U.	28,940	4,945	4,545	2,948	2,281	183	10,590	536	2,912
146	CUNY The City C.	27,471	423	7,237	872	10,179	410	126	0	8,224
147	FL Atlantic U.	27,388	1,825	8,266	2,115	5,430	636	1,228	0	7,888
148	U. Akron all campuses	26,888	467	2,223	657	11,114	133	4,906	0	7,388
149	U. TX El Paso	26,825	2,876	8,221	1,430	2,917	1,044	734	126	9,477
150	CO School of Mines	26,499	2,427	0	860	5,286	0	29	0	17,897
	All other sampled institutions	1,263,949	131,323	514,963	68,751	160,262	37,070	107,850	58,681	185,049

i = data point imputed.

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 40. Federally financed R&D expenditures at public universities and colleges, ranked by federal R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005  
(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	17,876,292	1,326,684	10,380,571	788,297	1,648,055	434,532	533,233	191,753	2,573,167
1	U. WA	606,317	72,716	420,856	5,895	31,469	8,876	6,230	0	60,275
2	U. MI all campuses	554,516	6,093	337,556	7,610	28,789	10,208	54,590	55	109,615
3	U. WI Madison	477,582	60,035	257,244	15,682	38,025	24,461	22,408	0	59,727
4	U. CA, Los Angeles	469,889	10,999	349,587	16,639	40,051	9,845	6,947	2,877	32,944
5	U. CA, San Diego	463,946	76,924	254,231	46,919	37,162	5,384	4,622	124	38,580
6	U. CO all campuses	449,366	99,455	240,405	8,363	53,077	10,561	8,194	1,598	27,713
7	U. CA, San Francisco	438,988	0	419,367	0	19,621	0	0	0	0
8	U. Pittsburgh all campuses	420,281	742	362,208	4,742	17,820	7,233	3,198	8,884	15,454
9	PA State U. all campuses	358,569	23,480	95,815	32,820	40,854	11,847	9,153	1,615	142,985
10	U. NC Chapel Hill	320,294	13,672	250,489	10,046	18,103	4,703	23,281	0	0
11	U. MN all campuses	319,771	6,522	234,037	14,494	20,991	8,835	8,913	0	25,979
12	OH State U. all campuses	294,053	6,595	167,697	17,910	20,081	4,992	24,064	3,160	49,554
13	U. AZ	292,811	7,190	150,285	9,331	88,926	3,398	7,169	0	26,512
14	U. CA, Berkeley	290,960	5,056	98,172	6,500	98,554	5,551	7,351	4,200	65,576
15	U. IL Urbana-Champaign	289,985	17,340	60,841	80,476	37,870	8,235	5,505	2,924	76,794
16	U. AL Birmingham, The	288,434	0	268,552	818	2,705	8,374	411	0	7,574
17	U. TX Austin	254,529	14,336	34,129	43,159	58,142	7,900	13,821	3,115	79,927
18	GA Institute of Technology all campuses	245,130	6,154	7,865	41,692	16,857	1,979	2,142	918	167,523
19	U. CA, Davis	240,003	7,572	183,366	6,270	14,173	996	2,742	1,287	23,597
20	U. FL	231,699	6,346	143,813	6,506	23,676	8,200	2,537	0	40,621
21	OR Health & Science U.	217,145	0	201,082	16,063	0	0	0	0	0
22	U. IA	216,354	1,337	179,196	2,585	12,967	6,103	1,432	0	12,734
23	TX A&M U. all campuses	212,923	64,192	55,627	11,484	22,756	2,054	2,453	986	53,371
24	U. Cincinnati all campuses	202,654	128	183,916	73	3,301	764	918	0	13,554
25	U. TX Southwestern Medical Ctr. Dallas	202,057	0	202,057	0	0	0	0	0	0
26	U. VA all campuses	200,726	3,638	138,869	7,760	15,145	6,191	1,651	905	26,567
27	U. IL Chicago	198,163	2,350	156,635	8,542	8,825	4,481	4,614	2,567	10,149
28	U. MD College Park	196,008	10,236	25,288	20,810	42,744	4,566	35,852	0	56,512
29	U. HI Manoa	190,137	48,672	67,321	18,767	26,669	103	3,894	15,133	9,578
30	IN U. all campuses	171,528	2,246	129,200	7,189	15,954	8,968	6,551	372	1,048
31	U. UT	168,652	5,325	118,730	11,276	13,823	2,534	251	0	16,713
32	U. CA, Irvine	161,524	2,995	111,596	8,702	17,794	2,145	3,824	83	14,385
33	U. TX M. D. Anderson Cancer Ctr.	160,953	0	143,477	4,963	4,445	5,226	1,866	0	976
34	MI State U.	156,461	891	88,874	5,167	34,833	3,456	12,982	313	9,945
35	CO State U.	154,245	65,548	56,385	3,196	8,157	3,856	1,748	740	14,615

TABLE 40. Federally financed R&D expenditures at public universities and colleges, ranked by federal R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005  
(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
36	SUNY Buffalo all campuses	151,890	1,056	109,361	5,409	8,003	2,911	1,165	0	23,985
37	Purdue U. all campuses	150,351	4,021	62,788	8,546	14,606	4,416	5,679	5,124	45,171
38	U. of Medicine and Dentistry NJ	143,239	0	143,239	0	0	0	0	0	0
39	U. KY all campuses	142,794	2,311	98,002	6,838	6,438	5,253	2,060	3,344	18,548
40	U. South FL	142,580	24,623	91,408	68	2,756	4,515	1,541	643	17,026
41	Rutgers, The State U. NJ all campuses	137,609	12,555	70,346	8,490	23,676	4,643	6,143	0	11,756
42	U. CT all campuses	134,347	6,752	90,532	3,049	5,944	12,123	3,393	137	12,417
43	U. MA Worcester	130,680	0	130,680	0	0	0	0	0	0
44	U. NM all campuses	129,557	3,976	80,016	4,824	8,358	8,818	2,370	2,703	18,492
45	U. MD Baltimore	129,270	0	129,270	0	0	0	0	0	0
46	U. NE all campuses	129,216	2,857	89,389	6,137	6,130	5,346	4,681	2,439	12,237
47	LA State U. all campuses	128,324	8,826	90,556	1,653	15,124	392	2,166	427	9,180
48	SUNY Stony Brook all campuses	125,781	13,606	69,862	6,257	19,768	4,271	811	0	11,206
49	U. TN all campuses	121,004	2,141	74,539	5,583	11,946	265	1,898	3,247	21,385
50	Wayne State U.	120,581	62	96,808	1,139	8,259	3,753	1,232	56	9,272
51	U. TX Medical Branch	117,235	0	115,343	0	0	0	0	0	1,892
52	U. TX Health Science Ctr. Houston	112,509	0	112,509	0	0	0	0	0	0
53	U. KS all campuses	110,768	3,511	83,061	1,163	8,616	765	4,881	978	7,793
54	VA Polytechnic Institute and State U.	109,842	4,710	40,997	4,734	6,803	1,454	3,141	40	47,963
55	NC State U.	109,128	6,557	42,988	11,576	10,331	0	2,527	939	34,210
56	OR State U.	109,030	34,674	49,142	3,924	3,222	155	891	2,124	14,898
57	Medical U. SC	108,196	0	108,196	0	0	0	0	0	0
58	FL State U.	105,747	14,801	17,409	6,556	27,349	9,238	6,811	0	23,583
59	U. CA, Santa Barbara	103,955	12,792	4,156	9,395	17,169	2,767	5,210	3,544	48,922
60	SUNY Albany	103,941	3,358	88,828	2,094	2,310	862	4,918	0	1,571
61	U. GA	102,966	4,644	79,051	1,868	5,193	7,883	3,310	0	1,017
62	IA State U.	98,005	4,466	44,065	7,589	6,986	367	8,776	754	25,002
63	VA Commonwealth U.	97,322	445	83,438	435	4,235	3,617	595	0	4,557
64	U. MO-Columbia	96,038	1,315	72,668	2,583	3,817	5,234	4,201	0	6,220
65	U. TX Health Science Ctr. San Antonio	95,125	0	95,125	0	0	0	0	0	0
66	AZ State U. main campus	94,545	11,055	19,869	6,262	13,549	7,959	5,066	2,092	28,693
67	UT State U.	92,660	3,235	28,369	1,019	3,469	1,746	960	2,823	51,039
68	NM State U. all campuses	91,247	640	14,119	2,623	9,458	770	2,918	760	59,959
69	U. AK Fairbanks all campuses	89,637	49,150	16,428	8,674	53	150	419	5,117	9,646
70	U. OK all campuses	87,776	13,901	57,387	1,031	5,371	1,192	2,401	0	6,493

TABLE 40. Federally financed R&D expenditures at public universities and colleges, ranked by federal R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005  
(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
71	MS State U.	84,465	3,770	35,754	4,418	5,253	3,288	1,867	5,075	25,040
72	WA State U.	80,222	1,436	43,289	549	11,783	1,455	5,418	1,951	14,341
73	U. VT	79,879	613	70,034	1,061	1,251	1,181	50	4,635	1,054
74	U. NH	78,653	43,379	12,097	970	5,096	114	3,232	329	13,436
75	U. DE	74,721	8,669	13,070	1,970	13,940	3,098	3,342	2,908	27,724
76	MT State U. Bozeman	71,604	1,319	40,416	1,055	13,000	0	1,897	5,220	8,697
77	U. MS all campuses	67,603	0	44,412	167	16,361	0	89	39	6,535
78	U. Louisville	67,104	400	53,420	307	1,634	3,088	522	16	7,717
79	U. MA Amherst	66,921	2,294	20,757	11,331	18,358	3,304	885	0	9,992
80	U. SC all campuses	65,095	11,232	21,833	2,350	7,175	4,324	3,347	289	14,545
81	WV U.	62,489	4,713	33,616	640	3,783	104	1,114	148	18,371
82	U. CA, Santa Cruz	62,301	11,270	7,169	1,712	17,752	369	605	0	23,424
83	U. NV, Reno	60,329	6,475	32,554	1,362	9,810	253	575	208	9,092
84	U. AR for Medical Sciences	59,053	0	58,661	0	0	392	0	0	0
85	KS State U.	58,821	241	34,298	2,931	8,456	357	1,615	2,553	8,370
86	Clemson U.	56,829	0	14,472	1,210	5,556	915	4,671	46	29,959
87	Temple U.	53,987	85	38,543	616	3,344	8,251	899	0	2,249
88	U. CA, Riverside	52,919	4,384	21,939	1,895	7,044	1,905	801	0	14,951
89	FL International U.	51,328	13,078	12,627	3,034	5,247	2,098	11,184	527	3,533
90	Auburn U. all campuses	51,319	1,094	23,550	260	4,975	555	1,154	2,063	17,668
91	Uniformed Services U. of the Health Sciences	50,016	0	49,950	0	0	66	0	0	0
92	U. ID	47,212	2,741	27,667	1,281	2,847	96	453	1,490	10,637
93	ND State U. all campuses	46,060	117	12,832	940	12,069	2,437	6,472	1,290	9,903
94	U. OR	43,564	2,209	22,730	3,042	6,460	5,971	3,018	0	134
95	U. MD Baltimore County	43,377	15,685	10,588	1,392	5,343	897	2,461	717	6,294
96	Naval Postgraduate School	43,079	9,558	0	8,556	3,752	0	2,352	7,098	11,763
97	U. AL Huntsville, The	42,358	5,288	1,154	7,150	6,561	54	752	1	21,398
98	U. RI	42,132	18,997	12,039	653	697	1,772	19	4,099	3,856
99	Medical C. GA	41,910	0	41,910	0	0	0	0	0	0
100	U. Central FL	40,013	7,577	5,270	402	10,870	1,528	462	4,448	9,456
101	U. Houston	37,262	1,380	11,488	4,059	3,700	6,632	3,189	0	6,814
102	OK State U. all campuses	36,637	776	17,528	329	3,048	15	1,409	2,701	10,831
103	George Mason U.	36,475	8,840	4,318	6,888	1,194	2,054	7,452	0	5,729
104	U. MT, The	36,433	1,117	27,899	847	3,365	572	2,631	0	2
105	U. NV, Las Vegas	35,942	13,834	4,659	327	3,924	0	4,566	0	8,632

TABLE 40. Federally financed R&D expenditures at public universities and colleges, ranked by federal R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005  
(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
106	NJ Institute of Technology	35,716	0	0	2,527	6,510	0	48	5,366	21,265
107	San Diego State U.	35,328	1,942	17,201	268	1,288	4,850	720	46	9,013
108	U. Southern MS	34,941	13,389	6,946	272	8,301	109	1,127	3,030	1,767
109	U. AR main campus	33,496	1,562	13,855	187	8,156	83	995	0	8,658
110	TX A&M U. System Health Science Ctr.	32,949	550	30,839	0	0	101	0	0	1,459
111	U. ND all campuses	32,092	4,570	12,419	29	732	72	11	388	13,871
112	U. MD Biotechnology Institute	31,276	5,275	26,001	0	0	0	0	0	0
113	Jackson State U.	30,472	4,605	9,472	4,270	3,837	899	158	5,758	1,473
114	U. PR Medical Sciences Campus	29,863	0	29,863	0	0	0	0	0	0
115	U. WY	29,351	5,728	15,858	660	2,217	607	870	483	2,928
116	U. ME	28,951	8,626	7,856	339	5,636	645	780	399	4,670
117	Desert Research Institute	28,655	23,728	1,713	0	0	0	2,108	1,106	0
118	C. of William and Mary all campuses	26,898	15,466	1,130	1,342	5,168	148	584	3,060	0
119	GA State U.	25,204	147	8,854	729	3,362	8,570	3,517	25	0
120	Old Dominion U.	24,463	2,122	1,240	948	2,029	638	295	0	17,191
121	U. AL, The	24,393	1,380	2,625	2,025	3,119	2,423	1,870	11	10,940
122	SUNY Health Science Ctr. Brooklyn	23,466	0	23,466	0	0	0	0	0	0
123	SUNY Upstate Medical U.	23,275	0	23,275	0	0	0	0	0	0
124	FL A&M U.	22,378	3,247	14,134	222	1,654	11	0	0	3,110
125	CUNY The City C.	22,289	112	6,862	779	7,787	374	70	0	6,305
126	TX Tech U.	22,071	4,576	5,436	671	3,092	211	2,246	0	5,839
127	U. MO-Rolla	21,772	3,035	535	310	2,207	0	0	0	15,685
128	San Jose State U.	21,160	7,692	242	117	1,404	9,787	256	0	1,662
129	OH U. all campuses	20,736	777	4,327	126	4,387	1,220	751	0	9,148
130	Wright State U. all campuses	20,527	163	12,630	1,692	1,401	845	31	0	3,765
131	U. TX Dallas	19,933	2,713	5,103	3,509	5,982	402	121	298	1,805
132	MI Technological U.	19,760	5,522	308	1,311	1,391	0	94	0	11,134
133	Marshall U.	18,660	0	10,141	5	80	0	19	0	8,415
134	Portland State U.	18,580	3,587	3,498	2,327	1,674	125	6,257	0	1,112
135	CUNY Hunter C.	18,544	244	7,494	219	5,314	5,055	218	0	0
136	U. TX Arlington	17,654	172	819	270	3,448	1,187	237	0	11,521
137	U. MA Lowell	17,608	2,272	3,047	387	6,269	78	1,598	253	3,704
138	U. North TX Health Science Ctr. Ft. Worth	17,037	0	17,037	0	0	0	0	0	0
139	Southern IL U. Carbondale	16,975	624	12,096	91	874	536	158	1,156	1,440
140	U. MO-Kansas City	16,960	0	12,551	182	1,122	2,668	109	0	328

TABLE 40. Federally financed R&D expenditures at public universities and colleges, ranked by federal R&D expenditures for the first 150 institutions, by science and engineering field: FY 2005  
(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
141	U. South AL	16,538	1,231	12,721	168	123	190	874	0	1,231
142	NC Agricultural and Technical State U.	16,348	0	5,475	531	833	0	885	0	8,624
143	U. LA Lafayette	16,159	14	11,590	612	41	17	149	2,748	988
144	FL Atlantic U.	15,956	408	4,867	1,062	2,384	591	51	0	6,593
145	U. TX San Antonio	15,924	335	9,520	3,253	562	187	522	0	1,545
146	U. WI Milwaukee	15,893	3,085	2,650	843	3,310	638	3,305	0	2,062
147	U. Toledo	15,521	2,056	3,631	13	3,664	148	68	0	5,941
148	CO School of Mines	15,501	1,538	0	809	4,638	0	18	0	8,498
149	U. SD	15,448	109	13,769	169	991	208	202	0	0
150	U. TX El Paso	15,378	2,342	5,549	920	2,420	848	266	9	3,024
	All other sampled institutions	756,533	88,344	284,671	48,431	113,702	30,026	41,664	30,619	119,076

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE 41. R&amp;D expenditures at private universities and colleges, ranked by all R&amp;D expenditures for the first 100 institutions, by science and engineering field: FY 2005

(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	14,937,932	481,798	9,807,123	690,346	1,215,685	217,477	351,242	188,330	1,985,931
1	Johns Hopkins U., The <sup>a</sup>	1,443,792	42,281	674,083	97,527	146,097	5,720	4,875	42,255	430,954
2	Stanford U.	714,897	25,124	392,129	26,240	94,093	7,603	13,864	0	155,844
3	U. PA	654,982	691	528,225	11,688	32,380	6,080	36,185	12,088	27,645
4	Duke U.	630,752	12,523	528,719	9,073	18,250	2,527	25,728	0	33,932
5	Cornell U. all campuses	606,804	6,006	376,860	31,616	84,833	6,464	25,750	0	75,275
6	MA Institute of Technology	580,742	27,444	165,968	48,961	104,485	970	6,945	19,402	206,567
7	Columbia U. in the City of NY	535,424	60,939	363,922	11,122	47,824	4,183	11,229	5,753	30,452
8	Washington U. St. Louis	531,846	5,541	477,021	7,731	14,731	6,356	4,999	23	15,444
9	Baylor C. of Medicine	458,694	0	458,694	0	0	0	0	0	0
10	Harvard U.	447,196	25,250	324,112	2,761	47,993	7,525	18,364	0	21,191
11	U. Southern CA	445,036	20,274	249,108	94,391	11,070	4,028	10,037	2,265	53,863
12	Yale U.	431,618	4,566	374,599	6,378	20,533	6,873	4,900	0	13,769
13	Northwestern U.	387,242	1,237	270,379	6,562	26,828	3,755	9,292	7,172	62,017
14	Vanderbilt U.	350,433	293	275,664	1,252	15,092	9,694	3,375	11,856	33,207
15	U. Rochester	345,337	844	231,559	3,524	11,271	13,884	566	786	82,903
16	Scripps Research Institute, The	338,634	0	338,634	0	0	0	0	0	0
17	Emory U.	333,665	90	319,795	487	9,985	1,718	1,590	0	0
18	Case Western Reserve U.	323,618	588	268,303	586	8,994	882	1,708	0	42,557
19	U. Chicago	293,970	5,155	214,274	15,715	46,785	6,623	5,249	0	169
20	NY U.	276,198	319	223,974	14,290	12,650	14,938	8,864	1,163	0
21	CA Institute of Technology	265,364	15,739	44,305	13,625	143,657	0	0	6,579	41,459
22	Boston U.	246,520	4,411	168,421	4,265	21,402	7,439	1,360	14,148	25,074
23	Mt. Sinai School of Medicine	225,293	0	225,293	0	0	0	0	0	0
24	U. Miami	209,572	48,091	143,165	582	2,072	9,538	3,253	0	2,871
25	Princeton U.	202,380	17,771	41,607	13,341	33,237	8,871	29,601	0	57,952
26	Carnegie Mellon U.	200,297	676	6,059	109,999	11,743	5,237	10,569	1,545	54,469
27	Rockefeller U.	198,719	0	185,329	6,746	6,644	0	0	0	0
28	Yeshiva U.	195,644	0	195,644	0	0	0	0	0	0
29	Wake Forest U.	185,152	0	181,685	797	2,266	0	404	0	0
30	Dartmouth C.	179,094	1,431	129,639	4,608	9,041	5,594	1,050	7,555	20,176
31	Medical C. WI	143,540	0	143,540	0	0	0	0	0	0
32	Tulane U.	138,959	777	122,618	2,334	2,004	535	3,382	35	7,274
33	Brown U.	138,262	6,604	71,997	14,919	13,359	2,349	8,380	0	20,654
34	Tufts U.	131,028	708	102,078	1,791	4,432	4,677	8,419	0	8,923
35	Georgetown U.	123,938	0	110,052	372	2,578	958	9,978	0	0

TABLE 41. R&amp;D expenditures at private universities and colleges, ranked by all R&amp;D expenditures for the first 100 institutions, by science and engineering field: FY 2005

(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
36	Woods Hole Oceanographic Institution	117,517	96,473	0	0	0	0	0	0	21,044
37	George Washington U.	107,715	278	44,412	37,018	3,786	2,268	9,156	0	10,797
38	Thomas Jefferson U.	107,388	0	107,388	0	0	0	0	0	0
39	Drexel U.	88,049	0	41,882	2,279	3,213	1,106	0	0	39,569
40	Rush U.	83,693	0	81,032	0	0	2,661	0	0	0
41	U. of Notre Dame	71,266	0	13,894	4,170	16,528	4,029	4,288	13,472	14,885
42	U. Dayton	67,445	76	580	640	413	9	56	0	65,671
43	Rensselaer Polytechnic Institute	65,571	3,286	1,159	4,982	7,350	1,153	672	0	46,969
44	Northeastern U.	63,514	13	14,933	3,301	15,512	3,901	3,325	0	22,529
45	Rice U.	63,102	2,066	10,595	12,081	18,690	831	870	0	17,969
46	Syracuse U. all campuses	62,020	1,960	3,247	9,243	4,961	4,023	8,992	16,332	13,262
47	Brandeis U.	54,136	0	29,005	2,099	6,003	2,765	14,264	0	0
48	St. Louis U. all campuses	47,356	882	45,844	81	308	0	112	0	129
49	Charles R. Drew U. of Medicine and Science	43,231	0	43,231	0	0	0	0	0	0
50	Hampton U.	42,969	87	1,197	1,958	815	0	0	4,652	34,260
51	Howard U.	41,609	0	29,602	2,521	2,771	1,261	332	308	4,814
52	Loyola U. Chicago	40,551	0	36,593	32	356	531	171	2,868	0
53	Lehigh U.	36,709	1,987	2,322	1,150	7,810	115	85	0	23,240
54	Eastern VA Medical School	33,721	0	33,721	0	0	0	0	0	0
55	NY Medical C.	32,460	0	32,460	0	0	0	0	0	0
56	Boston C.	31,588	6,444	4,377	4,661	8,041	920	7,145	0	0
57	Morehouse School of Medicine	30,652	0	30,652	0	0	0	0	0	0
58	Loma Linda U.	29,898	0	29,898	0	0	0	0	0	0
59	Meharry Medical C.	29,105	0	29,105	0	0	0	0	0	0
60	Creighton U.	27,022	148	26,438	32	377	0	27	0	0
61	IL Institute of Technology	25,498	0	4,818	1,810	8,055	583	0	4	10,228
62	Brigham Young U. all campuses	23,961	292	6,028	1,035	4,698	526	1,313	0	10,069
63	Stevens Institute of Technology	22,997	6,523	357	5,290	1,222	0	13	1,322	8,270
64	Catholic U. America, The	21,489	0	2,192	0	16,332	792	534	23	1,616
65	Rochester Institute of Technology	21,068	1,631	1,865	1,437	6,309	0	261	154	9,411
66	Mercer U. all campuses	20,042	0	3,896	40	521	9	15	97	15,464
67	Albany Medical C.	15,465	0	15,465	0	0	0	0	0	0
68	Polytechnic U.	15,295	0	0	2,825	2,499	0	196	0	9,775
69	Worcester Polytechnic Institute	14,679	0	585	2,280	585	0	344	0	10,885
70	Clarkson U.	13,826	0	699	264	3,039	0	0	0	9,824

TABLE 41. R&amp;D expenditures at private universities and colleges, ranked by all R&amp;D expenditures for the first 100 institutions, by science and engineering field: FY 2005

(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
71	Embry-Riddle Aeronautical U.	13,325	1,202	0	347	59	75	75	3,005	8,562
72	Clark Atlanta U.	12,790	6	4,057	864	4,053	300	221	1,317	1,972
73	U. Tulsa	12,740	204	1,331	3,461	1,389	145	1,077	0	5,133
74	Rosalind Franklin U. of Medicine and Science	11,920	0	11,669	0	0	251	0	0	0
75	Southern Methodist U.	11,839	2,369	2,117	1,029	2,208	1,277	634	358	1,847
76	U. Denver	11,716	60	3,223	89	2,569	2,251	111	0	3,413
77	Tuskegee U.	10,966	0	7,429	0	205	0	2,214	0	1,118
78	Teachers C. Columbia U.	10,669	0	2,448	90	0	4,072	4,059	0	0
79	Marquette U.	10,338	0	4,031	335	1,061	268	387	0	4,256
80	Universidad Central del Caribe	9,181	0	9,181	0	0	0	0	0	0
81	Alfred U. all campuses	8,239	0	0	0	82	599	0	0	7,558
82	Duquesne U.	8,096	0	5,493	206	2,283	0	114	0	0
83	Wesleyan U.	8,036	452	3,675	211	2,702	910	86	0	0
84	Ponce School of Medicine	7,840	0	7,840	0	0	0	0	0	0
85	FL Institute of Technology	7,539	1,023	952	1,263	2,238	196	0	381	1,486
86	Villanova U.	6,902 i	161 i	535 i	416 i	682 i	142 i	73 i	0 i	4,893 i
87	Baylor U.	6,364	709	1,843	308	1,889	166	121	895	433
88	Fisk U.	6,000	0	0	0	6,000	0	0	0	0
89	Xavier U. LA	5,972 i	278 i	3,695 i	205 i	1,596 i	0 i	0 i	0 i	198 i
90	New School, The	5,889	0	256	2,994	0	165	2,474	0	0
91	Nova Southeastern U.	5,789	3,038	2,012	0	0	282	0	457	0
92	St. Francis U. (Loretto, PA)	4,981	87	4,894	0	0	0	0	0	0
93	Rose-Hulman Institute of Technology	4,914	0	0	1,405	709	0	0	0	2,800
94	Clark U.	4,480	1,370	978	43	1,177	603	199	110	0
95	Bryn Mawr C.	4,400	439	453	846	813	365	1,484	0	0
96	DePaul U.	4,321	62	151	541	213	3,034	312	8	0
97	Wheeling Jesuit U.	4,265 i	363 i	1,995 i	164 i	785 i	415 i	222 i	144 i	177 i
98	Wellesley C.	4,252	12	574	59	676	104	424	2,403	0
99	TX Christian U.	4,216	54	609	47	973	2,467	22	0	44
100	U. of the Pacific	3,750	0	2,316	8	710	0	87	0	629
	All other sampled institutions	178,954	12,390	66,440	10,903	34,090	16,886	14,759	7,395	16,091

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 42. Federally financed R&D expenditures at private universities and colleges, ranked by federal R&D expenditures for the first 100 institutions, by science and engineering field: FY 2005  
(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	11,290,836	398,629	7,310,282	580,753	1,025,541	176,469	158,171	98,441	1,542,550
1	Johns Hopkins U., The <sup>a</sup>	1,277,292	40,230	548,516	94,092	143,656	5,134	3,552	23,266	418,846
2	Stanford U.	574,675	16,881	312,619	23,393	86,352	6,438	6,185	0	122,807
3	U. PA	465,284	124	386,272	8,892	25,902	5,537	16,834	3,939	17,784
4	MA Institute of Technology	457,235	24,097	141,176	34,079	99,707	857	2,093	5,959	149,267
5	Columbia U. in the City of NY	453,188	58,432	309,787	9,985	38,206	4,113	6,226	1,777	24,662
6	Washington U. St. Louis	400,699	3,313	365,868	3,983	10,983	4,780	3,161	0	8,611
7	Harvard U.	395,906	23,765	288,385	2,759	44,859	7,096	9,755	0	19,287
8	Duke U.	376,568	7,641	304,532	7,885	14,513	1,514	19,034	0	21,449
9	Cornell U. all campuses	365,694	3,951	230,308	19,475	55,723	2,670	7,833	0	45,734
10	Yale U.	332,702	3,740	293,504	4,943	15,766	4,610	1,033	0	9,106
11	U. Southern CA	330,126	15,438	175,724	87,301	6,564	3,099	3,717	896	37,387
12	Baylor C. of Medicine	300,638	0	300,638	0	0	0	0	0	0
13	Vanderbilt U.	281,694	247	228,670	1,139	13,376	7,701	2,533	1,292	26,736
14	Scripps Research Institute, The	272,969	0	272,969	0	0	0	0	0	0
15	Emory U.	266,868	78	255,557	483	8,817	1,590	343	0	0
16	U. Rochester	257,497	767	160,824	3,254	9,881	10,609	451	487	71,224
17	CA Institute of Technology	249,371	14,232	40,582	13,583	137,909	0	0	4,330	38,735
18	U. Chicago	245,679	4,992	176,068	15,450	37,961	6,570	4,469	0	169
19	Northwestern U.	244,113	1,013	163,230	5,293	21,612	2,896	3,635	3,284	43,150
20	Boston U.	228,842	3,876	154,782	4,024	20,776	7,298	852	13,884	23,350
21	Case Western Reserve U.	212,485	444	179,810	561	6,965	779	1,536	0	22,390
22	NY U.	191,782	72	150,029	13,326	10,164	12,256	5,147	788	0
23	Mt. Sinai School of Medicine	191,326	0	191,326	0	0	0	0	0	0
24	Carnegie Mellon U.	173,902	676	5,177	100,518	8,925	4,648	8,738	419	44,801
25	Yeshiva U.	160,894	0	160,894	0	0	0	0	0	0
26	U. Miami	156,059	40,726	98,491	579	1,984	8,974	3,026	0	2,279
27	Wake Forest U.	141,685	0	138,951	749	1,948	0	37	0	0
28	Dartmouth C.	122,329	686	89,953	2,918	4,853	3,601	416	5,408	14,494
29	Princeton U.	120,042	10,916	27,757	8,200	23,850	7,199	6,577	0	35,543
30	Medical C. WI	102,859	0	102,859	0	0	0	0	0	0
31	Woods Hole Oceanographic Institution	100,747	80,539	0	0	0	0	0	0	20,208
32	Georgetown U.	100,328	0	95,516	372	2,489	888	1,063	0	0
33	Tufts U.	98,200	204	82,608	1,192	4,030	2,936	181	0	7,049
34	Tulane U.	94,628	402	82,388	1,793	1,310	339	2,835	0	5,561
35	Brown U.	90,857	4,136	54,082	8,716	7,427	1,151	1,627	0	13,718

TABLE 42. Federally financed R&D expenditures at private universities and colleges, ranked by federal R&D expenditures for the first 100 institutions, by science and engineering field: FY 2005  
(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
36	Thomas Jefferson U.	86,171	0	86,171	0	0	0	0	0	0
37	Rockefeller U.	85,552	0	80,161	1,205	4,186	0	0	0	0
38	George Washington U.	78,779	214	26,500	34,530	2,811	1,554	5,427	0	7,743
39	Drexel U.	62,606	0	30,620	1,909	2,480	988	0	0	26,609
40	U. Dayton	58,782	30	461	327	127	0	0	0	57,837
41	Rice U.	54,735	1,969	9,584	11,206	16,180	830	373	0	14,593
42	U. of Notre Dame	51,072	0	10,849	3,960	15,252	3,922	1,227	5,357	10,505
43	Rush U.	49,150	0	47,398	0	0	1,752	0	0	0
44	Syracuse U. all campuses	46,945	1,669	3,044	5,364	4,759	3,975	7,709	11,008	9,417
45	St. Louis U. all campuses	44,757	855	43,332	81	289	0	78	0	122
46	Hampton U.	42,792	87	1,197	1,958	815	0	0	4,475	34,260
47	Rensselaer Polytechnic Institute	42,338	2,376	967	4,268	5,378	1,044	504	0	27,801
48	Charles R. Drew U. of Medicine and Science	41,207	0	41,207	0	0	0	0	0	0
49	Howard U.	40,020	0	28,628	2,502	2,708	1,261	234	235	4,452
50	Brandeis U.	39,788	0	24,115	1,714	4,988	2,472	6,499	0	0
51	Northeastern U.	36,524	0	7,906	1,982	10,168	2,013	680	0	13,775
52	Loyola U. Chicago	30,584	0	26,984	30	251	345	106	2,868	0
53	Meharry Medical C.	27,408	0	27,408	0	0	0	0	0	0
54	Loma Linda U.	26,855	0	26,855	0	0	0	0	0	0
55	NY Medical C.	25,242	0	25,242	0	0	0	0	0	0
56	Morehouse School of Medicine	24,213	0	24,213	0	0	0	0	0	0
57	Lehigh U.	21,061	1,960	1,894	772	4,123	115	0	0	12,197
58	Eastern VA Medical School	19,969	0	19,969	0	0	0	0	0	0
59	Stevens Institute of Technology	18,626	5,154	357	5,021	807	0	0	320	6,967
60	Boston C.	17,801	5,370	3,539	546	5,726	420	2,200	0	0
61	Brigham Young U. all campuses	16,878	215	3,755	864	3,557	264	565	0	7,658
62	IL Institute of Technology	16,493	0	4,645	1,463	4,753	528	0	2	5,102
63	Catholic U. America, The	16,252	0	1,906	0	12,333	694	173	20	1,126
64	Creighton U.	12,683	148	12,166	0	369	0	0	0	0
65	Rochester Institute of Technology	11,620	488	1,265	284	4,817	0	205	0	4,561
66	Albany Medical C.	11,525	0	11,525	0	0	0	0	0	0
67	Clark Atlanta U.	11,346	0	3,061	845	3,746	300	155	1,290	1,949
68	Mercer U. all campuses	11,235	0	1,592	0	190	0	14	0	9,439
69	Rosalind Franklin U. of Medicine and Science	9,974	0	9,723	0	0	251	0	0	0
70	Worcester Polytechnic Institute	9,424	0	489	2,044	551	0	184	0	6,156

TABLE 42. Federally financed R&D expenditures at private universities and colleges, ranked by federal R&D expenditures for the first 100 institutions, by science and engineering field: FY 2005  
(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
71	U. Denver	9,017	60	2,076	89	2,110	2,032	44	0	2,606
72	U. Tulsa	8,969	163	849	3,275	992	125	343	0	3,222
73	Polytechnic U.	8,623	0	0	2,200	2,399	0	0	0	4,024
74	Universidad Central del Caribe	8,543	0	8,543	0	0	0	0	0	0
75	Tuskegee U.	8,478	0	5,972	0	185	0	1,463	0	858
76	Southern Methodist U.	8,415	2,149	1,640	676	1,668	1,254	225	0	803
77	Marquette U.	6,979	0	3,414	188	662	260	74	0	2,381
78	Clarkson U.	6,890	0 i	321 i	138 i	1,638 i	0 i	0 i	0 i	4,793 i
79	Ponce School of Medicine	6,715	0	6,715	0	0	0	0	0	0
80	Embry-Riddle Aeronautical U.	6,642	1,097	0	18	0	0	0	2,437	3,090
81	Teachers C. Columbia U.	6,187	0	2,210	38	0	3,250	689	0	0
82	Fisk U.	6,000	0	0	0	6,000	0	0	0	0
83	Xavier U. LA	5,508 i	278 i	3,266 i	200 i	1,577 i	0 i	0 i	0 i	187 i
84	Wesleyan U.	5,180	198	2,464	110	1,701	707	0	0	0
85	FL Institute of Technology	5,170	558	748	901	1,839	157	0	243	724
86	St. Francis U. (Loretto, PA)	4,981	87	4,894	0	0	0	0	0	0
87	Villanova U.	4,921 i	161 i	458 i	256 i	453 i	124 i	0 i	0 i	3,469 i
88	Wheeling Jesuit U.	4,265 i	363 i	1,995 i	164 i	785 i	415 i	222 i	144 i	177 i
89	DePaul U.	3,776	49	112	439	86	2,818	270	2	0
90	Duquesne U.	3,717	0	2,493	136	1,047	0	41	0	0
91	Morehouse C.	3,196	0	625	36	597	394	1,544	0	0
92	TX Christian U.	3,068	0	168	44	387	2,462	6	0	1
93	New School, The	2,960	0	250	2,536	0	157	17	0	0
94	Carleton C.	2,896	1,270	999	83	454	90	0	0	0
95	Universidad Metropolitana	2,677 i	228 i	1,252 i	103 i	493 i	260 i	139 i	90 i	112 i
96	Clark U.	2,611	640	700	33	717	378	143	0	0
97	St. Joseph's U.	2,596	0	506	422	3	0	0	1,665	0
98	Spelman C.	2,576	0	1,507	136	585	348	0	0	0
99	Alfred U. all campuses	2,454	0	0	0	0	482	0	0	1,972
100	Wellesley C.	2,429	12	561	34	451	13	162	1,196	0
	All other sampled institutions	98,827	9,163	36,964	6,686	20,840	12,732	3,567	1,360	7,515

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$649 million in federally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 43. Total and federally financed academic R&D expenditures passed through to subrecipients: FY 2005  
(Dollars in thousands)

Highest degree and control of academic institution	All R&D expenditures <sup>a</sup>	Item 1A respondents' R&D expenditures <sup>b</sup>	R&D expenditures passed through to subrecipients		
			Total <sup>c</sup>	Educational subrecipients	Other subrecipients
Total R&D, all institutions	45,641,980	40,553,073	3,055,074	1,535,402	1,038,979
Doctorate	45,012,973	39,987,355	3,017,040	1,516,980	1,024,114
Nondoctorate	629,007	565,718	38,034	18,422	14,865
Public	30,740,276	25,702,609	1,729,303	875,881	581,523
Private	14,901,704	14,850,464	1,325,771	659,521	457,456
Federally financed R&D, all institutions	29,102,747	26,236,917	2,638,853	1,363,265	864,539
Doctorate	28,707,532	25,876,582	2,611,379	1,349,129	853,782
Nondoctorate	395,215	360,335	27,474	14,136	10,757
Public	17,839,687	15,002,856	1,459,291	761,268	475,795
Private	11,263,060	11,234,061	1,179,562	601,997	388,744

<sup>a</sup> Total is amount prior to imputation for nonrespondents.

<sup>b</sup> Survey item 1A collects data on R&D expenditures passed through the institution to subrecipients.

<sup>c</sup> 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 2005.

TABLE 44. Total and federally financed academic R&D expenditures received as a subrecipient: FY 2005

(Dollars in thousands)

Highest degree and control of academic institution	All R&D expenditures <sup>a</sup>	Item 1B respondents' R&D expenditures <sup>b</sup>	R&D expenditures received as a subrecipient		
			Total <sup>c</sup>	Higher education pass-through entities	Other pass-through entities
Total R&D, all institutions	45,641,980	40,731,618	3,288,441	1,488,105	1,535,486
Doctorate	45,012,973	40,139,241	3,225,104	1,456,108	1,506,153
Nondoctorate	629,007	592,377	63,337	31,997	29,333
Public	30,740,276	25,851,250	2,008,063	882,221	992,040
Private	14,901,704	14,880,368	1,280,378	605,884	543,446
Federally financed R&D, all institutions	29,102,747	26,347,560	2,913,503	1,352,671	1,315,256
Doctorate	28,707,532	25,973,971	2,859,680	1,323,932	1,290,189
Nondoctorate	395,215	373,589	53,823	28,739	25,067
Public	17,839,687	15,096,925	1,798,273	812,546	861,309
Private	11,263,060	11,250,635	1,115,230	540,125	453,947

<sup>a</sup> Total is amount prior to imputation for nonrespondents.

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

<sup>c</sup> 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 2005.



TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
	All institutions	41,272,364	3,055,074	1,535,402	1,038,979	3,288,441	1,488,105	1,535,486
1	Johns Hopkins U., The <sup>b</sup>	1,443,792	133,748	NA	NA	62,231	NA	NA
2	U. MI all campuses	808,887	59,459	33,302	26,157	66,009	26,800	39,209
3	U. WI Madison	798,099	56,486	35,432	21,054	42,899	13,004	29,895
4	Stanford U.	714,897	80,016	576	79,440	87,327	37,851	49,476
5	U. WA	707,519	0	0	0	0	0	0
6	U. PA	654,982	60,138	33,685	26,453	54,961	26,375	28,586
7	Duke U.	630,752	75,775	56,443	19,332	49,087	31,542	17,545
8	PA State U. all campuses	625,764	NA	NA	NA	25,350	25,350	0
9	OH State U. all campuses	608,923	55,271	53,111	2,160	56,235	25,652	30,583
10	Cornell U. all campuses	606,804	38,174	NA	NA	38,367	17,701	20,666
11	MA Institute of Technology	580,742	34,903	19,021	15,882	94,397	36,224	58,173
12	U. MN all campuses	548,873	52,128	NA	NA	34,956	NA	NA
13	Columbia U. in the City of NY	535,424	57,354	32,118	25,236	51,926	19,635	32,291
14	Washington U. St. Louis	531,846	32,965	20,629	12,336	28,602	18,610	9,992
15	U. FL	530,734	43,026	38,723	4,303	62,717	20,133	42,584
16	U. AZ	530,233	66,461	NA	NA	53,345	35,320	18,025
17	U. CO all campuses	517,067	67,239	26,551	40,688	74,451	49,851	24,600
18	U. Pittsburgh all campuses	510,943	33,711	17,530	16,181	42,297	22,909	19,388
19	U. IL Urbana-Champaign	499,711	31,806	25,109	6,697	44,129	19,738	24,391
20	TX A&M U. all campuses	479,735	26,962	18,978	7,984	26,802	14,768	12,034
21	Baylor C. of Medicine	458,694	40,297	33,460	6,837	19,552	11,957	7,595
22	Harvard U.	447,196	53,106	22,688	30,418	51,627	18,008	33,619
23	U. Southern CA	445,036	49,601	18,604	30,997	38,975	22,834	16,141
24	U. NC Chapel Hill	441,033	37,538	19,796	17,742	29,304	20,202	9,102
25	Yale U.	431,618	35,200	18,146	17,054	29,307	15,078	14,229
26	GA Institute of Technology all campuses	425,386	31,447	24,171	7,276	45,649	15,778	29,871
27	U. TX Austin	410,981	24,051	8,393	15,658	56,182	21,889	34,293
28	Northwestern U.	387,242	22,959	NA	NA	37,541	NA	NA
29	U. TX M. D. Anderson Cancer Ctr.	383,780	11,771	6,373	5,398	25,952	8,536	17,416
30	Purdue U. all campuses	364,986	18,505	12,101	6,404	34,401	12,997	21,404
31	LA State U. all campuses	356,828	12,739	8,702	4,037	16,191	11,095	5,096
32	Vanderbilt U.	350,433	27,378	16,362	11,016	25,757	14,039	11,718
33	U. Rochester	345,337	21,786	12,569	9,217	22,121	NA	NA
34	U. MD College Park	338,648	27,227	0	27,227	26,077	8,607	17,470
35	Scripps Research Institute, The	338,634	23,854	22,978	876	12,215	11,613	602

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
36	U. IA	334,144	15,762	0	15,762	15,961	0	15,961
37	MI State U.	333,735	21,071	14,943	6,128	20,286	10,849	9,437
38	Emory U.	333,665	18,139	11,783	6,356	58,236	20,238	37,998
39	U. NE all campuses	333,126	17,848	14,112	3,736	25,231	10,149	15,082
40	Case Western Reserve U.	323,618	19,044	18,915	129	21,821	21,821	0
41	U. TX Southwestern Medical Ctr. Dallas	320,800	18,085	12,979	5,106	12,816	9,891	2,925
42	U. AL Birmingham, The	318,536	35,750	23,422	12,328	37,022	19,837	17,185
43	U. IL Chicago	318,279	17,660	8,003	9,657	20,987	13,510	7,477
44	U. GA	316,806	18,623	NA	NA	9,786	NA	NA
45	Rutgers, The State U. NJ all campuses	309,531	25,861	17,315	8,546	20,339	11,295	9,044
46	IN U. all campuses	307,137	20,685	11,823	8,862	17,553	11,221	6,332
47	U. KY all campuses	306,653	18,060	18,060	0	24,416	8,875	15,541
48	U. MD Baltimore	304,396	0	0	0	0	0	0
49	NC State U.	302,596	18,387	9,528	8,859	17,543	11,801	5,742
50	U. Chicago	293,970	24,517	17,244	7,273	24,549	14,430	10,119
51	VA Polytechnic Institute and State U.	289,994	13,990	9,208	4,782	20,913	9,119	11,794
52	U. Cincinnati all campuses	286,036	16,128	6,560	9,568	13,550	4,427	9,123
53	NY U.	276,198	17,740	12,935	4,805	23,211	21,809	1,402
54	SUNY Buffalo all campuses	267,271	9,346	6,601	2,745	NA	NA	NA
55	OR Health & Science U.	266,687	16,244	7,762	8,482	21,643	11,489	10,154
56	CA Institute of Technology	265,364	35,737	35,737	0	31,520	21,677	9,843
57	SUNY Albany	259,708	5,516	2,115	3,401	4,700	2,197	2,503
58	U. South FL	259,218	31,261	NA	NA	NA	NA	NA
59	U. TN all campuses	255,699	10,507	7,222	3,285	19,049	8,647	10,402
60	Boston U.	246,520	22,942	14,135	8,807	22,394	11,561	10,833
61	U. UT	244,691	14,650	8,057	6,593	18,689	7,477	11,212
62	U. of Medicine and Dentistry NJ	239,778	11,314	6,675	4,639	4,328	3,288	1,040
63	U. VA all campuses	239,061	17,911	13,796	4,115	1,682	0	1,682
64	CO State U.	236,211	16,060	NA	NA	22,561	NA	NA
65	U. HI Manoa	230,651	19,499	5,203	14,296	19,585	5,362	14,223
66	Wayne State U.	226,331	13,065	7,378	5,687	9,030	4,522	4,508
67	Mt. Sinai School of Medicine	225,293	17,529	17,529	0	13,915	8,755	5,160
68	U. MO-Columbia	220,718	8,980	3,648	5,332	8,074	4,519	3,555
69	U. CT all campuses	219,982	11,470	7,407	4,063	19,245	7,868	11,377
70	SUNY Stony Brook all campuses	212,289	7,667	269	7,398	14,481	8,249	6,232

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
71	U. Miami	209,572	16,915	4,789	12,126	8,683	5,438	3,245
72	IA State U.	209,545	14,999	11,662	3,337	13,197	NA	NA
73	Princeton U.	202,380	17,514	11,258	6,256	12,603	7,411	5,192
74	Carnegie Mellon U.	200,297	24,418	15,327	9,091	52,522	9,953	42,569
75	Rockefeller U.	198,719	6,568	6,568	0	5,026	4,182	844
76	Yeshiva U.	195,644	1,273	1,273	0	12,200	12,200	0
77	U. KS all campuses	190,105	10,955	7,843	3,112	18,587	6,589	11,998
78	Wake Forest U.	185,152	22,323	14,963	7,360	18,772	14,475	4,297
79	WA State U.	182,677	8,263	5,218	3,045	8,659	5,468	3,191
80	OR State U.	180,309	14,374	10,152	4,222	15,637	8,557	7,080
81	MS State U.	179,825	17,724	12,303	5,421	12,961	4,589	8,372
82	Dartmouth C.	179,094	14,849	10,365	4,484	12,399	8,002	4,397
83	U. NM all campuses	178,703	11,836	8,544	3,292	27,103	13,864	13,239
84	Medical U. SC	176,709	8,531	4,508	4,023	14,331	5,565	8,766
85	U. MA Worcester	176,349	8,853	8,853	0	11,481	4,390	7,091
86	Clemson U.	175,127	7,563	NA	NA	13,712	NA	NA
87	U. TX Medical Branch	174,254	14,542	10,226	4,316	10,232	5,906	4,326
88	U. OK all campuses	173,663	9,428	6,596	2,832	18,366	7,476	10,890
89	FL State U.	172,858	21,428	9,331	12,097	24,483	4,497	19,986
90	AZ State U. main campus	166,923	8,995	5,110	3,885	18,863	7,178	11,685
91	U. TX Health Science Ctr. Houston	152,631	17,755	12,432	5,323	16,646	12,043	4,603
92	VA Commonwealth U.	146,105	6,362	4,515	1,847	7,307	2,820	4,487
93	Medical C. WI	143,540	12,829	4,063	8,766	7,186	5,002	2,184
94	U. TX Health Science Ctr. San Antonio	142,375	12,191	3,702	8,489	7,536	5,189	2,347
95	U. AK Fairbanks all campuses	139,488	6,620	NA	NA	8,631	NA	NA
96	Tulane U.	138,959	14,478	9,472	5,006	18,299	12,841	5,458
97	Brown U.	138,262	17,606	8,894	8,712	5,720	2,446	3,274
98	Auburn U. all campuses	132,203	3,205	3,205	0	14,546	5,293	9,253
99	Tufts U.	131,028	5,350	3,591	1,759	10,021	4,806	5,215
100	U. Louisville	128,347	6,549	3,930	2,619	9,050	5,430	3,620
101	U. MA Amherst	127,487	6,643	6,643	0	7,683	3,078	4,605
102	NM State U. all campuses	125,427	16,059	6,097	9,962	14,545	4,479	10,066
103	Georgetown U.	123,938	13,292	4,003	9,289	14,178	6,869	7,309
104	KS State U.	123,398	8,134	6,383	1,751	12,869	5,365	7,504
105	U. SC all campuses	122,212	6,433	5,300	1,133	8,303	6,300	2,003

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
106	Woods Hole Oceanographic Institution	117,517	5,449	3,014	2,435	10,217	10,217	0
107	U. VT	115,693	5,697	2,600	3,097	13,289	6,744	6,545
108	WV U.	115,398	6,168	2,878	3,290	13,746	5,924	7,822
109	U. DE	110,339	8,027	NA	NA	10,206	6,889	3,317
110	MT State U. Bozeman	109,465	16,319	NA	NA	16,419	NA	NA
111	U. NH	108,378	14,034	NA	NA	11,053	4,649	6,404
112	George Washington U.	107,715	22,264	11,574	10,690	7,333	2,635	4,698
113	Thomas Jefferson U.	107,388	6,053	4,806	1,247	9,590	4,859	4,731
114	ND State U. all campuses	103,011	7,729	NA	NA	6,785	3,407	3,378
115	U. Central FL	102,702	6,997	0	6,997	20,524	0	20,524
116	OK State U. all campuses	99,436	6,086	NA	NA	8,361	NA	NA
117	U. AR main campus	98,138	2,391	1,928	463	6,135	2,399	3,736
118	U. NV, Reno	95,579	5,081	3,719	1,362	16,759	11,627	5,132
119	U. MS all campuses	91,913	9,877	7,703	2,174	10,954	5,717	5,237
120	U. AR for Medical Sciences	91,516	5,176	4,814	362	9,849	2,106	7,743
121	U. ID	91,009	5,870	5,192	678	7,103	3,634	3,469
122	Drexel U.	88,049	11,828	NA	NA	7,587	NA	NA
123	Rush U.	83,693	4,729	4,729	0	7,804	6,306	1,498
124	U. WY	83,449	2,882	1,378	1,504	7,174	2,189	4,985
125	Temple U.	83,062	4,178	2,140	2,038	9,612	5,890	3,722
126	U. Houston	80,731	7,532	NA	NA	2,330	1,723	607
127	Uniformed Services U. of the Health Sciences	78,694	0	0	0	0	0	0
128	NJ Institute of Technology	76,920	8,544	1,184	7,360	15,271	2,568	12,703
129	FL International U.	76,678	4,947	0	4,947	1,100	0	1,100
130	U. ME	75,066	3,880	826	3,054	6,033	1,614	4,419
131	San Diego State U.	73,887	10,226	6,073	4,153	5,431	4,037	1,394
132	TX A&M U. System Health Science Ctr.	73,162	2,539	1,199	1,340	2,811	2,796	15
133	U. of Notre Dame	71,266	9,522	7,578	1,944	5,532	2,907	2,625
134	U. Dayton	67,445	15,138	1,986	13,152	10,930	1,231	9,699
135	Medical C. GA	67,278	1,824	1,568	256	2,764	2,426	338
136	Rensselaer Polytechnic Institute	65,571	6,162	5,178	984	10,774	5,555	5,219
137	Northeastern U.	63,514	10,943	7,498	3,445	3,931	2,333	1,598
138	Rice U.	63,102	6,210	6,060	150	10,442	8,329	2,113
139	Syracuse U. all campuses	62,020	4,470	3,487	983	5,948	2,855	3,093
140	U. RI	60,252	6,701	6,077	624	3,032	2,778	254

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
141	U. MD Baltimore County	58,467	1,923	1,900	23	3,824	1,033	2,791
142	Southern IL U. Carbondale	57,434	4,263	1,953	2,310	3,628	1,224	2,404
143	TX Tech U.	56,623	1,602	1,582	20	4,284	3,062	1,222
144	U. MD Biotechnology Institute	56,135	2,614	1,686	928	11,319	10,954	365
145	U. MT, The	54,685	5,899	4,479	1,420	5,024	2,030	2,994
146	U. AL Huntsville, The	54,601	4,358	2,000	2,358	4,721	2,568	2,153
147	Brandeis U.	54,136	3,330	1,819	1,511	4,640	2,533	2,107
148	U. OR	52,657	3,114	2,336	778	4,975	2,133	2,842
149	Naval Postgraduate School	51,343	3,998	NA	NA	1,887	918	969
150	GA State U.	50,262	4,227	4,067	160	4,880	2,239	2,641
151	C. of William and Mary all campuses	50,146	5,906	2,918	2,988	5,305	1,291	4,014
152	U. Memphis, The	49,961	611	153	458	6,046	1,648	4,398
153	U. NV, Las Vegas	48,343	9,684	5,345	4,339	7,842	2,350	5,492
154	St. Louis U. all campuses	47,356	9,189	5,985	3,204	6,892	6,043	849
155	Old Dominion U.	47,006	2,960	2,537	423	5,196	2,203	2,993
156	U. ND all campuses	46,798	5,187	3,255	1,932	2,855	2,091	764
157	U. LA Lafayette	44,620	547	500	47	1,580	528	1,052
158	Charles R. Drew U. of Medicine and Science	43,231	1,300	700	600	4,200	2,700	1,500
159	OH U. all campuses	43,229	3,252	1,912	1,340	5,048	1,745	3,303
160	U. TX Dallas	43,111	4,632	2,936	1,696	4,414	3,476	938
161	Hampton U.	42,969	30,612	29,945	667	689	612	77
162	George Mason U.	42,630	4,393	527	3,866	4,958	890	4,068
163	Howard U.	41,609	3,419	3,419	0	5,283	5,283	0
164	U. MD Ctr. for Environmental Science	41,022	4,703	1,881	2,822	4,102	0	4,102
165	Loyola U. Chicago	40,551	1,650	1,650	0	5,014	3,416	1,598
166	Wright State U. all campuses	40,328	2,184	1,090	1,094	3,354	1,084	2,270
167	MI Technological U.	40,188	2,511	1,279	1,232	4,172	NA	NA
168	U. MO-Rolla	38,337	1,938	757	1,181	1,182	549	633
169	U. Southern MS	37,881	4,129	3,030	1,099	9,266	5,476	3,790
170	Lehigh U.	36,709	4,658	4,607	51	2,818	1,099	1,719
171	Jackson State U.	35,876	6,793	6,044	749	1,937	412	1,525
172	U. PR Medical Sciences Campus	35,809	2,044	2,044	0	1,737	871	866
173	SUNY Upstate Medical U.	34,931	1,707	434	1,273	3,597	2,371	1,226
174	Desert Research Institute	34,570	2,179	1,731	448	7,345	2,671	4,674
175	U. AL, The	34,531	6,350	3,446	2,904	5,518	3,175	2,343

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
176	Eastern VA Medical School	33,721	14,134	3,947	10,187	6,700	2,047	4,653
177	CUNY Hunter C.	33,024	1,315	665	650	804	579	225
178	San Jose State U.	32,886	4,747	NA	NA	2,007	NA	NA
179	U. WI Milwaukee	32,748	1,611	973	638	3,536	852	2,684
180	Wichita State U.	32,726	218	151	67	1,889	1,048	841
181	NY Medical C.	32,460	1,043	953	90	2,142	873	1,269
182	U. Toledo	32,351	803	155	648	3,343	897	2,446
183	SD State U.	32,042	2,470	2,470	0	3,853	2,786	1,067
184	Boston C.	31,588	NA	NA	NA	3,136	1,005	2,131
185	U. MO-Kansas City	30,780	1,867	832	1,035	1,795	1,451	344
186	Morehouse School of Medicine	30,652	3,771	932	2,839	2,630	2,250	380
187	Loma Linda U.	29,898	5,830	0	5,830	1,338	359	979
188	SUNY Health Science Ctr. Brooklyn	29,732	5,925	5,925	0	3,736	907	2,829
189	U.S. Air Force Academy	29,438	200	200	0	0	0	0
190	Meharry Medical C.	29,105	1,697	1,261	436	2,390	2,390	0
191	U. TX Arlington	28,971	2,822	1,303	1,519	2,424	1,190	1,234
192	Portland State U.	28,940	2,194	1,344	850	7,493	3,195	4,298
193	CUNY The City C.	27,471	3,011	111	2,900	1,475	381	1,094
194	FL Atlantic U.	27,388	1,367	841	526	3,257	588	2,669
195	Creighton U.	27,022	529	472	57	4,840	4,777	63
196	U. Akron all campuses	26,888	687	371	316	1,881	531	1,350
197	U. TX El Paso	26,825	5,734	2,260	3,474	4,228	2,461	1,767
198	CO School of Mines	26,499	3,616	1,106	2,510	3,380	351	3,029
199	SUNY Binghamton	25,769	1,154	963	191	0	0	0
200	IL Institute of Technology	25,498	3,166	2,410	756	3,969	2,030	1,939
201	Brigham Young U. all campuses	23,961	1,947	1,220	727	3,625	2,439	1,186
202	U. MA Lowell	23,852	1,592	268	1,324	2,863	0	2,863
203	San Francisco State U.	23,655	NA	NA	NA	1,595	1,376	219
204	Stevens Institute of Technology	22,997	3,398	1,686	1,712	827	246	581
205	NC Agricultural and Technical State U.	22,936	2,296	1,575	721	3,697	1,855	1,842
206	Northern AZ U.	22,870	756	286	470	1,262	688	574
207	U. TX San Antonio	22,429	1,058	821	237	1,315	1,130	185
208	U. North TX Health Science Ctr. Ft. Worth	22,325	NA	NA	NA	453	448	5
209	Marshall U.	22,321	2,015	1,832	183	6,362	4,077	2,285
210	Catholic U. America, The	21,489	491	49	442	7,715	463	7,252

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

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			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
211	Rochester Institute of Technology	21,068	1,334	1,187	147	1,547	454	1,093
212	Medical U. OH	21,034	2,186	1,301	885	1,098	858	240
213	Southern IL U. Edwardsville	20,883	873	61	812	175	80	95
214	U. NC Wilmington	20,617	3,305	1,968	1,337	2,697	1,695	1,002
215	U. PR Rio Piedras Campus	20,546	448	448	0	268	268	0
216	U. PR Mayaguez Campus	20,492	70	70	0	80	80	0
217	Mercer U. all campuses	20,042	1,796	211	1,585	5,307	122	5,185
218	ID State U.	19,700	335	278	57	4,406	2,037	2,369
219	U. MA Dartmouth	19,452	2,481	1,457	1,024	1,221	787	434
220	U. South AL	19,431	891	NA	NA	2,017	604	1,413
221	TX Tech U. Health Science Ctr.	18,697	253	229	24	1,190	948	242
222	U. SD	18,681	1,646	860	786	2,687	931	1,756
223	U. MA Boston	18,148	1,896	759	1,137	2,795	1,740	1,055
224	Miami U. all campuses	18,026	165	161	4	2,154	479	1,675
225	Western MI U.	17,518	2,091	1,256	835	2,406	1,367	1,039
226	U. of the VI	16,735	0	0	0	0	0	0
227	AL A&M U.	16,075	2,008	1,825	183	1,504	1,480	24
228	U. NC Charlotte	16,042	3,176	1,557	1,619	5,599	1,365	4,234
229	Cleveland State U.	15,884	957	227	730	954	524	430
230	LA Tech U.	15,832	754	479	275	360	166	194
231	Albany Medical C.	15,465	290	185	105	192	136	56
232	Polytechnic U.	15,295	500	500	0	1,075	950	125
233	Worcester Polytechnic Institute	14,679	487	429	58	3,188	1,351	1,837
234	TN State U.	14,669	68	68	0	40	40	0
235	Air Force Institute of Technology	14,666	0	0	0	64	63	1
236	East Carolina U.	14,240	1,349	1,093	256	933	865	68
237	CA State U. Fresno	13,498	4,000	3,000	1,000	280	180	100
238	TX A&M U. Kingsville	13,389	127	75	52	5,240	1,728	3,512
239	SD School of Mines and Technology	13,347	562	478	84	1,793	741	1,052
240	Embry-Riddle Aeronautical U.	13,325	1,022	546	476	1,901	6	1,895
241	Clark Atlanta U.	12,790	316	240	76	2,976	1,963	1,013
242	U. Tulsa	12,740	1,264	926	338	649	526	123
243	U. North TX	12,617	244	10	234	280	23	257
244	U. MO-St. Louis	12,056	821	675	146	934	518	416
245	Rosalind Franklin U. of Medicine and Science	11,920	160	160	0	539	539	0

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
246	Southern Methodist U.	11,839	1,256	1,044	212	1,393	983	410
247	Prairie View A&M U.	11,810	823	63	760	1,124	766	358
248	U. Denver	11,716	724	443	281	1,396	779	617
249	Northern IL U.	11,239	1,376	1,052	324	925	574	351
250	CA State Polytechnic U. San Luis Obispo	11,235	152	140	12	2,007	423	1,584
251	Kent State U. all campuses	11,045	535	440	95	2,371	1,012	1,359
252	Tuskegee U.	10,966	0	0	0	0	0	0
253	Teachers C. Columbia U.	10,669	2,085	NA	NA	1,568	NA	NA
254	Marquette U.	10,338	980	867	113	853	522	331
255	CA State U. Los Angeles	10,130	463	457	6	980	716	264
256	Bowling Green State U. all campuses	9,746	398	310	88	1,318	984	334
257	U. West FL	9,712	353	203	150	1,880	513	1,367
258	U. HI Hilo	9,596	62	62	0	472	472	0
259	CA State U. Long Beach	9,594	1,966	NA	NA	954	413	541
260	Morgan State U.	9,544	NA	NA	NA	891	643	248
261	TN Technological U.	9,312	556	516	40	910	263	647
262	Universidad Central del Caribe	9,181	0	0	0	550	323	227
263	Boise State U.	9,162	1,854	NA	NA	NA	NA	NA
264	CA State U. San Bernardino	8,905	2,223	1,173	1,050	3,831	178	3,653
265	TX A&M U. Corpus Christi	8,845	0	0	0	945	215	730
266	CA State U. Northridge	8,767	95	95	0	533	533	0
267	Tarleton State U.	8,512	0	0	0	118	0	118
268	Ball State U.	8,490	3,107	2,381	726	2,027	351	1,676
269	Alfred U. all campuses	8,239	83	48	35	323	39	284
270	Duquesne U.	8,096	175	175	0	560	549	11
271	Wesleyan U.	8,036	387	192	195	553	208	345
272	Ponce School of Medicine	7,840	0	0	0	202	0	202
273	U. Baltimore	7,754	666	666	0	213	213	0
274	FL Institute of Technology	7,539	0	0	0	410	261	149
275	TX State U. San Marcos	7,261	509	509	0	2,233	2,137	96
276	CUNY Queens C.	6,876	700	378	322	2,550	184	2,366
277	Norfolk State U.	6,758	361	358	3	246	197	49
278	U. AR Pine Bluff	6,685	10	10	0	1,176	945	231
279	U.S. Naval Academy	6,623	0	0	0	0	0	0
280	Western KY U.	6,607	4,108	1,924	2,184	1,031	833	198



TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
281	Oakland U.	6,505	318	318	0	367	254	113
282	Southwest MO State U.	6,367	2,258	0	2,258	408	198	210
283	Baylor U.	6,364	136	0	136	1,006	566	440
284	CA State U. Bakersfield	6,268	0	0	0	0	0	0
285	Alcorn State U.	6,256	0	0	0	25	25	0
286	Fisk U.	6,000	0	0	0	100	0	100
287	MT Tech of the U. MT	5,947	248	62	186	3,987	1,353	2,634
288	CUNY Graduate Ctr.	5,943	0	0	0	0	0	0
289	Eastern MI U.	5,910	129	104	25	606	318	288
290	New School, The	5,889	30	30	0	0	0	0
291	Nova Southeastern U.	5,789	93	10	83	552	156	396
292	Northeastern OH Universities C. of Medicine	5,703	535	48	487	72	12	60
293	U. MD Eastern Shore	5,568	0	0	0	55	55	0
294	U. LA Monroe	5,524	0	0	0	654	654	0
295	DE State U.	5,412	23	23	0	1,727	1,727	0
296	IL State U.	5,203	473	322	151	1,059	515	544
297	VA State U.	5,048	52	29	23	244	65	179
298	James Madison U.	5,009	26	26	0	2,245	2,014	231
299	St. Francis U. (Loretto, PA)	4,981	98	98	0	412	412	0
300	Rowan U.	4,944	148	148	0	2,596	1,129	1,467
301	Central MI U.	4,938	957	0	957	303	175	128
302	Rose-Hulman Institute of Technology	4,914	0	0	0	24	23	1
303	U. NC Greensboro	4,843	515	159	356	483	297	186
304	Western WA U.	4,711	9	9	0	225	216	9
305	TX Southern U.	4,641	25	25	0	225	40	185
306	Clark U.	4,480	83	17	66	213	103	110
307	C. Charleston	4,433	540	526	14	754	225	529
308	U. DC	4,426	0	0	0	853	11	842
309	Bryn Mawr C.	4,400	0	0	0	152	152	0
310	Langston U.	4,371	0	0	0	0	0	0
311	DePaul U.	4,321	385	0	385	774	692	82
312	Wellesley C.	4,252	289	108	181	779	526	253
313	TX Christian U.	4,216	0	0	0	207	113	94
314	CA State U. Fullerton	4,167	2,376	730	1,646	561	561	0
315	Stephen F. Austin State U.	4,144	20	20	0	130	38	92

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
316	CA State U. Monterey Bay	4,045	46	46	0	596	253	343
317	U. TX-Pan American	4,038	14	14	0	276	183	93
318	AR State U. main campus	4,035	6	6	0	341	165	176
319	CUNY Herbert H. Lehman C.	4,019	35	21	14	73	73	0
320	SC State U.	3,796	10	10	0	10	10	0
321	U. of the Pacific	3,750	175	35	140	18	3	15
322	CUNY Brooklyn C.	3,731	190	190	0	567	407	160
323	Morehouse C.	3,559	1,222	1,187	35	346	346	0
324	U. PR Humacao U. C.	3,540	127	127	0	647	647	0
325	Murray State U.	3,506	325	142	183	1,114	1,026	88
326	NY Institute of Technology all campuses	3,505	0	0	0	300	300	0
327	West TX A&M U.	3,463	0	0	0	0	0	0
328	Williams C.	3,459	0	0	0	0	0	0
329	U. North FL	3,448	1,677	292	1,385	936	338	598
330	Seton Hall U.	3,418	0	0	0	313	27	286
331	Fordham U.	3,413	791	791	0	282	282	0
332	Lamar U.	3,375	1,394	1,243	151	248	169	79
333	Carleton C.	3,365	0	0	0	0	0	0
334	Grand Valley State U.	3,354	NA	NA	NA	170	62	108
335	CA State U. East Bay	3,259	0	0	0	489	451	38
336	Midwestern U. (Chicago, IL)	3,204	0	0	0	1,155	1,155	0
337	St. Joseph's U.	3,195	288	248	40	70	70	0
338	Mt. Holyoke C.	3,179	51	37	14	458	159	299
339	CA State U. Dominguez Hills	3,088	0	0	0	1,101	641	460
340	KY State U.	3,044	0	0	0	177	136	41
341	U. NC Asheville	3,021	1,136	82	1,054	1,698	101	1,597
342	OR Institute of Technology	3,018	333	0	333	0	0	0
343	CA State Polytechnic U. Pomona	2,765	0	0	0	2,001	993	1,008
344	Spelman C.	2,759	25	25	0	358	358	0
345	Smith C.	2,749	81	60	21	122	121	1
346	Amherst C.	2,725	54	54	0	236	236	0
347	Hampshire C.	2,723	323	197	126	53	53	0
348	FL Gulf Coast U.	2,678	0	0	0	0	0	0
349	Claremont Graduate U.	2,677	121	0	121	189	182	7
350	Southern CT State U.	2,671	0	0	0	32	0	32

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
351	St. Cloud State U.	2,657	261	8	253	NA	NA	NA
352	Lincoln U. (Jefferson City, MO)	2,656	0	0	0	0	0	0
353	Milwaukee School of Engineering	2,628	225	0	225	226	0	226
354	CUNY C. Staten Island	2,577	50	50	0	288	288	0
355	Union C. (Schenectady, NY)	2,571	0	0	0	28	28	0
356	Albany C. of Pharmacy	2,565	0	0	0	0	0	0
357	WV State U.	2,537	50	50	0	237	227	10
358	Pittsburg State U.	2,522	0	0	0	391	391	0
359	Ft. Valley State U.	2,497	12	12	0	285	285	0
360	Savannah State U.	2,421	269	269	0	581	581	0
361	Sul Ross State U.	2,375	703	703	0	0	0	0
362	U. WI La Crosse	2,312	23	23	0	320	60	260
363	U. Northern CO	2,269	80	4	76	1,012	862	150
364	Bowdoin C.	2,254	0	0	0	486	78	408
365	Morehead State U.	2,254	400	0	400	928	0	928
366	Franklin & Marshall C.	2,225	140	140	0	60	58	2
367	Gallaudet U.	2,202	0	0	0	775	727	48
368	Middle TN State U.	2,166	0	0	0	0	0	0
369	Pomona C.	2,153	0	0	0	119	119	0
370	Occidental C.	2,109	1,001	0	1,001	143	0	143
371	U. Richmond	2,097	100	100	0	101	92	9
372	Macalester C.	2,081	0	0	0	0	0	0
373	GA Southern U.	2,078	34	34	0	467	322	145
374	Hope C.	2,060	18	18	0	18	18	0
375	Towson U.	2,041	137	0	137	37	0	37
376	Bowie State U.	2,033	0	0	0	208	208	0
377	Swarthmore C.	1,992	33	4	29	416	136	280
378	SUNY C. Buffalo	1,977	79	79	0	9	9	0
379	Christopher Newport U.	1,941	0	0	0	18	3	15
380	U. WI Stevens Point	1,926	0	0	0	226	32	194
381	AL State U.	1,900	202	202	0	100	100	0
382	Fairfield U.	1,897	20	0	20	186	17	169
383	Central WA U.	1,893	NA	NA	NA	356	19	337
384	TX Woman's U.	1,871	60	22	38	358	49	309
385	New England C. of Optometry	1,870	0	0	0	152	131	21

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
386	Shaw U.	1,864	0	0	0	28	28	0
387	Calvin C.	1,857	199	199	0	0	0	0
388	Chicago State U.	1,832	0	0	0	0	0	0
389	SUNY C. Plattsburgh	1,823	487	348	139	156	110	46
390	Bucknell U.	1,820	0	0	0	105	44	61
391	Ithaca C.	1,814	688	429	259	59	59	0
392	Grambling State U.	1,784	102	102	0	323	176	147
393	Kettering U.	1,758	50	50	0	159	44	115
394	Hamilton C. (Clinton, NY)	1,742	21	0	21	147	145	2
395	Harvey Mudd C.	1,738	3	3	0	0	0	0
396	Loyola C.	1,729	0	0	0	127	127	0
397	Southeastern LA U.	1,714	88	78	10	NA	NA	NA
398	St. John's U. (Jamaica, NY)	1,702	268	0	268	127	0	127
399	Long Island U. all campuses	1,684	0	0	0	NA	NA	NA
400	Lafayette C.	1,610	16	16	0	31	31	0
401	Bradley U.	1,606	1	1	0	72	72	0
402	Central State U.	1,579	NA	NA	NA	47	0	47
403	Black Hills State U.	1,566	138	33	105	663	535	128
404	SUNY C. Old Westbury	1,565	0	0	0	5	5	0
405	American U.	1,542	0	0	0	304	102	202
406	Western Carolina U.	1,516	429	429	0	577	577	0
407	CUNY York C.	1,513	0	0	0	0	0	0
408	Benedict C.	1,494	151	151	0	191	181	10
409	Furman U.	1,477	133	133	0	433	250	183
410	Nicholls State U.	1,475	434	0	434	390	245	145
411	IN State U. all campuses	1,473	45	45	0	174	92	82
412	U. WI Green Bay	1,416	0	0	0	454	28	426
413	U. Redlands	1,413	740	321	419	64	0	64
414	Trinity U.	1,386	18	18	0	7	7	0
415	U. Scranton	1,369	100	14	86	212	0	212
416	Northern KY U.	1,368	69	69	0	624	624	0
417	U. Hartford	1,360	0	0	0	0	0	0
418	U. Northern IA	1,353	0	0	0	159	117	42
419	State U. West GA	1,327	200	200	0	120	120	0
420	Colgate U.	1,308	0	0	0	89	89	0

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
421	Haverford C.	1,259	0	0	0	67	67	0
422	Sam Houston State U.	1,258	5	0	5	53	24	29
423	Colby C.	1,241	0	0	0	430	109	321
424	Reed C.	1,237	0	0	0	0	0	0
425	Trinity C. (Hartford, CT)	1,215	0	0	0	98	98	0
426	U. IL Springfield	1,208	189	0	189	8	0	8
427	A.T. Still U. of Health Sciences	1,206	250	0	250	0	0	0
428	NM Highlands U.	1,202	302	138	164	272	272	0
429	Western IL U.	1,190	0	0	0	0	0	0
430	Fuller Theological Seminary CA	1,174	179	0	179	91	91	0
431	Dickinson C.	1,163	42	42	0	8	8	0
432	PA C. of Optometry	1,149	16	16	0	120	120	0
433	U. WI Eau Claire	1,146	0	0	0	121	74	47
434	U. WI Superior	1,140	44	44	0	0	0	0
435	Skidmore C.	1,138	0	0	0	0	0	0
436	Rider U.	1,096	0	0	0	7	3	4
437	U. San Francisco	1,082	190	89	101	152	80	72
438	Grinnell C.	1,079	0	0	0	162	162	0
439	Bates C.	1,077	1	1	0	508	118	390
440	Appalachian State U.	1,076	79	71	8	101	101	0
441	U. WI Oshkosh	1,067	0	0	0	115	23	92
442	Oberlin C.	1,059	0	0	0	2	2	0
443	Pace U. all campuses	1,053	0	0	0	198	185	13
444	Southern OR U.	1,015	37	37	0	15	0	15
445	SUNY C. Oswego	1,010	0	0	0	0	0	0
446	Philadelphia C. of Osteopathic Medicine	973	42	0	42	0	0	0
447	SUNY C. Geneseo	951	309	309	0	309	309	0
448	Western U. of Health Sciences	946	92	0	92	482	482	0
449	Kansas City U. of Medicine and Biosciences	944	22	22	0	20	20	0
450	Elizabeth City State U.	929	209	72	137	26	26	0
451	Lawrence Technological U.	917	0	0	0	0	0	0
452	Drake U.	901	27	27	0	65	36	29
453	CUNY Baruch C.	896	37	0	37	0	0	0
454	Roger Williams U. Bristol	849	0	0	0	396	380	16
455	Chapman U.	839	0	0	0	13	13	0

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
456	Eastern OR U.	834	4	4	0	7	7	0
457	Fayetteville State U.	821	0	0	0	129	129	0
458	Central CT State U.	812	0	0	0	158	0	158
459	Northeastern State U.	786	0	0	0	336	90	246
460	Monmouth U.	779	17	0	17	94	94	0
461	Seattle U.	764	0	0	0	0	0	0
462	Allegheny C.	751	0	0	0	0	0	0
463	U. Houston-Clear Lake	743	0	0	0	0	0	0
464	Sinte Gleska U.	732	0	0	0	151	151	0
465	Juniata C.	721	9	9	0	42	18	24
466	NJ City U.	720	0	0	0	90	90	0
467	CUNY Medgar Evers C.	707	20	0	20	0	0	0
468	U. of the Sciences Philadelphia	704	0	0	0	0	0	0
469	Gettysburg C.	688	0	0	0	5	5	0
470	Indiana U. PA all campuses	684	0	0	0	120	53	67
471	CO State U. Pueblo	663	0	0	0	0	0	0
472	VA Military Institute	662	0	0	0	0	0	0
473	U.S. Coast Guard Academy	660	0	0	0	0	0	0
474	SUNY C. Brockport	659	125	125	0	41	32	9
475	Coastal Carolina U.	656	13	13	0	366	8	358
476	Sonoma State U.	650	0	0	0	0	0	0
477	Evergreen State C.	647	0	0	0	0	0	0
478	Augustana C. (Sioux Falls, SD)	644	0	0	0	603	603	0
479	St. Olaf C.	643	0	0	0	0	0	0
480	Loyola Marymount U.	621	0	0	0	32	11	21
481	McNeese State U.	614	0	0	0	0	0	0
482	TX A&M U. Commerce	608	0	0	0	0	0	0
483	Augsburg C.	606	0	0	0	68	68	0
484	MS Valley State U.	606	0	0	0	0	0	0
485	Whitman C.	595	0	0	0	0	0	0
486	U. WI Parkside	577	36	36	0	0	0	0
487	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	0	0	0	0
488	Loyola U. New Orleans	567	0	0	0	152	35	117
489	SUNY C. Cortland	563	6	0	6	81	81	0
490	Hendrix C.	550	0	0	0	340	316	24

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
491	MN State U. Mankato	549	NA	NA	NA	21	21	0
492	Andrews U.	533	0	0	0	87	31	56
493	Lincoln U. (Lincoln University, PA)	526	0	0	0	181	13	168
494	Truman State U.	524	0	0	0	0	0	0
495	Ft. Lewis C.	519	0	0	0	31	31	0
496	Roanoke C.	518	0	0	0	74	74	0
497	John Carroll U.	506	0	0	0	309	309	0
498	C. of the Holy Cross	505	0	0	0	31	31	0
499	Washington and Lee U.	501	0	0	0	0	0	0
500	Maharishi U. of Management	492	164	164	0	0	0	0
501	Valparaiso U.	488	34	34	0	49	37	12
502	Gustavus Adolphus C.	487	0	0	0	15	1	14
503	Eastern KY U.	486	0	0	0	191	191	0
504	Southeastern OK State U.	485	0	0	0	198	155	43
505	Lewis and Clark C.	479	0	0	0	45	45	0
506	Kennesaw State U.	477	28	14	14	59	24	35
507	U. Portland	477	0	0	0	28	28	0
508	Wabash C.	464	0	0	0	0	0	0
509	OH Wesleyan U.	459	46	46	0	0	0	0
510	St. Mary's C. MD	459	0	0	0	0	0	0
511	West Chester U. PA	457	0	0	0	56	0	56
512	U. WI Platteville	447	0	0	0	28	0	28
513	U. TX Tyler	440	0	0	0	0	0	0
514	Simmons C.	433	26	0	26	52	36	16
515	Kalamazoo C.	422	0	0	0	0	0	0
516	Pacific U.	421	0	0	0	0	0	0
517	U. WI Stout	415	0	0	0	0	0	0
518	St. Mary's U. (San Antonio, TX)	405	148	148	0	194	0	194
519	Bluefield State C.	359	0	0	0	99	99	0
520	Saginaw Valley State U.	350	0	0	0	173	13	160
521	U. of the South	349	0	0	0	16	5	11
522	Providence C.	346	0	0	0	181	181	0
523	U. WI River Falls	345	0	0	0	38	38	0
524	U. Houston-Downtown	329	0	0	0	77	77	0
525	U. of St. Thomas (St. Paul, MN)	324	0	0	0	48	37	11

TABLE 45. R&D expenditures passed through to subrecipients and passed-through expenditures received as a subrecipient by universities and colleges, ranked by all R&D expenditures: FY 2005  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	R&D expenditures passed through to subrecipients			R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
526	National U. of Health Sciences	323	0	0	0	51	51	0
527	IL Wesleyan U.	322	0	0	0	218	0	218
528	U. Puget Sound	319	69	69	0	91	91	0
529	U. New Haven	314	0	0	0	50	50	0
530	U. WI Whitewater	305	0	0	0	51	0	51
531	Augustana C. (Rock Island, IL)	300	0	0	0	0	0	0
532	Rhodes C.	286	21	21	0	2	2	0
533	WV School of Osteopathic Medicine	270	0	0	0	96	0	96
534	Heritage U. (Toppenish, WA)	266	0	0	0	28	28	0
535	Point Loma Nazarene C.	261	98	98	0	0	0	0
536	New C. FL	259	0	0	0	8	8	0
537	Lake Forest C.	242	0	0	0	0	0	0
538	Governors State U.	237	0	0	0	16	16	0
539	Abilene Christian U.	233	0	0	0	0	0	0
540	Bridgewater State C.	230	0	0	0	94	0	94
541	Muhlenberg C.	230	0	0	0	0	0	0
542	Northeastern IL U.	227	0	0	0	3	0	3
543	Clafin U.	222	0	0	0	17	17	0
544	U. Central OK	216	0	0	0	100	100	0
545	Pitzer C.	205	0	0	0	0	0	0
546	Mayville State U.	185	0	0	0	185	185	0
547	Wiley C.	181	0	0	0	136	51	85
548	SUNY Fredonia	175	0	0	0	0	0	0
549	Cooper Union	173	0	0	0	0	0	0
550	Fitchburg State C.	161	0	0	0	0	0	0
551	TX A&M International U.	155	0	0	0	3	0	3
552	Willamette U.	154	0	0	0	0	0	0

NA = not available; data were not provided by institution.

<sup>a</sup> Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

<sup>b</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$678 million in total R&D expenditures.

NOTES: Institutions that are not listed in this table did not respond to item 1A, R&D expenditures passed through to subrecipients, or 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 2005.



TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
	All institutions	26,653,997	2,638,853	1,363,265	864,539	2,913,503	1,352,671	1,315,256
1	Johns Hopkins U., The <sup>b</sup>	1,277,292	116,522	NA	NA	62,231	NA	NA
2	U. WA	606,317	0	0	0	0	0	0
3	Stanford U.	574,675	75,725	503	75,222	77,352	32,353	44,999
4	U. MI all campuses	554,516	52,837	30,892	21,945	57,862	24,138	33,724
5	U. WI Madison	477,582	55,066	34,894	20,172	42,588	12,861	29,727
6	U. PA	465,284	46,673	25,034	21,639	44,280	25,563	18,717
7	MA Institute of Technology	457,235	30,795	16,602	14,193	82,918	32,211	50,707
8	Columbia U. in the City of NY	453,188	54,486	30,512	23,974	42,517	18,964	23,553
9	U. CO all campuses	449,366	64,210	26,358	37,852	74,451	49,851	24,600
10	U. Pittsburgh all campuses	420,281	31,432	16,345	15,087	42,178	22,900	19,278
11	Washington U. St. Louis	400,699	31,581	19,757	11,824	27,672	17,945	9,727
12	Harvard U.	395,906	47,949	21,704	26,245	49,182	16,815	32,367
13	Duke U.	376,568	55,090	55,090	0	0	0	0
14	Cornell U. all campuses	365,694	37,303	NA	NA	36,591	15,925	20,666
15	PA State U. all campuses	358,569	NA	NA	NA	19,221	19,221	0
16	Yale U.	332,702	32,221	17,054	15,167	29,307	15,078	14,229
17	U. Southern CA	330,126	46,175	17,413	28,762	32,963	20,527	12,436
18	U. NC Chapel Hill	320,294	36,835	19,334	17,501	26,606	19,223	7,383
19	U. MN all campuses	319,771	46,431	NA	NA	31,380	NA	NA
20	Baylor C. of Medicine	300,638	39,819	33,098	6,721	19,552	11,957	7,595
21	OH State U. all campuses	294,053	25,771	24,185	1,586	39,511	18,871	20,640
22	U. AZ	292,811	49,846	NA	NA	53,345	35,320	18,025
23	U. IL Urbana-Champaign	289,985	30,101	23,933	6,168	39,422	17,874	21,548
24	U. AL Birmingham, The	288,434	33,127	22,322	10,805	37,022	19,837	17,185
25	Vanderbilt U.	281,694	26,368	15,806	10,562	25,754	14,039	11,715
26	Scripps Research Institute, The	272,969	22,978	22,978	0	12,100	11,613	487
27	Emory U.	266,868	16,196	10,895	5,301	35,731	17,978	17,753
28	U. Rochester	257,497	17,588	10,984	6,604	19,236	NA	NA
29	U. TX Austin	254,529	16,245	6,081	10,164	56,182	21,889	34,293
30	CA Institute of Technology	249,371	17,312	17,312	0	31,520	21,677	9,843
31	U. Chicago	245,679	23,813	16,769	7,044	23,408	14,123	9,285
32	GA Institute of Technology all campuses	245,130	22,207	15,721	6,486	45,649	15,778	29,871
33	Northwestern U.	244,113	22,170	NA	NA	30,536	NA	NA
34	U. FL	231,699	31,398	28,258	3,140	59,331	19,046	40,285
35	Boston U.	228,842	22,838	14,121	8,717	22,394	11,561	10,833

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
36	OR Health & Science U.	217,145	14,709	6,692	8,017	19,474	10,373	9,101
37	U. IA	216,354	14,452	0	14,452	12,848	0	12,848
38	TX A&M U. all campuses	212,923	23,418	17,553	5,865	25,431	13,807	11,624
39	Case Western Reserve U.	212,485	17,298	17,169	129	19,348	19,348	0
40	U. Cincinnati all campuses	202,654	14,840	5,990	8,850	12,523	4,329	8,194
41	U. TX Southwestern Medical Ctr. Dallas	202,057	18,085	12,979	5,106	12,792	9,891	2,901
42	U. VA all campuses	200,726	17,510	13,546	3,964	0	0	0
43	U. IL Chicago	198,163	14,485	7,468	7,017	20,972	13,510	7,462
44	U. MD College Park	196,008	3,624	0	3,624	14,099	5,729	8,370
45	NY U.	191,782	15,520	12,336	3,184	18,953	18,953	0
46	Mt. Sinai School of Medicine	191,326	17,237	17,237	0	13,166	8,755	4,411
47	U. HI Manoa	190,137	19,499	5,203	14,296	19,585	5,362	14,223
48	Carnegie Mellon U.	173,902	24,189	15,291	8,898	51,131	9,356	41,775
49	IN U. all campuses	171,528	17,561	10,494	7,067	15,791	9,459	6,332
50	U. UT	168,652	12,822	7,052	5,770	18,043	7,219	10,824
51	U. TX M. D. Anderson Cancer Ctr.	160,953	11,771	6,373	5,398	25,952	8,536	17,416
52	Yeshiva U.	160,894	1,273	1,273	0	12,200	12,200	0
53	MI State U.	156,461	15,458	10,720	4,738	19,358	10,512	8,846
54	U. Miami	156,059	12,957	3,983	8,974	8,176	4,931	3,245
55	CO State U.	154,245	15,921	NA	NA	22,561	NA	NA
56	SUNY Buffalo all campuses	151,890	8,890	6,279	2,611	NA	NA	NA
57	Purdue U. all campuses	150,351	14,708	11,411	3,297	23,082	12,997	10,085
58	U. of Medicine and Dentistry NJ	143,239	10,844	6,398	4,446	4,328	3,288	1,040
59	U. KY all campuses	142,794	14,731	14,731	0	24,416	8,875	15,541
60	U. South FL	142,580	23,779	NA	NA	NA	NA	NA
61	Wake Forest U.	141,685	22,033	14,673	7,360	18,772	14,475	4,297
62	Rutgers, The State U. NJ all campuses	137,609	20,537	16,263	4,274	19,680	11,043	8,637
63	U. CT all campuses	134,347	10,414	6,780	3,634	19,245	7,868	11,377
64	U. MA Worcester	130,680	8,533	8,533	0	11,481	4,390	7,091
65	U. NM all campuses	129,557	11,602	8,333	3,269	27,103	13,864	13,239
66	U. MD Baltimore	129,270	0	0	0	0	0	0
67	U. NE all campuses	129,216	17,675	13,983	3,692	24,688	9,893	14,795
68	LA State U. all campuses	128,324	9,685	6,607	3,078	167	167	0
69	SUNY Stony Brook all campuses	125,781	7,180	269	6,911	12,946	6,714	6,232
70	Dartmouth C.	122,329	13,840	9,825	4,015	12,399	8,002	4,397

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
71	U. TN all campuses	121,004	9,569	7,120	2,449	0	0	0
72	Wayne State U.	120,581	9,467	5,256	4,211	9,030	4,522	4,508
73	Princeton U.	120,042	14,533	9,997	4,536	12,383	7,191	5,192
74	U. TX Medical Branch	117,235	13,974	10,226	3,748	9,800	5,897	3,903
75	U. TX Health Science Ctr. Houston	112,509	17,410	12,272	5,138	16,646	12,043	4,603
76	U. KS all campuses	110,768	9,990	7,563	2,427	18,587	6,589	11,998
77	VA Polytechnic Institute and State U.	109,842	12,770	8,579	4,191	20,913	9,119	11,794
78	NC State U.	109,128	10,891	7,256	3,635	17,543	11,801	5,742
79	OR State U.	109,030	9,877	5,820	4,057	14,778	8,061	6,717
80	Medical U. SC	108,196	7,756	4,100	3,656	13,659	5,057	8,602
81	FL State U.	105,747	20,132	9,195	10,937	24,483	4,497	19,986
82	SUNY Albany	103,941	1,867	1,315	552	4,700	2,197	2,503
83	U. GA	102,966	17,689	NA	NA	9,786	NA	NA
84	Medical C. WI	102,859	12,473	4,061	8,412	6,881	4,840	2,041
85	Woods Hole Oceanographic Institution	100,747	5,216	2,982	2,234	10,217	10,217	0
86	Georgetown U.	100,328	10,348	3,721	6,627	13,825	6,664	7,161
87	Tufts U.	98,200	4,892	3,325	1,567	9,020	4,358	4,662
88	IA State U.	98,005	12,897	10,239	2,658	13,197	NA	NA
89	VA Commonwealth U.	97,322	6,362	4,515	1,847	5,271	2,820	2,451
90	U. MO-Columbia	96,038	8,918	3,599	5,319	8,074	4,519	3,555
91	U. TX Health Science Ctr. San Antonio	95,125	11,773	3,391	8,382	7,536	5,189	2,347
92	Tulane U.	94,628	13,741	8,929	4,812	16,497	11,039	5,458
93	AZ State U. main campus	94,545	8,837	5,024	3,813	18,318	6,951	11,367
94	NM State U. all campuses	91,247	16,015	6,097	9,918	14,545	4,479	10,066
95	Brown U.	90,857	17,606	8,894	8,712	5,720	2,446	3,274
96	U. AK Fairbanks all campuses	89,637	5,336	NA	NA	7,435	NA	NA
97	U. OK all campuses	87,776	8,094	5,790	2,304	18,366	7,476	10,890
98	Thomas Jefferson U.	86,171	5,999	4,806	1,193	9,205	4,574	4,631
99	Rockefeller U.	85,552	6,451	6,451	0	5,026	4,182	844
100	MS State U.	84,465	17,370	12,044	5,326	12,861	4,529	8,332
101	WA State U.	80,222	7,215	4,658	2,557	8,659	5,468	3,191
102	U. VT	79,879	5,025	2,415	2,610	11,960	6,070	5,890
103	George Washington U.	78,779	20,522	11,316	9,206	6,560	2,214	4,346
104	U. NH	78,653	13,272	NA	NA	0	0	0
105	U. DE	74,721	7,802	NA	NA	10,206	6,889	3,317

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
106	MT State U. Bozeman	71,604	13,055	NA	NA	13,797	NA	NA
107	U. MS all campuses	67,603	8,857	6,683	2,174	9,784	4,785	4,999
108	U. Louisville	67,104	6,233	3,740	2,493	7,759	4,656	3,103
109	U. MA Amherst	66,921	6,033	6,033	0	2,760	1,876	884
110	U. SC all campuses	65,095	6,042	5,148	894	8,303	6,300	2,003
111	Drexel U.	62,606	11,602	NA	NA	7,587	NA	NA
112	WV U.	62,489	5,619	2,684	2,935	13,746	5,924	7,822
113	U. NV, Reno	60,329	4,694	3,456	1,238	16,386	11,266	5,120
114	U. AR for Medical Sciences	59,053	5,098	4,813	285	7,216	2,106	5,110
115	KS State U.	58,821	7,745	5,995	1,750	12,869	5,365	7,504
116	U. Dayton	58,782	15,136	1,984	13,152	10,206	515	9,691
117	Clemson U.	56,829	6,997	NA	NA	13,712	NA	NA
118	Rice U.	54,735	6,179	6,060	119	10,442	8,329	2,113
119	Temple U.	53,987	2,312	1,093	1,219	8,104	5,234	2,870
120	FL International U.	51,328	3,710	0	3,710	1,100	0	1,100
121	Auburn U. all campuses	51,319	3,111	3,111	0	14,546	5,293	9,253
122	U. of Notre Dame	51,072	7,639	6,982	657	5,071	2,657	2,414
123	Uniformed Services U. of the Health Sciences	50,016	0	0	0	0	0	0
124	Rush U.	49,150	4,471	4,471	0	7,804	6,306	1,498
125	U. ID	47,212	5,608	4,945	663	6,743	3,616	3,127
126	Syracuse U. all campuses	46,945	3,348	2,391	957	5,532	2,640	2,892
127	ND State U. all campuses	46,060	7,714	NA	NA	6,785	3,407	3,378
128	St. Louis U. all campuses	44,757	9,189	5,985	3,204	6,892	6,043	849
129	U. OR	43,564	2,910	2,287	623	4,617	1,924	2,693
130	U. MD Baltimore County	43,377	0	0	0	0	0	0
131	Naval Postgraduate School	43,079	3,998	NA	NA	1,887	918	969
132	Hampton U.	42,792	30,612	29,945	667	689	612	77
133	U. AL Huntsville, The	42,358	3,932	1,809	2,123	4,629	2,518	2,111
134	Rensselaer Polytechnic Institute	42,338	4,262	3,439	823	10,774	5,555	5,219
135	U. RI	42,132	6,058	5,622	436	2,697	2,611	86
136	Medical C. GA	41,910	1,586	1,337	249	2,656	2,398	258
137	Charles R. Drew U. of Medicine and Science	41,207	1,300	700	600	4,000	2,500	1,500
138	Howard U.	40,020	3,419	3,419	0	5,101	5,101	0
139	U. Central FL	40,013	4,230	0	4,230	0	0	0
140	Brandeis U.	39,788	2,724	1,734	990	3,612	2,276	1,336

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
141	U. Houston	37,262	0	0	0	1,988	1,457	531
142	OK State U. all campuses	36,637	5,035	NA	NA	8,361	NA	NA
143	Northeastern U.	36,524	10,742	7,312	3,430	3,931	2,333	1,598
144	George Mason U.	36,475	4,226	519	3,707	4,958	890	4,068
145	U. MT, The	36,433	5,072	3,809	1,263	4,630	1,918	2,712
146	U. NV, Las Vegas	35,942	9,062	5,304	3,758	4,928	2,241	2,687
147	NJ Institute of Technology	35,716	7,413	643	6,770	14,582	2,409	12,173
148	San Diego State U.	35,328	8,011	5,419	2,592	5,276	3,891	1,385
149	U. Southern MS	34,941	4,129	3,030	1,099	9,155	5,365	3,790
150	U. AR main campus	33,496	2,344	1,894	450	5,981	2,365	3,616
151	TX A&M U. System Health Science Ctr.	32,949	1,750	1,127	623	2,811	2,796	15
152	U. ND all campuses	32,092	5,187	3,255	1,932	2,855	2,091	764
153	U. MD Biotechnology Institute	31,276	2,097	1,659	438	11,319	10,954	365
154	Loyola U. Chicago	30,584	1,141	1,141	0	3,680	2,579	1,101
155	Jackson State U.	30,472	6,793	6,044	749	1,937	412	1,525
156	U. PR Medical Sciences Campus	29,863	2,044	2,044	0	1,737	871	866
157	U. WY	29,351	2,181	965	1,216	3,802	1,859	1,943
158	U. ME	28,951	3,712	753	2,959	5,713	1,574	4,139
159	Desert Research Institute	28,655	2,179	1,731	448	7,345	2,671	4,674
160	Meharry Medical C.	27,408	1,697	1,261	436	2,390	2,390	0
161	C. of William and Mary all campuses	26,898	4,816	2,174	2,642	5,290	1,291	3,999
162	Loma Linda U.	26,855	5,697	0	5,697	1,338	359	979
163	NY Medical C.	25,242	953	953	0	2,142	873	1,269
164	GA State U.	25,204	4,227	4,067	160	4,880	2,239	2,641
165	Old Dominion U.	24,463	2,417	2,114	303	5,196	2,203	2,993
166	U. AL, The	24,393	4,678	3,180	1,498	5,452	3,109	2,343
167	Morehouse School of Medicine	24,213	1,322	874	448	2,630	2,250	380
168	SUNY Health Science Ctr. Brooklyn	23,466	5,925	5,925	0	3,736	907	2,829
169	SUNY Upstate Medical U.	23,275	1,524	434	1,090	3,597	2,371	1,226
170	CUNY The City C.	22,289	2,593	0	2,593	1,475	381	1,094
171	TX Tech U.	22,071	1,602	1,582	20	3,844	2,622	1,222
172	U. MO-Rolla	21,772	1,840	703	1,137	1,182	549	633
173	San Jose State U.	21,160	2,581	NA	NA	17	NA	NA
174	Lehigh U.	21,061	990	959	31	2,818	1,099	1,719
175	OH U. all campuses	20,736	2,277	1,052	1,225	4,315	1,496	2,819

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
176	Wright State U. all campuses	20,527	2,045	951	1,094	2,353	893	1,460
177	Eastern VA Medical School	19,969	10,404	3,130	7,274	6,700	2,047	4,653
178	U. TX Dallas	19,933	4,632	2,936	1,696	4,414	3,476	938
179	MI Technological U.	19,760	1,841	1,108	733	4,172	NA	NA
180	Marshall U.	18,660	2,015	1,832	183	6,362	4,077	2,285
181	Stevens Institute of Technology	18,626	3,174	1,639	1,535	827	246	581
182	Portland State U.	18,580	2,012	1,232	780	7,484	3,195	4,289
183	CUNY Hunter C.	18,544	759	545	214	770	579	191
184	Boston C.	17,801	NA	NA	NA	3,136	1,005	2,131
185	U. TX Arlington	17,654	2,192	1,274	918	2,193	1,067	1,126
186	U. MA Lowell	17,608	1,480	267	1,213	2,863	0	2,863
187	U. North TX Health Science Ctr. Ft. Worth	17,037	NA	NA	NA	453	448	5
188	Southern IL U. Carbondale	16,975	752	622	130	3,628	1,224	2,404
189	U. MO-Kansas City	16,960	1,723	810	913	1,795	1,451	344
190	Brigham Young U. all campuses	16,878	1,658	1,087	571	3,625	2,439	1,186
191	U. South AL	16,538	806	NA	NA	2,017	604	1,413
192	IL Institute of Technology	16,493	2,634	2,084	550	3,909	1,970	1,939
193	NC Agricultural and Technical State U.	16,348	1,993	1,316	677	3,696	1,854	1,842
194	Catholic U. America, The	16,252	491	49	442	7,715	463	7,252
195	U. LA Lafayette	16,159	415	391	24	1,401	349	1,052
196	FL Atlantic U.	15,956	1,367	841	526	3,257	588	2,669
197	U. TX San Antonio	15,924	821	821	0	1,315	1,130	185
198	U. WI Milwaukee	15,893	1,413	907	506	3,357	852	2,505
199	U. Toledo	15,521	592	128	464	2,908	768	2,140
200	CO School of Mines	15,501	3,132	961	2,171	3,380	351	3,029
201	U. SD	15,448	1,646	860	786	2,687	931	1,756
202	U. TX El Paso	15,378	5,341	2,159	3,182	4,228	2,461	1,767
203	U.S. Air Force Academy	15,165	200	200	0	0	0	0
204	U. Memphis, The	15,125	270	125	145	6,046	1,648	4,398
205	Medical U. OH	14,756	2,181	1,301	880	1,093	853	240
206	Northern AZ U.	14,547	723	286	437	1,262	688	574
207	U. PR Rio Piedras Campus	14,301	448	448	0	268	268	0
208	SD State U.	13,914	2,438	2,438	0	3,798	2,731	1,067
209	U. MD Ctr. for Environmental Science	13,853	4,030	1,612	2,418	1,165	0	1,165
210	Creighton U.	12,683	451	416	35	4,826	4,763	63

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
211	San Francisco State U.	12,457	NA	NA	NA	1,067	932	135
212	U. of the VI	12,213	0	0	0	0	0	0
213	ID State U.	12,087	335	278	57	4,406	2,037	2,369
214	AL A&M U.	12,005	1,988	1,807	181	906	882	24
215	Western MI U.	11,987	2,091	1,256	835	2,406	1,367	1,039
216	Rochester Institute of Technology	11,620	1,319	1,187	132	1,547	454	1,093
217	Albany Medical C.	11,525	188	136	52	192	136	56
218	Clark Atlanta U.	11,346	316	240	76	2,976	1,963	1,013
219	Mercer U. all campuses	11,235	1,063	198	865	0	0	0
220	East Carolina U.	10,967	1,339	1,083	256	933	865	68
221	U. PR Mayaguez Campus	10,786	70	70	0	80	80	0
222	SD School of Mines and Technology	10,752	485	401	84	1,793	741	1,052
223	U. NC Wilmington	10,665	3,241	1,968	1,273	1,729	1,095	634
224	SUNY Binghamton	10,494	944	821	123	0	0	0
225	TN State U.	10,446	68	68	0	40	40	0
226	U. NC Charlotte	10,362	2,346	959	1,387	1,684	835	849
227	U. Akron all campuses	10,246	609	293	316	1,881	531	1,350
228	Rosalind Franklin U. of Medicine and Science	9,974	160	160	0	539	539	0
229	U. MA Dartmouth	9,852	1,620	1,362	258	658	365	293
230	CA State U. Los Angeles	9,797	442	442	0	890	626	264
231	Wichita State U.	9,589	155	88	67	1,849	1,008	841
232	Worcester Polytechnic Institute	9,424	439	381	58	2,359	1,301	1,058
233	U. Denver	9,017	705	424	281	963	778	185
234	U. HI Hilo	8,998	62	62	0	472	472	0
235	U. Tulsa	8,969	1,214	876	338	649	526	123
236	U. West FL	8,787	353	203	150	1,880	513	1,367
237	Polytechnic U.	8,623	445	445	0	450	450	0
238	CA State U. Long Beach	8,577	1,966	NA	NA	923	384	539
239	Universidad Central del Caribe	8,543	0	0	0	379	323	56
240	Tuskegee U.	8,478	0	0	0	0	0	0
241	Prairie View A&M U.	8,464	63	63	0	1,124	766	358
242	Boise State U.	8,447	0	0	0	NA	NA	NA
243	Southern Methodist U.	8,415	1,256	1,044	212	1,240	975	265
244	Morgan State U.	8,126	NA	NA	NA	891	643	248
245	Miami U. all campuses	8,014	150	146	4	1,884	471	1,413

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
246	Northern IL U.	7,897	1,376	1,052	324	925	574	351
247	Kent State U. all campuses	7,619	466	386	80	2,041	940	1,101
248	Cleveland State U.	7,206	899	227	672	908	478	430
249	U. North TX	7,003	220	0	220	7	0	7
250	Marquette U.	6,979	928	828	100	853	522	331
251	TX Tech U. Health Science Ctr.	6,730	237	229	8	1,096	948	148
252	Ponce School of Medicine	6,715	0	0	0	202	0	202
253	Embry-Riddle Aeronautical U.	6,642	995	546	449	1,651	6	1,645
254	Bowling Green State U. all campuses	6,418	398	310	88	1,156	822	334
255	Tarleton State U.	6,386	0	0	0	78	0	78
256	U. MA Boston	6,326	1,137	0	1,137	2,795	1,740	1,055
257	Teachers C. Columbia U.	6,187	1,224	NA	NA	1,568	NA	NA
258	Norfolk State U.	6,055	3	0	3	0	0	0
259	Fisk U.	6,000	0	0	0	100	0	100
260	U.S. Naval Academy	5,987	0	0	0	0	0	0
261	CA State U. San Bernardino	5,775	2,223	1,173	1,050	3,712	69	3,643
262	CA State Polytechnic U. San Luis Obispo	5,743	111	111	0	1,994	418	1,576
263	CA State U. Northridge	5,719	95	95	0	533	533	0
264	Oakland U.	5,599	270	270	0	300	187	113
265	CUNY Queens C.	5,443	700	378	322	2,550	184	2,366
266	U. MD Eastern Shore	5,432	0	0	0	55	55	0
267	Alcorn State U.	5,396	0	0	0	25	25	0
268	LA Tech U.	5,336	293	162	131	360	166	194
269	Ball State U.	5,260	2,621	1,895	726	1,819	348	1,471
270	Wesleyan U.	5,180	376	181	195	553	208	345
271	FL Institute of Technology	5,170	0	0	0	410	261	149
272	Southwest MO State U.	5,166	2,258	0	2,258	408	198	210
273	DE State U.	5,048	23	23	0	1,727	1,727	0
274	St. Francis U. (Loretto, PA)	4,981	98	98	0	412	412	0
275	TX A&M U. Kingsville	4,972	127	75	52	4,971	1,728	3,243
276	Air Force Institute of Technology	4,934	0	0	0	64	63	1
277	Western KY U.	4,915	3,711	1,791	1,920	1,031	833	198
278	CA State U. Fresno	4,870	0	0	0	280	180	100
279	TX A&M U. Corpus Christi	4,572	0	0	0	801	160	641
280	U. MO-St. Louis	4,470	630	630	0	934	518	416



TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
281	TX Southern U.	4,426	25	25	0	225	40	185
282	MT Tech of the U. MT	4,315	213	27	186	3,526	1,353	2,173
283	Eastern MI U.	4,156	104	104	0	606	318	288
284	U. AR Pine Bluff	3,933	10	10	0	798	798	0
285	U. NC Greensboro	3,876	508	159	349	483	297	186
286	Langston U.	3,848	0	0	0	0	0	0
287	CA State U. Monterey Bay	3,821	36	36	0	589	253	336
288	DePaul U.	3,776	385	0	385	724	673	51
289	Duquesne U.	3,717	175	175	0	560	549	11
290	CUNY Herbert H. Lehman C.	3,711	35	21	14	73	73	0
291	CA State U. Fullerton	3,570	2,245	614	1,631	561	561	0
292	James Madison U.	3,568	26	26	0	2,245	2,014	231
293	TN Technological U.	3,515	556	516	40	78	78	0
294	Rowan U.	3,339	148	148	0	2,363	978	1,385
295	U. PR Humacao U. C.	3,325	127	127	0	647	647	0
296	CUNY Graduate Ctr.	3,297	0	0	0	0	0	0
297	Northeastern OH Universities C. of Medicine	3,267	535	48	487	56	12	44
298	Morehouse C.	3,196	1,222	1,187	35	346	346	0
299	IL State U.	3,152	317	250	67	790	402	388
300	Central MI U.	3,086	957	0	957	303	175	128
301	TX Christian U.	3,068	0	0	0	202	113	89
302	KY State U.	3,044	0	0	0	177	136	41
303	C. Charleston	3,022	540	526	14	754	225	529
304	U. TX-Pan American	2,999	14	14	0	276	183	93
305	New School, The	2,960	0	0	0	0	0	0
306	U. DC	2,958	0	0	0	853	11	842
307	TX State U. San Marcos	2,921	509	509	0	2,233	2,137	96
308	Carleton C.	2,896	0	0	0	0	0	0
309	CA State Polytechnic U. Pomona	2,765	0	0	0	2,001	993	1,008
310	CUNY Brooklyn C.	2,694	190	190	0	567	407	160
311	VA State U.	2,668	0	0	0	0	0	0
312	Clark U.	2,611	83	17	66	213	103	110
313	St. Joseph's U.	2,596	262	248	14	70	70	0
314	SC State U.	2,587	10	10	0	10	10	0
315	Spelman C.	2,576	25	25	0	358	358	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
316	Ft. Valley State U.	2,492	12	12	0	285	285	0
317	Alfred U. all campuses	2,454	35	0	35	248	39	209
318	Wellesley C.	2,429	168	108	60	592	408	184
319	Savannah State U.	2,421	269	269	0	581	581	0
320	U. Baltimore	2,255	666	666	0	0	0	0
321	Gallaudet U.	2,138	0	0	0	775	727	48
322	WV State U.	2,128	50	50	0	227	227	0
323	CA State U. East Bay	2,122	0	0	0	331	293	38
324	Lincoln U. (Jefferson City, MO)	2,093	0	0	0	0	0	0
325	CA State U. Dominguez Hills	2,051	0	0	0	742	626	116
326	CA State U. Bakersfield	2,040	0	0	0	0	0	0
327	Bowie State U.	2,033	0	0	0	208	208	0
328	Western WA U.	2,023	9	9	0	225	216	9
329	FL Gulf Coast U.	1,995	0	0	0	0	0	0
330	Mt. Holyoke C.	1,869	51	37	14	222	159	63
331	Seton Hall U.	1,856	0	0	0	0	0	0
332	Smith C.	1,757	81	60	21	122	121	1
333	Williams C.	1,737	0	0	0	0	0	0
334	Shaw U.	1,727	0	0	0	23	23	0
335	Chicago State U.	1,724	0	0	0	0	0	0
336	Nova Southeastern U.	1,719	93	10	83	552	156	396
337	GA Southern U.	1,716	0	0	0	462	322	140
338	Morehead State U.	1,693	400	0	400	928	0	928
339	AL State U.	1,685	200	200	0	99	99	0
340	U. North FL	1,680	1,319	292	1,027	936	338	598
341	Christopher Newport U.	1,673	0	0	0	15	0	15
342	Southern CT State U.	1,666	0	0	0	0	0	0
343	U. NC Asheville	1,658	601	0	601	1,018	16	1,002
344	CUNY C. Staten Island	1,646	50	50	0	288	288	0
345	U. Richmond	1,615	100	100	0	92	92	0
346	West TX A&M U.	1,610	0	0	0	0	0	0
347	Central State U.	1,579	NA	NA	NA	47	0	47
348	Towson U.	1,571	50	0	50	37	0	37
349	Ithaca C.	1,558	688	429	259	59	59	0
350	OR Institute of Technology	1,517	333	0	333	0	0	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
351	U. Northern CO	1,509	80	4	76	817	692	125
352	Sul Ross State U.	1,506	703	703	0	0	0	0
353	New England C. of Optometry	1,474	0	0	0	31	10	21
354	Baylor U.	1,473	30	0	30	592	431	161
355	Grambling State U.	1,461	102	102	0	323	176	147
356	CUNY York C.	1,448	0	0	0	0	0	0
357	Black Hills State U.	1,445	108	3	105	663	535	128
358	Bowdoin C.	1,444	0	0	0	467	78	389
359	U. WI La Crosse	1,441	23	23	0	320	60	260
360	SUNY C. Old Westbury	1,422	0	0	0	5	5	0
361	Benedict C.	1,399	151	151	0	191	181	10
362	Fordham U.	1,383	791	791	0	282	282	0
363	St. John's U. (Jamaica, NY)	1,372	268	0	268	127	0	127
364	American U.	1,364	0	0	0	279	102	177
365	SUNY C. Plattsburgh	1,351	362	302	60	127	98	29
366	SUNY C. Buffalo	1,335	79	79	0	0	0	0
367	Murray State U.	1,310	43	0	43	928	840	88
368	Midwestern U. (Chicago, IL)	1,298	0	0	0	1,155	1,155	0
369	U. of the Pacific	1,292	175	35	140	18	3	15
370	Franklin & Marshall C.	1,277	140	140	0	60	58	2
371	Southeastern LA U.	1,276	76	72	4	NA	NA	NA
372	Amherst C.	1,270	54	54	0	83	83	0
373	Lamar U.	1,259	406	406	0	248	169	79
374	U. Redlands	1,237	695	321	374	64	0	64
375	Western Carolina U.	1,233	429	429	0	577	577	0
376	Long Island U. all campuses	1,227	0	0	0	NA	NA	NA
377	Swarthmore C.	1,194	33	4	29	416	136	280
378	Hope C.	1,181	18	18	0	18	18	0
379	Hamilton C. (Clinton, NY)	1,138	21	0	21	147	145	2
380	Hampshire C.	1,110	323	197	126	53	53	0
381	Claremont Graduate U.	1,104	0	0	0	42	35	7
382	Middle TN State U.	1,084	0	0	0	0	0	0
383	AR State U. main campus	1,080	6	6	0	0	0	0
384	PA C. of Optometry	1,060	16	16	0	120	120	0
385	U. LA Monroe	1,051	0	0	0	273	273	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
386	Southern IL U. Edwardsville	1,043	644	0	644	175	80	95
387	Lafayette C.	1,019	16	16	0	31	31	0
388	St. Cloud State U.	1,017	261	8	253	NA	NA	NA
389	U. Scranton	1,016	100	14	86	212	0	212
390	Furman U.	999	133	133	0	433	250	183
391	U. WI Green Bay	999	0	0	0	454	28	426
392	Fuller Theological Seminary CA	985	179	0	179	91	91	0
393	Philadelphia C. of Osteopathic Medicine	973	0	0	0	0	0	0
394	Bryn Mawr C.	966	0	0	0	152	152	0
395	Pace U. all campuses	958	0	0	0	198	185	13
396	TX Woman's U.	940	60	22	38	358	49	309
397	NM Highlands U.	930	84	61	23	0	0	0
398	Central WA U.	929	NA	NA	NA	356	19	337
399	State U. West GA	913	100	100	0	120	120	0
400	Elizabeth City State U.	888	209	72	137	26	26	0
401	Stephen F. Austin State U.	887	20	20	0	114	22	92
402	Occidental C.	880	180	0	180	63	0	63
403	U. WI Stevens Point	867	0	0	0	226	32	194
404	Colby C.	861	0	0	0	430	109	321
405	Haverford C.	857	0	0	0	67	67	0
406	U. IL Springfield	850	0	0	0	8	0	8
407	SUNY C. Geneseo	842	309	309	0	309	309	0
408	Oberlin C.	841	0	0	0	2	2	0
409	SUNY C. Oswego	839	0	0	0	0	0	0
410	U. WI Superior	830	44	44	0	0	0	0
411	Pomona C.	823	0	0	0	119	119	0
412	Bates C.	794	1	1	0	508	118	390
413	U. WI Eau Claire	791	0	0	0	121	74	47
414	Central CT State U.	788	0	0	0	158	0	158
415	Monmouth U.	779	17	0	17	94	94	0
416	Reed C.	774	0	0	0	0	0	0
417	Roger Williams U. Bristol	772	0	0	0	396	380	16
418	Northern KY U.	768	69	69	0	556	556	0
419	Harvey Mudd C.	767	3	3	0	0	0	0
420	U. Hartford	767	0	0	0	0	0	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
421	Trinity U.	759	18	18	0	7	7	0
422	Rose-Hulman Institute of Technology	741	0	0	0	24	23	1
423	Skidmore C.	741	0	0	0	0	0	0
424	Macalester C.	739	0	0	0	0	0	0
425	Southern OR U.	739	37	37	0	0	0	0
426	Bucknell U.	721	0	0	0	82	21	61
427	Pittsburg State U.	716	0	0	0	391	391	0
428	Calvin C.	714	199	199	0	0	0	0
429	Fayetteville State U.	711	0	0	0	129	129	0
430	CUNY Medgar Evers C.	701	20	0	20	0	0	0
431	Kettering U.	701	50	50	0	159	44	115
432	Colgate U.	696	0	0	0	89	89	0
433	Nicholls State U.	674	434	0	434	47	47	0
434	U.S. Coast Guard Academy	660	0	0	0	0	0	0
435	Union C. (Schenectady, NY)	657	0	0	0	28	28	0
436	NJ City U.	650	0	0	0	90	90	0
437	U. WI Oshkosh	650	0	0	0	115	23	92
438	Milwaukee School of Engineering	648	0	0	0	0	0	0
439	Evergreen State C.	647	0	0	0	0	0	0
440	Western U. of Health Sciences	639	92	0	92	482	482	0
441	Northeastern State U.	625	0	0	0	303	57	246
442	Sinte Gleska U.	612	0	0	0	151	151	0
443	Trinity C. (Hartford, CT)	611	0	0	0	98	98	0
444	Augsburg C.	606	0	0	0	68	68	0
445	MS Valley State U.	606	0	0	0	0	0	0
446	Grinnell C.	603	0	0	0	162	162	0
447	CO State U. Pueblo	598	0	0	0	0	0	0
448	Eastern OR U.	594	0	0	0	0	0	0
449	Augustana C. (Sioux Falls, SD)	591	0	0	0	550	550	0
450	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	0	0	0	0
451	U. Northern IA	569	0	0	0	159	117	42
452	Loyola C.	551	0	0	0	127	127	0
453	U. San Francisco	545	89	89	0	80	80	0
454	IN State U. all campuses	544	45	45	0	174	92	82
455	Juniata C.	537	9	9	0	42	18	24

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
456	Gettysburg C.	536	0	0	0	0	0	0
457	Vassar C.	535	23	23	0	19	19	0
458	Grand Valley State U.	534	NA	NA	NA	147	53	94
459	Lincoln U. (Lincoln University, PA)	526	0	0	0	181	13	168
460	Indiana U. PA all campuses	513	0	0	0	104	53	51
461	Appalachian State U.	503	79	71	8	94	94	0
462	U. WI Parkside	501	36	36	0	0	0	0
463	Whitman C.	499	0	0	0	0	0	0
464	Maharishi U. of Management	492	164	164	0	0	0	0
465	Hendrix C.	476	0	0	0	300	276	24
466	Southeastern OK State U.	475	0	0	0	198	155	43
467	Loyola Marymount U.	473	0	0	0	32	11	21
468	Coastal Carolina U.	453	13	13	0	366	8	358
469	Western IL U.	446	0	0	0	0	0	0
470	Sonoma State U.	445	0	0	0	0	0	0
471	SUNY C. Brockport	436	125	125	0	41	32	9
472	Seattle U.	421	0	0	0	0	0	0
473	St. Mary's U. (San Antonio, TX)	405	148	148	0	194	0	194
474	Washington and Lee U.	404	0	0	0	0	0	0
475	Drake U.	398	27	27	0	65	36	29
476	St. Olaf C.	390	0	0	0	0	0	0
477	SUNY C. Cortland	386	6	0	6	81	81	0
478	McNeese State U.	382	0	0	0	0	0	0
479	Valparaiso U.	372	34	34	0	37	37	0
480	Gustavus Adolphus C.	368	0	0	0	15	1	14
481	Loyola U. New Orleans	367	0	0	0	152	35	117
482	Bluefield State C.	359	0	0	0	99	99	0
483	Lawrence Technological U.	354	0	0	0	0	0	0
484	Albany C. of Pharmacy	351	0	0	0	0	0	0
485	Bradley U.	346	1	1	0	72	72	0
486	John Carroll U.	345	0	0	0	309	309	0
487	A.T. Still U. of Health Sciences	344	0	0	0	0	0	0
488	West Chester U. PA	337	0	0	0	56	0	56
489	OH Wesleyan U.	325	46	46	0	0	0	0
490	U. Houston-Clear Lake	324	0	0	0	0	0	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
491	U. Houston-Downtown	317	0	0	0	77	77	0
492	Allegheny C.	315	0	0	0	0	0	0
493	C. of the Holy Cross	312	0	0	0	31	31	0
494	Rider U.	308	0	0	0	5	1	4
495	Providence C.	306	0	0	0	181	181	0
496	St. Mary's C. MD	306	0	0	0	0	0	0
497	Chapman U.	303	0	0	0	13	13	0
498	Eastern KY U.	294	0	0	0	191	191	0
499	Kennesaw State U.	293	14	14	0	59	24	35
500	U. WI Stout	285	0	0	0	0	0	0
501	U. Puget Sound	281	69	69	0	91	91	0
502	U. WI Whitewater	277	0	0	0	51	0	51
503	Heritage U. (Toppenish, WA)	266	0	0	0	28	28	0
504	Fairfield U.	263	20	0	20	17	17	0
505	Rhodes C.	263	21	21	0	2	2	0
506	Point Loma Nazarene C.	261	98	98	0	0	0	0
507	U. of the Sciences Philadelphia	249	0	0	0	0	0	0
508	Kalamazoo C.	244	0	0	0	0	0	0
509	U. New Haven	235	0	0	0	0	0	0
510	NY Institute of Technology all campuses	230	0	0	0	0	0	0
511	Clafin U.	222	0	0	0	17	17	0
512	Wabash C.	222	0	0	0	0	0	0
513	Kansas City U. of Medicine and Biosciences	219	9	9	0	20	20	0
514	Dickinson C.	212	42	42	0	8	8	0
515	Ft. Lewis C.	204	0	0	0	13	13	0
516	Augustana C. (Rock Island, IL)	203	0	0	0	0	0	0
517	Muhlenberg C.	202	0	0	0	0	0	0
518	New C. FL	198	0	0	0	0	0	0
519	U. Central OK	198	0	0	0	100	100	0
520	Roanoke C.	192	0	0	0	74	74	0
521	U. WI River Falls	189	0	0	0	38	38	0
522	Truman State U.	187	0	0	0	0	0	0
523	Mayville State U.	185	0	0	0	185	185	0
524	CUNY Baruch C.	184	0	0	0	0	0	0
525	U. of St. Thomas (St. Paul, MN)	182	0	0	0	19	19	0

TABLE 46. Federally financed R&D expenditures passed through to subrecipients and federally financed passed-through expenditures received as a subrecipient by universities and colleges, ranked by federal R&D expenditures: FY 2005

(Dollars in thousands)

Rank	Institution	Federal R&D expenditures	Federal R&D expenditures passed through to subrecipients			Federal R&D expenditures received as a subrecipient		
			Total <sup>a</sup>	Educational subrecipients	Other subrecipients	Total <sup>a</sup>	Educational pass-through entities	Other pass-through entities
526	U. Portland	178	0	0	0	28	28	0
527	Abilene Christian U.	164	0	0	0	0	0	0
528	Fitchburg State C.	161	0	0	0	0	0	0
529	IL Wesleyan U.	150	0	0	0	21	0	21
530	U. TX Tyler	144	0	0	0	0	0	0
531	Governors State U.	134	0	0	0	16	16	0
532	Lake Forest C.	133	0	0	0	0	0	0
533	TX A&M International U.	127	0	0	0	0	0	0
534	Andrews U.	122	0	0	0	0	0	0
535	Pitzer C.	121	0	0	0	0	0	0
536	Simmons C.	108	0	0	0	36	36	0
537	Sam Houston State U.	106	5	0	5	53	24	29
538	Lewis and Clark C.	102	0	0	0	0	0	0
539	WV School of Osteopathic Medicine	96	0	0	0	96	0	96
540	Bridgewater State C.	95	0	0	0	94	0	94
541	TX A&M U. Commerce	71	0	0	0	0	0	0
542	U. of the South	68	0	0	0	5	5	0
543	Northeastern IL U.	65	0	0	0	3	0	3
544	Willamette U.	51	0	0	0	0	0	0
545	MN State U. Mankato	48	NA	NA	NA	21	21	0
546	National U. of Health Sciences	48	0	0	0	48	48	0
547	Pacific U.	47	0	0	0	0	0	0
548	Wiley C.	45	0	0	0	0	0	0
549	VA Military Institute	35	0	0	0	0	0	0
550	SUNY Fredonia	33	0	0	0	0	0	0
551	U. WI Platteville	28	0	0	0	28	0	28
552	Saginaw Valley State U.	13	0	0	0	13	13	0
	Cooper Union	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

<sup>a</sup> Detail may not add to total because of rounding and because some institutions provided only total and federal subrecipient data.

<sup>b</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$649 million in federally financed R&D expenditures.

NOTES: Institutions that are not listed in this table did not respond to item 1A, R&D expenditures passed through to subrecipients, or 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 2005.



TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	1,125,406	1,304,967	1,404,081	1,405,847	770,348	937,049	1,025,186	1,022,837
1	Carnegie Mellon U.	100,132	86,623	100,324	106,527	81,863	77,036	90,589	97,313
2	U. IL Urbana-Champaign	75,064	111,009	113,320	104,792	51,913	85,040	75,934	78,081
3	U. Southern CA	74,061	86,600	85,367	88,861	68,647	77,574	80,199	82,915
4	Johns Hopkins U., The <sup>a</sup>	70,528	66,160	73,123	69,653	69,580	63,943	72,265	68,146
5	U. CA, San Diego	56,729	68,996	85,259	65,271	38,925	49,965	65,816	44,146
6	GA Institute of Technology all campuses	38,892	51,608	54,756	54,788	18,933	27,721	39,462	39,080
7	MA Institute of Technology	41,283	45,413	44,543	44,693	24,501	26,804	28,050	30,628
8	U. TX Austin	27,376	28,749	29,259	39,405	24,985	25,717	25,778	31,461
9	OH State U. all campuses	29,173	26,274	23,397	35,998	2,253	2,670	6,523	12,778
10	U. MD College Park	32,233	31,902	27,990	29,641	20,222	20,462	16,293	17,715
11	PA State U. all campuses	4,303	17,294	31,575	28,576	3,378	14,130	25,968	21,739
12	Cornell U. all campuses	23,403	26,525	27,124	27,601	14,903	15,540	15,722	16,403
13	Stanford U.	15,166	16,794	18,579	19,610	12,834	14,241	16,413	17,397
14	U. HI Manoa	10,115	19,430	18,143	18,922	10,073	19,351	18,110	18,767
15	OR Health & Science U.	0 e	20,207	17,805	18,630	0 e	16,765	16,007	16,063
16	U. MA Amherst	14,291	16,368	16,312	18,160	8,450	9,392	10,495	9,841
17	U. UT	19,660	17,262	17,098	16,457	13,866	11,949	10,704	9,973
18	U. CA, Los Angeles	11,091	17,869	16,433	15,734	7,561	9,861	12,717	11,740
19	U. WI Madison	11,517	13,145	13,457	14,454	7,928	9,974	10,607	11,791
20	U. MN all campuses	9,412	11,619	13,655	13,987	7,308	8,855	10,269	9,501
21	U. IL Chicago	8,567	12,245	9,144	12,999	6,003	9,142	5,875	6,344
22	CA Institute of Technology	6,906	10,446	12,177	12,199	6,696	10,446	12,177	12,157
23	FL State U.	4,042	4,654	8,087	11,675	2,783	2,801	4,838	4,892
24	U. CA, Irvine	8,326	10,218	12,234	11,506	4,087	4,808	6,495	6,728
25	U. NC Chapel Hill	9,005	9,995	8,555	11,214	7,072	7,495	5,927	8,378
26	U. Chicago	1,878	4,076	8,478	10,879	1,860	4,046	8,403	10,841
27	U. CA, Santa Barbara	11,311	12,267	11,893	10,537	7,880	9,256	8,887	8,664
28	U. AK Fairbanks all campuses	9,040	12,035	12,616	10,245	0	4,645	10,354	8,674
29	Columbia U. in the City of NY	8,604	8,985	9,443	9,613	7,802	8,684	8,879	8,476
30	Purdue U. all campuses	9,733	9,588	16,642	9,523	3,852	5,135	6,536	5,449
31	U. TN all campuses	9,520	11,719	12,736	9,386	5,097	6,629	6,930	4,911
32	SUNY Buffalo all campuses	9,720	8,474	8,933	9,214	3,344	3,908	5,104	4,881
33	Princeton U.	6,745	7,172	8,226	9,199	4,450	4,730	4,706	5,629
34	VA Polytechnic Institute and State U.	4,486	5,177	14,858	9,005	1,581	2,770	2,601	3,003
35	Rice U.	9,075	10,614	9,202	8,490	7,882	8,801	8,126	7,928
36	IN U. all campuses	8,799	10,411	12,596	8,370	2,238	5,353	6,955	4,749
37	U. TX Dallas	2,735	3,476	3,023	8,340	1,091	1,889	1,761	3,478
38	Syracuse U. all campuses	6,653	6,220	6,037	8,247	3,094	3,817	3,723	4,559
39	U. PA	10,539	11,073	8,120	8,203	9,393	9,583	6,096	5,739
40	U. AL Huntsville, The	5,031	6,308	8,420	8,079	4,258	5,254	7,249	6,840
41	TX A&M U. all campuses	6,460	6,007	7,204	8,070	3,892	3,331	3,658	3,924
42	U. LA Lafayette	5,295	6,015	5,091	7,967	767	611	543	402
43	U. AZ	7,954	5,503	5,585	7,904	5,447	3,969	4,516	5,640
44	U. NE all campuses	5,169	5,984	6,300	7,726	3,182	3,187	3,801	4,784
45	Rutgers, The State U. NJ all campuses	5,885	6,359	8,378	7,600	1,551	2,865	2,946	3,412
46	Brown U.	7,126	6,871	7,038	7,568	4,744	4,664	4,636	4,683
47	U. VA all campuses	4,723	5,980	7,236	7,514	4,168	5,550	6,472	6,740
48	MS State U.	2,526	2,620	10,168	7,313	1,196	1,358	4,377	4,000
49	U. CO all campuses	5,440	5,743	7,289	7,295	4,730	5,158	6,475	6,485
50	Washington U. St. Louis	5,885	5,468	5,432	7,154	4,667	3,585	3,897	3,491

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	NY U.	8,085	8,402	7,993	6,461	5,884	6,297	6,342	5,664
52	U. West FL	4,890	6,497	3,974	6,388	3,499	5,810	3,777	6,295
53	George Mason U.	3,350	4,384	4,418	5,977	3,278	4,243	4,161	5,874
54	U. Houston	5,638	3,709	4,453	5,893	2,905	2,391	2,444	2,761
55	U. MI all campuses	7,384	7,365	9,840	5,888	2,561	4,114	4,041	4,231
56	AZ State U. main campus	4,556	4,680	5,228	5,877	2,730	2,967	2,970	3,149
57	IA State U.	4,649	5,691	5,721	5,818	1,067	1,768	2,010	2,350
58	Stevens Institute of Technology	565 i	747 i	4,217	5,194	257 i	440 i	3,584	4,925
59	Naval Postgraduate School	6,264 i	13,759	12,667 i	5,170	6,135 i	13,493	11,717 i	4,913
60	U. CA, Davis	2,677	3,812	3,575	4,921	1,246	1,936	2,264	3,662
61	Yale U.	5,076	5,398	5,307	4,766	3,925	4,236	4,193	3,857
62	SUNY Stony Brook all campuses	6,166	5,518	6,101	4,695	2,660	3,382	3,852	3,242
63	FL International U.	2,641	1,327	3,750	4,525	1,777	1,039	2,828	3,030
64	Wright State U. all campuses	3,564	2,928	5,096	4,524	1,302	873	2,339	1,592
65	U. FL	2,523	3,564	3,250	4,498	1,893	2,881	2,818	2,985
66	Rockefeller U.	3,767	5,594	4,270	4,459	742	684	40	0
67	NC State U.	4,512	4,542	4,412	4,428	3,228	3,488	3,234	3,543
68	MI State U.	4,542	4,237	4,292	4,062	2,408	2,396	2,307	2,022
69	U. NC Charlotte	1,051	1,626	3,316	4,051	683	957	3,027	2,106
70	U. AL, The	1,585	2,383	2,743	4,018	997	1,444	1,024	1,910
71	Northwestern U.	2,808	2,991	3,505	3,907	2,258	1,942	2,560	3,030
72	U. NM all campuses	2,857	2,717	3,404	3,889	2,609	2,533	3,189	3,496
73	Dartmouth C.	4,900	5,572	4,195	3,862	4,043	3,903	2,727	2,480
74	U. Pittsburgh all campuses	3,398	3,736	3,237	3,810	2,364	3,396	2,828	3,084
75	U. KY all campuses	5,158	3,892	4,153	3,801	2,237	2,389	2,573	2,102
76	NJ Institute of Technology	4,252	3,967	3,924	3,757	645	972	1,041	940
77	George Washington U.	2,722	3,130	2,788	3,711	1,775	2,907	2,528	3,014
78	Jackson State U.	4,768	3,692	3,180	3,698	4,070	3,320	2,895	3,140
79	Duke U.	4,383	5,677	4,696	3,678	3,629	5,192	4,276	3,380
80	SUNY Albany	1,482	2,859	3,896	3,529	1,189	2,264	2,158	2,064
81	U. Tulsa	1,178	3,202	3,694	3,439	953	2,938	3,525	3,270
82	U. CT all campuses	1,264	1,845	2,939	3,326	801	1,104	2,057	2,427
83	U. TX San Antonio	731	2,350	2,091	3,299	306	2,192	1,955	3,171
84	KS State U.	1,925	1,933	3,022	3,214	1,691	1,682	2,693	2,497
85	U. Rochester	2,763	2,486	3,560	3,152	2,516	2,244	3,266	2,911
86	U. GA	2,264	2,641	2,957	3,045	415	396	635	684
87	New School, The	0 e	0 i	1,269	2,994	0 e	0 i	460	2,536
88	LA State U. all campuses	3,301	2,950	3,163	2,939	488	514	557	976
89	U.S. Air Force Academy	469	1,630	3,740	2,903	302	1,327	1,962	1,125
90	U. of Notre Dame	1,275	1,888	2,307	2,797	1,072	1,728	2,170	2,700
91	U. CA, Riverside	2,297	2,108	2,982	2,778	1,747	1,781	2,401	1,641
92	U. OR	2,162	2,686	3,719	2,730	2,142	2,655	3,592	2,576
93	NM State U. all campuses	1,822	3,135	2,645	2,718	1,370	2,779	2,628	2,366
94	OR State U.	2,518	1,970	2,309	2,687	2,015	1,261	1,851	2,386
95	Portland State U.	948	1,544	1,544 e	2,587	740	1,132	1,132 e	2,011

TABLE 47. Total and federally financed R&D expenditures in the computer sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	Polytechnic U.	1,266	1,307 i	1,951	2,525	571	556 i	1,078	1,900
97	Old Dominion U.	1,086	830	1,193	2,517	566	476	796	573
98	James Madison U.	740	1,719	2,535	2,510	50	54	1,340	1,892
99	U. OK all campuses	2,976	3,150	1,910	2,457	202	129	533	670
100	Northeastern U.	2,008	1,898	2,053	2,456	1,649	1,408	1,428	1,546
	All other sampled institutions	100,593	117,749	112,237	104,725	63,826	76,576	72,516	66,779

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

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$67 million in total R&D expenditures in the computer sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	2,017,012	2,193,853	2,352,698	2,546,286	456,953	916,214	811,506	361,613
1	U. CA, San Diego	114,136	116,885	122,387	125,519	7,175	33,386	84,342	616
2	U. CO all campuses	60,896	65,638	86,142	106,955	60,959	44,658	187	1,151
3	Woods Hole Oceanographic Institution	77,560	86,293	96,548	96,473	6,999 i	31,795 i	25,156 i	32,523 i
4	TX A&M U. all campuses	81,950	85,351	66,724	89,551	5,903	3,736	67,987	11,925
5	CO State U.	38,167	42,779	71,409	82,240	31,058	51,182	0	0
6	U. WA	71,330	82,846	78,845	82,035	18,154	54,444	9,437	0
7	U. AK Fairbanks all campuses	71,747	74,882	67,891	75,857	40,990	9,879	23,196	1,792
8	U. WI Madison	34,220	44,557	54,127	72,681	56,235	5,621	3,604	7,221
9	Columbia U. in the City of NY	52,455	52,298	54,163	60,939	5,346	65	52,834	2,694
10	U. HI Manoa	45,908	45,283	54,891	60,485	2,968	11,912	42,451	3,154
11	U. NH	38,664	41,807	45,307	48,313	10,375	17,327	20,611	0
12	U. Miami	37,275	40,808	44,320	48,091	20,515	97	23,291	4,188
13	PA State U. all campuses	27,679	43,134	41,057	44,968	12,948	24,274	7,746	0
14	Johns Hopkins U., The <sup>a</sup>	35,791	35,703	38,585	42,281	7,849 i	3,500 i	12,556 i	18,376 i
15	OR State U.	34,844	37,739	37,912	41,170	2,119	1,924	19,647	17,480
16	U. MD Ctr. for Environmental Science	38,501	38,344	39,631	41,022	0	4,899	36,123	0
17	U. TX Austin	27,396	29,744	30,915	38,858	0	30,051	6,385	2,422
18	U. IL Urbana-Champaign	36,157	37,822	41,152	38,638	3,505	33,684	696	753
19	U. South FL	25,479	27,198	28,375	34,191	907	3,568	29,332	384
20	LA State U. all campuses	35,314	29,279	30,827	33,792	0	6,960	19,089	7,743
21	U. OK all campuses	33,499	29,929	29,639	32,729	23,239	9,490	0	0
22	C. of William and Mary all campuses	26,493	30,325	32,640	31,777	0	506	31,269	2
23	Rutgers, The State U. NJ all campuses	25,279	26,402	28,359	29,835	365	898	15,007	13,565
24	Desert Research Institute	22,123	24,623	26,318	29,248	15,147	14,101	0	0
25	U. CA, Santa Barbara	22,840	24,343	26,527	27,685	0	4,277	22,677	731
26	MA Institute of Technology	22,007	27,656	28,648	27,444	7,746	10,786	6,427	2,485
27	U. CA, Davis	29,532	28,451	26,891	26,354	0	4,589	5,076	16,689
28	Harvard U.	15,095	14,786	15,690	25,250	2,405	3,911	149	18,785
29	Stanford U.	8,809	10,193	17,147	25,124	0	17,645	5,279	2,200
30	FL State U.	19,232	19,330	21,459	23,976	8,227	9,990	5,759	0
31	U. RI	23,869	28,756	25,824	23,764	0	920	22,793	51
32	U. NC Chapel Hill	15,402	19,409	23,761	23,272	0	16,260	7,012	0
33	SUNY Stony Brook all campuses	20,744	20,082	21,961	22,078	390	6,504	14,294	890
34	U. SC all campuses	20,297	19,142	20,720	20,960	0	7,324	8,194	5,442
35	U. ME	18,952	21,337	22,830	20,311	0	9,357	10,954	0
36	U. Southern CA	15,381	19,572	18,687	20,274	0	12,987	4,884	2,403
37	FL International U.	3,883	1,392	16,191	19,537	0	1,490	0	18,047
38	U. CA, Santa Cruz	15,367	16,826	18,414	18,801	0	3,602	12,649	2,550
39	Princeton U.	15,508	17,335	17,067	17,771	4,885	4,824	0	8,062
40	NC State U.	16,842	15,439	15,594	15,976	0	0	7,864	8,112
41	U. MD Baltimore County	15,336	16,160	17,943	15,900	0	15,900	0	0
42	CA Institute of Technology	13,131	13,651	13,136	15,739	0	15,739	0	0
43	U. NV, Las Vegas	14,920 i	16,714	17,432 i	15,133	0	15,133	0	0
44	U. Central FL	9,238	12,584	13,747	14,866	14,866	0	0	0
45	San Jose State U.	9,517	10,832	11,858	14,693	645	611	13,376	61

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
46	GA Institute of Technology all campuses	15,590	14,863	15,046	14,359	6,807	7,006	306	240
47	U. CA, Los Angeles	14,824	16,351	15,396	14,038	4,789	4,388	0	4,861
48	U. Southern MS	10,964	14,433	13,336	13,806	0	321	13,485	0
49	U. GA	13,399	13,264	12,891	13,694	0	4,541	9,153	0
50	U. CA, Riverside	12,273	12,090	11,823	13,010	1,355	3,769	0	7,886
51	Duke U.	9,425	12,357	11,566	12,523	0	2,414	2,403	7,706
52	U. DE	10,293	11,829	12,226	12,229	0	861	11,368	0
53	U. KS all campuses	11,261	11,291	14,438	12,224	0	12,222	2	0
54	U. CA Office of the President	NA	NA	7,639	11,877	0	0	0	11,877
55	U. MD College Park	10,949	12,339	11,158	11,841	3,796	8,045	0	0
56	U. AZ	10,219	11,113	11,971	11,666	2,745	8,921	0	0
57	U. MN all campuses	12,055	11,819	11,602	11,494	0	6,048	985	4,461
58	AZ State U. main campus	10,379	10,985	11,197	11,476	0	11,476	0	0
59	U. MD Biotechnology Institute	6,046	10,525	10,652	11,297	0	0	11,297	0
60	Naval Postgraduate School	13,084 i	11,324	10,426 i	10,585	4,496	0	6,089	0
61	NM Institute of Mining and Technology	9,004	9,465	10,031	10,550 i	0 i	7,105 i	0 i	3,445 i
62	OH State U. all campuses	9,231	9,267	11,398	10,399	0	4,175	0	6,224
63	U. WY	6,483 e	8,076	8,076 e	10,393	5,780	3,661	0	952
64	VA Polytechnic Institute and State U.	13,525	10,104	10,127	10,332	0	6,838	0	3,494
65	U. MI all campuses	5,524	9,729	8,166	9,828	0	9,828	0	0
66	U. NV, Reno	6,909	8,477	8,072	9,576	91	6,733	0	2,752
67	U. MA Dartmouth	4,703	7,415	8,345	9,528	0	0	9,528	0
68	U. FL	5,470	6,458	7,879	9,486	0	4,809	4,677	0
69	U. CA, Berkeley	7,069	10,180	9,093	9,425	19	9,402	0	4
70	George Mason U.	6,479	8,387	9,951	9,321	2,540	6,168	613	0
71	U. CT all campuses	9,780	8,644	8,412	9,004	0	3	9,001	0
72	U. UT	5,097	4,531	5,761	8,810	2,258	6,552	0	0
73	U. Memphis, The	4,340	4,473	4,700	8,800	0	8,800	0	0
74	MI Technological U.	1,048	6,815	6,820	8,399	0	2,402	0	5,997
75	U. NC Wilmington	5,922	4,516	5,468	8,027	39	453	7,535	0
76	U. AL Huntsville, The	7,003	6,879	6,796	7,759	7,759	0	0	0
77	TX Tech U.	10,489	11,421	9,682	7,423	0	493	0	6,930
78	WV U.	5,777	6,242	7,219	7,117	0	7,117	0	0
79	SUNY Albany	5,693	5,382	7,391	7,060	7,060	0	0	0
80	U. WI Milwaukee	4,008	4,472	5,207	7,001	0	217	5,898	886
81	UT State U.	9,804	9,734	9,007	6,648	2,891	3,757	0	0
82	Brown U.	5,683	6,200	6,235	6,604	0	6,103	0	501
83	Stevens Institute of Technology	2,567 i	3,398 i	7,875	6,523	418	1,282	537	4,286
84	U. ND all campuses	3,323	5,206	7,147	6,510	3,842	2,085	0	583
85	Boston C.	687	514	514 e	6,444	0	448	0	5,996
86	IA State U.	4,192	4,977	5,768	6,429	0	6,429	0	0
87	Cornell U. all campuses	6,117	6,203	5,222	6,006	0	5,206	41	759
88	Purdue U. all campuses	4,128	3,136	4,624	5,757	1,811	906	0	3,040
89	Washington U. St. Louis	4,971	4,812	4,893	5,541	0	5,541	0	0
90	Jackson State U.	3,521	3,710	3,757	5,422	144	5,267	11	0

TABLE 48. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
91	San Francisco State U.	1 i	468 i	2,849 i	5,388	32	767	4,589	0
92	U. TN all campuses	5,865	5,182	4,970	5,191	0	1,719	2	3,470
93	U. Chicago	4,559	4,092	4,902	5,155	0	5,155	0	0
94	U. CA, Irvine	6,857	5,135	6,045	5,034	0	0	0	5,034
95	U. PR Mayaguez Campus	4,763	5,396	4,599	5,011	0	770	4,241	0
96	Portland State U.	1,933	2,618	2,618 e	4,945	589	2,037	88	2,231
97	MS State U.	6,752	6,248	4,815	4,659	775	2,307	1,391	186
98	U. MO-Rolla	2,072	3,499	7,183	4,620	2,636	1,984	0	0
99	Yale U.	2,551	3,224	3,522	4,566	1,005	3,333	91	137
100	U. NM all campuses	2,017	3,961	3,988	4,486	515	3,971	0	0
	All other sampled institutions	201,569	236,965	252,513	248,434	20,841	142,573	29,842	55,178

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$21 million in total R&D expenditures in the environmental sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	1,291,347	1,445,780	1,595,901	1,725,313	358,527	614,337	545,624	206,825
1	U. CO all campuses	56,117	61,328	79,182	99,455	56,917	41,359	175	1,004
2	Woods Hole Oceanographic Institution	63,761	70,050	83,639	80,539	5,475 i	28,210 i	20,458 i	26,396 i
3	U. CA, San Diego	72,667	71,454	79,643	76,924	3,546	13,492	59,639	247
4	U. WA	61,985	76,736	71,685	72,716	15,212	51,114	6,390	0
5	CO State U.	27,743	31,928	60,312	65,548	25,132	40,416	0	0
6	TX A&M U. all campuses	56,223	60,162	43,447	64,192	2,904	1,513	55,497	4,278
7	U. WI Madison	23,315	36,300	43,331	60,035	52,474	2,534	789	4,238
8	Columbia U. in the City of NY	49,623	49,381	52,206	58,432	4,449	17	51,305	2,661
9	U. AK Fairbanks all campuses	43,983	44,858	40,062	49,150	30,287	5,817	13,021	25
10	U. HI Manoa	28,555	33,925	44,615	48,672	2,613	9,129	35,228	1,702
11	U. NH	28,454	33,370	38,809	43,379	9,768	16,324	17,287	0
12	U. Miami	33,285	36,705	38,590	40,726	18,530	78	18,516	3,602
13	Johns Hopkins U., The <sup>a</sup>	34,678	33,989	36,250	40,230	7,840 i	3,259 i	12,546 i	16,585 i
14	OR State U.	29,777	32,385	32,270	34,674	1,925	1,452	17,317	13,980
15	U. South FL	16,759	22,221	21,631	24,623	47	2,453	22,123	0
16	MA Institute of Technology	18,713	21,920	24,499	24,097	7,643	8,776	6,148	1,530
17	Harvard U.	14,202	12,803	13,775	23,765	2,405	3,614	149	17,597
18	Desert Research Institute	16,553	17,204	18,473	23,728	11,508	12,220	0	0
19	PA State U. all campuses	15,160	23,646	22,123	23,480	6,526	12,362	4,592	0
20	U. RI	22,849	26,524	22,958	18,997	0	488	18,462	47
21	U. IL Urbana-Champaign	10,021	13,144	16,595	17,340	2,777	14,173	273	117
22	Stanford U.	5,881	7,394	12,383	16,881	0	15,142	1,739	0
23	U. MD Baltimore County	14,247	15,871	17,575	15,685	0	15,685	0	0
24	C. of William and Mary all campuses	9,630	13,398	14,815	15,466	0	448	15,018	0
25	U. Southern CA	11,194	12,160	14,623	15,438	0	10,499	2,554	2,385
26	FL State U.	11,698	11,366	13,833	14,801	6,164	4,824	3,813	0
27	U. TX Austin	10,406	10,483	12,434	14,336	0	11,169	1,883	1,284
28	CA Institute of Technology	11,207	10,916	11,340	14,232	0	14,232	0	0
29	U. OK all campuses	12,890	12,299	12,273	13,901	11,292	2,609	0	0
30	U. MD Ctr. for Environmental Science	13,080	12,654	13,824	13,853	0	1,191	12,662	0
31	U. NV, Las Vegas	13,095 i	13,476	11,613 i	13,834	0	13,834	0	0
32	U. NC Chapel Hill	8,753	11,974	12,793	13,672	0	11,946	1,726	0
33	SUNY Stony Brook all campuses	12,531	12,146	14,102	13,606	4	5,287	8,315	0
34	U. Southern MS	10,184	13,882	13,097	13,389	0	321	13,068	0
35	FL International U.	2,612	1,090	12,208	13,078	0	997	0	12,081
36	U. CA, Santa Barbara	11,565	11,931	12,743	12,792	0	2,305	10,215	272
37	Rutgers, The State U. NJ all campuses	11,484	11,993	12,875	12,555	98	732	9,827	1,898
38	U. CA, Santa Cruz	7,613	8,029	11,378	11,270	0	2,403	7,333	1,534
39	U. SC all campuses	7,095	9,481	11,290	11,232	0	3,430	5,168	2,634
40	AZ State U. main campus	9,935	10,389	10,980	11,055	0	11,055	0	0
41	U. CA, Los Angeles	8,520	10,745	12,681	10,999	4,234	3,699	0	3,066
42	Princeton U.	9,857	11,261	9,982	10,916	4,124	3,180	0	3,612
43	U. MD College Park	8,112	8,805	9,607	10,236	3,197	7,039	0	0
44	Naval Postgraduate School	12,575 i	10,284	8,931 i	9,558	4,247	0	5,311	0
45	George Mason U.	6,429	8,334	9,713	8,840	2,540	5,997	303	0

TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
46	LA State U. all campuses	12,047	7,277	8,281	8,826	0	2,152	5,882	792
47	U. DE	6,769	9,064	9,200	8,669	0	491	8,178	0
48	U. ME	9,340	11,466	12,438	8,626	0	3,744	4,882	0
49	San Jose State U.	4,996	6,610	7,123	7,692	510	600	6,582	0
50	Duke U.	5,263	6,291	6,757	7,641	0	1,997	946	4,698
51	U. Central FL	3,543	7,374	6,209	7,577	7,577	0	0	0
52	U. CA, Davis	14,139	12,502	10,397	7,572	0	1,378	1,306	4,888
53	U. AZ	6,211	7,012	7,401	7,190	1,776	5,414	0	0
54	U. CT all campuses	6,181	5,820	5,981	6,752	0	3	6,749	0
55	OH State U. all campuses	4,764	5,441	7,192	6,595	0	2,414	0	4,181
56	NC State U.	5,083	5,921	5,417	6,557	0	0	1,352	5,205
57	U. MN all campuses	5,501	5,858	7,030	6,522	0	3,244	575	2,703
58	U. NV, Reno	4,476	5,844	5,257	6,475	91	6,240	0	144
59	U. FL	2,732	3,750	5,121	6,346	0	2,980	3,366	0
60	GA Institute of Technology all campuses	7,589	8,214	7,133	6,154	2,934	3,208	0	12
61	U. MI all campuses	3,057	4,768	4,886	6,093	0	6,093	0	0
62	U. NC Wilmington	5,752	4,350	5,280	5,802	39	114	5,649	0
63	U. WY	3,984 e	3,964	3,964 e	5,728	3,150	2,198	0	380
64	MI Technological U.	873	3,589	4,162	5,522	0	1,761	0	3,761
65	Boston C.	602	453	453 e	5,370	0	327	0	5,043
66	U. UT	3,548	2,963	4,180	5,325	2,114	3,211	0	0
67	U. AL Huntsville, The	5,166	5,113	5,117	5,288	5,288	0	0	0
68	U. MD Biotechnology Institute	1,814	4,641	4,709	5,275	0	0	5,275	0
69	Stevens Institute of Technology	811 i	1,393 i	7,064	5,154	409	432	530	3,783
70	U. CA, Berkeley	3,561	5,342	4,907	5,056	0	5,056	0	0
71	U. Chicago	4,391	3,977	4,748	4,992	0	4,992	0	0
72	U. MA Dartmouth	1,351	3,062	3,716	4,767	0	0	4,767	0
73	WV U.	4,025	4,284	4,349	4,713	0	4,713	0	0
74	VA Polytechnic Institute and State U.	10,984	7,234	5,445	4,710	0	2,428	0	2,282
75	U. GA	4,789	4,690	3,914	4,644	0	950	3,694	0
76	Jackson State U.	3,006	3,336	3,420	4,605	122	4,474	9	0
77	TX Tech U.	6,857	7,241	6,706	4,576	0	343	0	4,233
78	U. ND all campuses	2,877	4,657	5,948	4,570	2,265	1,972	0	333
79	IA State U.	2,332	3,252	3,857	4,466	0	4,466	0	0
80	U. CA, Riverside	3,401	4,595	4,238	4,384	498	2,519	0	1,367
81	Brown U.	3,601	3,901	3,730	4,136	0	4,019	0	117
82	Purdue U. all campuses	2,681	2,088	3,181	4,021	1,397	699	0	1,925
83	U. NM all campuses	1,674	3,412	3,288	3,976	515	3,461	0	0
84	Cornell U. all campuses	2,797	3,211	3,184	3,951	0	3,624	36	291
85	Boston U.	2,824	3,303	3,452	3,876	0	1,361	0	2,515
86	MS State U.	5,795	5,314	3,706	3,770	714	1,818	1,238	0
87	Yale U.	2,236	2,693	2,949	3,740	823	2,730	75	112
88	U. VA all campuses	4,081	2,426	3,473	3,638	3,638	0	0	0
89	Portland State U.	1,496	1,869	1,869 e	3,587	461	1,417	62	1,647
90	U. MD Eastern Shore	0	2,500	2,832	3,563	0	0	0	3,563



TABLE 49. Federally financed R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2005 environmental sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
91	U. KS all campuses	2,526	2,360	4,109	3,511	0	3,510	1	0
92	U. PR Mayaguez Campus	2,040	2,899	2,227	3,407	0	34	3,373	0
93	SUNY Albany	2,961	3,213	4,024	3,358	3,358	0	0	0
94	Washington U. St. Louis	2,588	2,795	2,487	3,313	0	3,313	0	0
95	FL A&M U.	377	1,702	2,281	3,247	0	0	0	3,247
96	Boise State U.	997	1,386	1,719	3,239	0	3,239	0	0
97	UT State U.	2,895	2,944	2,891	3,235	2,611	624	0	0
98	U. WI Milwaukee	1,518	1,777	1,685	3,085	0	94	2,311	680
99	U. MO-Rolla	550	1,696	2,423	3,035	2,098	937	0	0
100	U. CA, Irvine	2,979	3,107	3,802	2,995	0	0	0	2,995
	All other sampled institutions	107,900	129,442	153,401	142,069	12,261	86,719	19,936	23,153

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

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$21 million in federally financed R&D expenditures in the environmental sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	21,435,642	23,752,939	25,944,394	27,603,363	2,657,369	8,845,701	14,874,257	1,226,036
1	U. CA, San Francisco	569,703	642,645	698,712	728,403	0	43,574	684,829	0
2	Johns Hopkins U., The <sup>a</sup>	496,025	550,700	619,835	674,083	0	171,374	468,404	34,305
3	U. CA, Los Angeles	573,899	613,990	562,755	585,436	0	21,823	563,613	0
4	Duke U.	367,043	433,834	427,955	528,719	0	77,924	449,006	1,789
5	U. PA	422,686	451,063	480,121	528,225	336	183,039	330,178	14,672
6	U. MI all campuses	364,265	432,951	441,349	492,195	9,411	124,738	264,077	93,969
7	U. WI Madison	410,300	445,773	473,733	488,831	43,665	167,191	274,207	3,768
8	U. WA	436,160	474,742	481,620	485,173	13,742	81,810	380,970	8,651
9	Washington U. St. Louis	374,666	430,570	443,901	477,021	0	188,459	284,068	4,494
10	Baylor C. of Medicine	411,924	461,763	476,075	458,694	0	235,747	222,947	0
11	U. Pittsburgh all campuses	344,239	354,931	396,405	440,596	0	13,433	416,382	10,781
12	U. CA, Davis	336,796	364,029	381,707	404,872	119,411	129,433	156,028	0
13	U. MN all campuses	372,169	372,029	382,932	403,919	65,464	70,065	257,309	11,081
14	Stanford U.	304,658	333,147	373,952	392,129	0	23,097	369,032	0
15	U. CA, San Diego	293,994	327,752	359,714	381,402	0	50,936	329,104	1,362
16	Cornell U. all campuses	314,857	348,401	356,441	376,860	84,180	86,775	205,905	0
17	Yale U.	304,345	331,443	366,999	374,599	1,465	125,653	247,481	0
18	U. FL	260,138	295,557	311,513	370,708	135,943	96,057	127,460	11,248
19	Columbia U. in the City of NY	280,697	301,110	322,159	363,922	0	150,438	210,729	2,755
20	U. TX M. D. Anderson Cancer Ctr.	246,862	283,543	317,612	344,804	0	135,884	208,920	0
21	OH State U. all campuses	214,313	255,354	288,853	340,909	44,454	94,325	198,744	3,386
22	U. NC Chapel Hill	277,423	304,618	321,080	339,452	0	161,548	145,786	32,118
23	Scripps Research Institute, The	NA	NA	307,910	338,634	0	338,634	0	0
24	Harvard U.	307,150	314,500	351,469	324,112	24	70,389	252,985	714
25	U. TX Southwestern Medical Ctr. Dallas	263,958	276,692	314,403	320,800	0	142,294	177,855	651
26	Emory U.	255,462	305,031	298,183	319,795	0	61,922	201,751	56,122
27	U. MD Baltimore	266,822	297,271	317,293	304,396	0	45,659	243,517	15,220
28	U. AL Birmingham, The	238,232	262,742	288,286	297,702	0	84,351	210,668	2,683
29	U. CO all campuses	219,454	247,305	272,329	282,598	0	55,572	219,034	7,992
30	U. AZ	222,892	248,857	255,588	278,726	67,469	90,145	116,639	4,473
31	Vanderbilt U.	162,125	214,272	250,014	275,664	0	125,819	141,063	8,782
32	Northwestern U.	186,653	213,394	250,795	270,379	0	90,240	168,429	11,710
33	Case Western Reserve U.	171,688	185,237	179,087	268,303	0	102,910	140,150	25,243
34	U. IA	227,210	230,028	247,550	265,701	0	61,768	168,985	34,948
35	U. Southern CA	205,018	225,942	233,541	249,108	0	14,261	224,343	10,504
36	U. Cincinnati all campuses	176,777	211,405	234,726	244,581	0	70,936	162,638	11,007
37	U. of Medicine and Dentistry NJ	178,156	190,763	209,134	239,778	0	89,134	150,644	0
38	U. IL Chicago	186,570	210,330	232,069	239,554	0	70,047	157,764	11,743
39	U. NE all campuses	156,246	178,679	202,657	232,085	56,451	103,582	46,369	25,683
40	U. Rochester	175,565	197,436	218,269	231,559	0	55,176	168,186	8,197
41	LA State U. all campuses	168,782	195,419	223,668	229,138	63,481	105,194	59,853	610
42	OR Health & Science U.	152,379 e	166,291	204,065	226,827	0	104,081	113,059	9,687
43	Mt. Sinai School of Medicine	185,335	203,853	212,786	225,293	0	75,090	150,203	0
44	NY U.	177,019	193,182	209,064	223,974	0	87,311	118,680	17,983
45	U. GA	199,155	207,739	218,663	222,793	91,831	92,693	35,771	2,498

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
46	U. KY all campuses	156,833	187,045	206,585	214,451	51,114	66,019	90,718	6,600
47	U. Chicago	176,233	191,112	198,802	214,274	0	77,354	135,652	1,268
48	IN U. all campuses	179,224	210,579	233,402	208,902	0	72,993	129,603	6,306
49	MI State U.	179,521	203,510	203,707	205,932	86,723	89,315	26,414	3,480
50	PA State U. all campuses	163,590	175,537	198,726	198,841	72,115	42,657	84,038	31
51	Yeshiva U.	157,124	177,236	183,253	195,644	0	47,541	106,626	41,477
52	SUNY Buffalo all campuses	155,888	170,680	185,181	191,492	0	60,307	125,108	6,077
53	Rockefeller U.	155,753	177,216	177,963	185,329	0	176,916	8,413	0
54	U. CA, Berkeley	170,348	174,915	178,073	183,129	68,247	59,425	55,457	0
55	Wake Forest U.	108,994	128,034	130,677	181,685	0	546	181,139	0
56	U. CA, Irvine	135,406	155,880	171,927	180,436	0	88,481	91,955	0
57	Wayne State U.	159,013	170,498	182,077	178,254	0	44,056	123,263	10,935
58	Medical U. SC	132,030	150,551	163,179	176,588	0	56,020	71,621	48,947
59	U. MA Worcester	132,729	148,823	169,090	176,349	0	58,543	73,125	44,681
60	U. South FL	134,360	139,132	169,407	172,849	0	13,777	159,022	50
61	TX A&M U. all campuses	155,557	160,127	167,704	171,899	77,916	37,893	56,089	1
62	U. TX Medical Branch	127,188	150,479	164,172	171,114	0	91,691	79,423	0
63	Boston U.	130,144	152,133	164,576	168,421	0	9,283	157,144	1,994
64	U. MO-Columbia	132,161	151,772	165,113	166,138	67,553	48,290	44,381	5,914
65	Purdue U. all campuses	128,926	145,624	163,164	165,984	94,060	45,300	20,432	6,192
66	MA Institute of Technology	74,762	76,045	130,170	165,968	0	142,194	15,085	8,689
67	U. VA all campuses	123,266	141,784	155,682	164,223	0	65,737	96,053	2,433
68	U. UT	144,575	148,016	154,617	163,694	0	41,241	97,317	25,136
69	U. CT all campuses	119,232	133,867	150,176	156,803	9,616	63,536	80,193	3,458
70	Rutgers, The State U. NJ all campuses	118,490	136,720	144,974	153,739	41,367	66,915	29,164	16,293
71	U. TX Health Science Ctr. Houston	138,380	149,294	147,328	152,631	0	21,762	70,097	60,772
72	NC State U.	148,461	135,298	145,675	145,877	63,948	78,147	0	3,782
73	U. TN all campuses	114,256	126,429	131,621	143,820	34,613	57,372	49,889	1,946
74	Medical C. WI	96,700	108,608	139,235	143,540	0	49,796	93,744	0
75	U. Miami	117,760	120,716	131,424	143,165	0	28,957	113,966	242
76	U. TX Health Science Ctr. San Antonio	129,616	133,304	137,039	142,375	0	54,610	86,153	1,612
77	U. KS all campuses	121,057	121,019	128,426	135,960	1,245	75,122	35,576	24,017
78	U. IL Urbana-Champaign	121,383	132,414	131,495	134,291	54,498	61,322	5,048	13,423
79	Dartmouth C.	86,943	103,120	120,511	129,639	0	6,563	123,076	0
80	VA Polytechnic Institute and State U.	101,588	109,760	115,882	129,454	68,002	44,038	11,201	6,213
81	VA Commonwealth U.	95,536	107,759	113,794	125,944	0	43,884	73,915	8,145
82	Tulane U.	85,598	97,906	107,440	122,618	0	29,328	31,020	62,270
83	SUNY Stony Brook all campuses	96,549	107,434	116,965	118,250	0	54,983	63,267	0
84	WA State U.	94,219	107,386	109,290	110,356	45,903	51,973	6,612	5,868
85	Georgetown U.	92,731	103,091	111,732	110,052	0	20,419	83,726	5,907
86	U. NM all campuses	72,901	85,772	90,392	108,297	0	51,499	41,001	15,797
87	Thomas Jefferson U.	102,974	109,083	112,078	107,388	0	47,882	57,389	2,117
88	IA State U.	93,870	98,658	103,733	106,565	54,885	37,958	13,151	571
89	U. Louisville	64,124	71,379	92,381	105,077	23	12,987	81,363	10,704
90	OR State U.	94,684	95,370	100,349	103,729	55,269	42,259	3,946	2,255

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
91	SUNY Albany	35,182	72,593	90,232	102,721	0	102,721	0	0
92	Tufts U.	84,507	91,883	101,374	102,078	98	80,837	21,077	66
93	U. VT	79,952	94,922	99,972	102,016	7,805	35,625	48,341	10,245
94	CO State U.	69,291	96,068	96,374	101,279	30,033	27,974	42,732	540
95	U. OK all campuses	71,181	76,789	87,944	97,497	0	37,686	53,272	6,539
96	MS State U.	79,575	80,613	94,584	97,315	83,644	5,748	5,678	2,245
97	U. AR for Medical Sciences	45,046	63,677	74,063	90,987	0	34,689	54,479	1,819
98	U. HI Manoa	58,286	63,989	99,014	84,326	15,626	4,630	44,450	19,620
99	Rush U.	77,581	87,056	86,802	81,032	0	18,833	59,110	3,089
100	Auburn U. all campuses	65,769	73,767	79,811	80,632	47,682	14,434	13,948	4,568
101	KS State U.	68,452	71,803	78,673	80,444	50,237	29,602	605	0
102	Uniformed Services U. of the Health Sciences	28,630	30,604	89,850	78,608	0	5,536	73,072	0
103	Brown U.	56,523	65,444	68,879	71,997	0	23,456	20,509	28,032
104	WV U.	48,372	59,881	61,925	71,207	17,777	14,776	35,596	3,058
105	MT State U. Bozeman	47,193	53,672	58,661	70,876	48,069	20,194	970	1,643
106	TX A&M U. System Health Science Ctr.	49,014	53,382	61,405	70,696	62	76	70,558	0
107	Medical C. GA	51,705	56,398	58,808	67,278	0	44,745	21,301	1,232
108	U. CA, Riverside	59,043	61,621	58,891	66,421	10,955	52,794	2,672	0
109	U. MS all campuses	40,301 i	54,512	52,366	64,436	0	9,949	43,179	11,308
110	U. MD College Park	56,410	60,183	58,758	61,801	37,806	12,183	0	11,812
111	U. CA Office of the President	NA	NA	56,382	59,470	5,864	3,919	49,687	0
112	OK State U. all campuses	54,332	57,737	58,529	59,077	33,787	21,612	3,490	188
113	ND State U. all campuses	51,677	52,693	56,857	56,939	46,551	3,617	6,771	0
114	Temple U.	39,678	42,315	53,739	56,742	304	21,634	31,026	3,778
115	U. AR main campus	52,830	51,878	56,053	56,408	50,689	3,920	0	1,799
116	U. ID	50,861	53,644	55,187	53,851	34,088	13,941	5,766	56
117	U. NV, Reno	34,621	45,815	48,236	52,114	16,314	27,087	8,697	16
118	Clemson U.	50,676	47,986	49,788	49,709	29,457	16,846	2,903	503
119	U. TX Austin	39,495	43,886	44,309	48,211	186	28,521	18,176	1,328
120	UT State U.	37,392	39,803	45,921	47,663	30,662	9,909	6,941	151
121	St. Louis U. all campuses	34,241	39,869	39,869 e	45,844	0	13,304	32,536	4
122	AZ State U. main campus	18,086	32,025	29,588	45,181	604	41,565	0	3,012
123	U. MD Biotechnology Institute	37,627	34,615	37,073	44,838	6,726	27,736	0	10,376
124	George Washington U.	42,278	41,984	42,195	44,412	0	16,080	28,332	0
125	CA Institute of Technology	37,600	36,353	44,270	44,305	0	44,305	0	0
126	Charles R. Drew U. of Medicine and Science	48,839	49,888	51,994	43,231	0	0	43,231	0
127	Drexel U.	720	31,036	35,854	41,882	0	23,104	16,479	2,299
128	Princeton U.	29,180	33,738	38,198	41,607	0	41,607	0	0
129	U. SC all campuses	33,200	41,565	38,926	39,742	0	8,813	27,106	3,823
130	U. MA Amherst	30,158	33,195	34,791	37,850	17,017	16,309	1,804	2,720
131	U. MT, The	26,908	28,130	33,350	36,797	10,252	12,758	13,269	518
132	Loyola U. Chicago	33,352	35,556	34,145	36,593	0	17,851	17,966	776
133	Southern IL U. Carbondale	34,114	34,031	32,716	36,055	9,929	7,060	18,192	874
134	U. PR Medical Sciences Campus	29,089	31,124 i	34,092	35,809	0	0	35,809	0
135	SUNY Upstate Medical U.	22,326	25,931	32,090	34,931	0	9,815	25,116	0

TABLE 50. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
136	U. WY	19,715 e	27,752	27,752 e	33,885	12,518	14,553	6,749	65
137	Eastern VA Medical School	28,572	32,801	33,798	33,721	0	7,378	26,343	0
138	NY Medical C.	25,222	30,492	33,521	32,460	0	24,345	8,115	0
139	San Diego State U.	24,271	26,030	25,707	30,843	0	16,662	10,848	3,333
140	Morehouse School of Medicine	23,956	27,154	33,317	30,652	0	10,259	20,393	0
141	Loma Linda U.	19,545	26,227	29,648	29,898	0	12,690	17,191	17
142	FL State U.	15,637	26,507	32,559	29,859	0	15,422	10,699	3,738
143	SUNY Health Science Ctr. Brooklyn	31,153 i	30,680 i	30,207 i	29,732	0	13,506	16,171	55
144	U. AK Fairbanks all campuses	22,224	25,521	29,193	29,679	12,752	16,810	117	0
145	Howard U.	24,138	25,172	27,232	29,602	0	17,042	12,560	0
146	NM State U. all campuses	23,139	25,484	25,766	29,198	22,696	5,696	0	806
147	Meharry Medical C.	20,508	25,427	27,507	29,105	0	23,534	3,874	1,697
148	Brandeis U.	21,187	24,747	27,311	29,005	0	29,005	0	0
149	U. OR	18,947	21,555	24,593	27,504	0	11,612	15,892	0
150	U. ME	19,654	23,116	31,107	26,774	11,359	13,872	0	1,543
	All other sampled institutions	975,994	1,053,192	1,146,479	1,234,920	211,396	598,092	315,119	110,313

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$18 million in total R&D expenditures in the life sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	12,854,202	14,649,258	16,663,764	17,690,853	845,191	6,194,420	9,898,274	752,968
1	Johns Hopkins U., The <sup>a</sup>	406,785	449,328	511,573	548,516	0	136,643	380,345	31,528
2	U. WA	341,857	392,628	424,433	420,856	10,047	75,379	327,365	8,065
3	U. CA, San Francisco	306,478	348,910	396,729	419,367	0	33,040	386,327	0
4	U. PA	332,825	346,579	359,857	386,272	9	137,179	237,837	11,247
5	Washington U. St. Louis	273,418	327,042	339,307	365,868	0	154,543	209,301	2,024
6	U. Pittsburgh all campuses	270,083	299,734	338,420	362,208	0	11,696	341,308	9,204
7	U. CA, Los Angeles	266,260	299,298	330,141	349,587	0	16,895	332,692	0
8	U. MI all campuses	240,123	285,432	307,794	337,556	4,694	99,390	187,636	45,836
9	Stanford U.	235,353	259,118	296,305	312,619	0	18,116	294,503	0
10	Columbia U. in the City of NY	242,713	262,954	279,442	309,787	0	124,422	183,008	2,357
11	Duke U.	207,083	244,212	278,054	304,532	0	60,860	242,207	1,465
12	Baylor C. of Medicine	259,475	302,764	312,669	300,638	0	175,008	125,630	0
13	Yale U.	238,151	257,953	291,471	293,504	625	100,953	191,926	0
14	Harvard U.	261,863	271,959	313,278	288,385	0	62,175	225,532	678
15	Scripps Research Institute, The	NA	NA	236,989	272,969	0	272,969	0	0
16	U. AL Birmingham, The	203,111	226,708	242,437	268,552	0	79,308	186,578	2,666
17	U. WI Madison	183,930	212,985	237,807	257,244	16,139	96,752	143,683	670
18	Emory U.	178,546	217,874	232,355	255,557	0	54,826	148,947	51,784
19	U. CA, San Diego	178,800	203,564	236,203	254,231	0	37,592	216,561	78
20	U. NC Chapel Hill	190,527	218,951	238,750	250,489	0	129,588	109,490	11,411
21	U. CO all campuses	181,759	208,648	228,915	240,405	0	48,539	185,860	6,006
22	U. MN all campuses	220,412	210,906	220,722	234,037	18,700	46,310	164,148	4,879
23	Cornell U. all campuses	163,939	195,193	209,798	230,308	29,585	52,306	148,417	0
24	Vanderbilt U.	138,209	179,144	211,056	228,670	0	108,372	112,734	7,564
25	U. TX Southwestern Medical Ctr. Dallas	155,258	177,196	200,888	202,057	0	86,919	114,816	322
26	OR Health & Science U.	123,979 e	137,235	180,295	201,082	0	99,197	93,655	8,230
27	Mt. Sinai School of Medicine	125,979	152,719	185,249	191,326	0	68,167	123,159	0
28	U. Cincinnati all campuses	133,431	167,484	176,816	183,916	0	49,415	131,698	2,803
29	U. CA, Davis	123,169	155,161	167,676	183,366	27,881	65,043	90,442	0
30	Case Western Reserve U.	154,729	169,729	158,535	179,810	0	70,859	85,616	23,335
31	U. IA	147,461	163,646	173,775	179,196	0	36,763	117,959	24,474
32	U. Chicago	141,164	149,307	164,749	176,068	0	66,548	108,382	1,138
33	U. Southern CA	134,335	153,185	161,464	175,724	0	10,468	157,793	7,463
34	OH State U. all campuses	109,006	116,877	167,498	167,697	15,947	54,104	95,364	2,282
35	Northwestern U.	117,218	132,517	156,686	163,230	0	65,185	90,047	7,998
36	Yeshiva U.	114,268	128,894	151,520	160,894	0	39,097	87,687	34,110
37	U. Rochester	125,388	136,882	152,592	160,824	0	46,203	110,515	4,106
38	U. IL Chicago	107,963	124,559	148,208	156,635	0	48,168	99,420	9,047
39	Boston U.	113,936	135,311	146,767	154,782	0	8,968	143,892	1,922
40	U. AZ	118,710	142,078	150,809	150,285	26,952	51,276	68,347	3,710
41	NY U.	114,924	128,929	143,913	150,029	0	72,025	72,548	5,456
42	U. FL	101,313	118,875	133,266	143,813	24,095	52,492	61,140	6,086
43	U. TX M. D. Anderson Cancer Ctr.	110,299	108,532	132,412	143,477	0	58,788	84,689	0
44	U. of Medicine and Dentistry NJ	90,235	105,495	121,812	143,239	0	60,741	82,498	0
45	MA Institute of Technology	58,047	60,914	114,695	141,176	0	124,890	8,685	7,601

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
46	Wake Forest U.	90,127	106,876	117,586	138,951	0	533	138,418	0
47	U. VA all campuses	103,220	120,155	129,388	138,869	0	55,874	80,777	2,218
48	U. MA Worcester	93,992	109,082	126,162	130,680	0	51,744	58,236	20,700
49	U. MD Baltimore	117,017	126,156	141,221	129,270	0	19,391	103,416	6,463
50	IN U. all campuses	96,579	111,613	124,872	129,200	0	54,169	69,906	5,125
51	U. UT	95,799	104,091	114,204	118,730	0	31,175	74,333	13,222
52	U. TX Medical Branch	77,093	91,645	101,327	115,343	0	60,578	54,765	0
53	U. TX Health Science Ctr. Houston	98,676	107,481	106,737	112,509	0	18,600	49,043	44,866
54	U. CA, Irvine	78,246	92,285	106,209	111,596	0	65,144	46,452	0
55	SUNY Buffalo all campuses	81,717	93,241	102,145	109,361	0	43,455	62,408	3,498
56	Medical U. SC	75,803	92,893	103,494	108,196	0	42,665	43,515	22,016
57	Medical C. WI	76,241	83,026	100,547	102,859	0	35,683	67,176	0
58	U. Miami	72,837	79,261	86,590	98,491	0	24,166	74,083	242
59	U. CA, Berkeley	85,063	88,065	90,288	98,172	26,222	39,175	32,775	0
60	U. KY all campuses	66,199	79,976	90,603	98,002	9,473	40,119	46,010	2,400
61	Wayne State U.	77,350	84,178	94,812	96,808	0	27,503	67,032	2,273
62	PA State U. all campuses	82,591	86,415	91,336	95,815	21,126	20,666	54,023	0
63	Georgetown U.	72,032	84,345	91,419	95,516	0	18,118	72,475	4,923
64	U. TX Health Science Ctr. San Antonio	83,761	86,683	89,662	95,125	0	40,346	54,524	255
65	U. South FL	52,194	60,341	82,675	91,408	0	10,834	80,543	31
66	LA State U. all campuses	55,052	60,649	75,608	90,556	5,325	57,525	27,706	0
67	U. CT all campuses	64,292	76,770	86,915	90,532	5,244	42,397	41,047	1,844
68	Dartmouth C.	60,892	69,269	86,002	89,953	0	4,418	85,535	0
69	U. NE all campuses	52,632	62,619	81,002	89,389	16,092	51,720	19,554	2,023
70	MI State U.	69,114	74,152	78,853	88,874	29,446	43,926	13,351	2,151
71	SUNY Albany	30,396	63,018	79,427	88,828	0	88,828	0	0
72	Thomas Jefferson U.	79,217	85,348	92,296	86,171	0	43,660	40,415	2,096
73	VA Commonwealth U.	56,343	69,759	76,262	83,438	0	33,200	44,304	5,934
74	U. KS all campuses	60,391	70,341	77,525	83,061	924	50,972	20,696	10,469
75	Tufts U.	62,033	68,487	79,210	82,608	0	66,044	16,564	0
76	Tulane U.	53,127	65,908	75,621	82,388	0	19,314	14,631	48,443
77	Rockefeller U.	62,725	70,042	76,439	80,161	0	75,714	4,447	0
78	U. NM all campuses	50,121	58,903	60,805	80,016	0	37,624	34,549	7,843
79	U. GA	59,143	70,574	72,512	79,051	21,551	47,432	8,194	1,874
80	U. TN all campuses	55,777	63,321	69,659	74,539	4,003	41,445	27,708	1,383
81	U. MO-Columbia	59,480	62,607	67,833	72,668	21,314	25,970	24,462	922
82	Rutgers, The State U. NJ all campuses	37,573	51,288	63,527	70,346	10,959	37,790	17,221	4,376
83	U. VT	53,274	64,619	68,844	70,034	3,755	29,389	31,308	5,582
84	SUNY Stony Brook all campuses	57,809	60,520	66,377	69,862	0	43,617	26,245	0
85	U. HI Manoa	38,014	50,110	71,092	67,321	13,825	1,738	34,510	17,248
86	Purdue U. all campuses	48,077	54,290	62,338	62,788	25,571	24,484	8,871	3,862
87	U. IL Urbana-Champaign	45,822	54,100	58,990	60,841	16,873	35,639	688	7,641
88	U. AR for Medical Sciences	27,491	41,681	53,249	58,661	0	20,775	36,974	912
89	U. OK all campuses	33,659	41,319	52,107	57,387	0	26,124	25,786	5,477
90	CO State U.	38,463	56,130	68,959	56,385	11,819	16,153	28,133	280

TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
91	TX A&M U. all campuses	42,784	45,979	49,403	55,627	24,523	12,110	18,993	1
92	Brown U.	37,427	45,491	48,819	54,082	0	18,420	13,792	21,870
93	U. Louisville	30,070	30,931	44,572	53,420	5	5,578	44,294	3,543
94	Uniformed Services U. of the Health Sciences	10,294	9,527	62,301	49,950	0	1,675	48,275	0
95	OR State U.	40,042	44,575	49,609	49,142	22,661	21,395	2,852	2,234
96	Rush U.	43,387	48,374	50,023	47,398	0	13,675	31,420	2,303
97	U. MS all campuses	24,080 i	36,540	36,568	44,412	0	6,917	30,151	7,344
98	IA State U.	31,898	36,716	40,605	44,065	19,257	18,145	6,348	315
99	St. Louis U. all campuses	30,220	35,890	35,890 e	43,332	0	12,567	30,761	4
100	WA State U.	34,751	40,478	42,729	43,289	11,280	25,832	2,767	3,410
101	NC State U.	37,438	39,689	40,907	42,988	10,412	31,091	0	1,485
102	Medical C. GA	23,317	28,280	35,841	41,910	0	29,529	12,381	0
103	Charles R. Drew U. of Medicine and Science	39,259	39,407	40,430	41,207	0	0	41,207	0
104	VA Polytechnic Institute and State U.	23,715	35,641	36,016	40,997	17,366	18,074	4,115	1,442
105	CA Institute of Technology	35,134	34,128	42,498	40,582	0	40,582	0	0
106	MT State U. Bozeman	19,161	26,077	29,343	40,416	23,919	14,432	737	1,328
107	Temple U.	27,561	30,161	36,890	38,543	152	15,953	19,995	2,443
108	MS State U.	24,262	25,585	34,637	35,754	29,983	3,824	551	1,396
109	KS State U.	22,875	28,046	33,245	34,298	14,585	19,331	382	0
110	U. TX Austin	27,544	31,220	33,646	34,129	0	19,887	12,972	1,270
111	WV U.	22,211	29,531	31,821	33,616	7,517	8,352	16,988	759
112	U. NV, Reno	20,390	28,402	30,404	32,554	3,987	21,728	6,839	0
113	TX A&M U. System Health Science Ctr.	22,104	25,293	27,862	30,839	0	76	30,763	0
114	Drexel U.	572	22,266	26,811	30,620	0	16,705	12,249	1,666
115	U. PR Medical Sciences Campus	23,931	25,845 i	28,063	29,863	0	0	29,863	0
116	Howard U.	23,343	24,371	26,544	28,628	0	16,508	12,120	0
117	UT State U.	18,448	20,215	22,815	28,369	17,906	5,607	4,705	151
118	U. MT, The	17,789	20,511	25,293	27,899	6,579	9,568	11,333	419
119	Princeton U.	21,380	23,596	26,212	27,757	0	27,757	0	0
120	U. ID	18,866	24,429	30,429	27,667	14,667	9,148	3,806	46
121	Meharry Medical C.	20,453	24,195	26,159	27,408	0	23,534	3,874	0
122	Loyola U. Chicago	24,788	26,944	27,795	26,984	0	13,364	13,456	164
123	Loma Linda U.	17,011	22,675	26,631	26,855	0	12,038	14,817	0
124	George Washington U.	25,815	27,267	27,633	26,500	0	12,077	14,423	0
125	U. MD Biotechnology Institute	14,887	15,348	19,727	26,001	3,789	15,342	0	6,870
126	U. MD College Park	26,381	29,284	25,470	25,288	10,145	9,229	0	5,914
127	NY Medical C.	19,318	23,387	25,103	25,242	0	18,932	6,310	0
128	Morehouse School of Medicine	21,919	24,382	23,331	24,213	0	8,950	15,263	0
129	Brandeis U.	15,482	18,688	22,200	24,115	0	24,115	0	0
130	Auburn U. all campuses	18,519	19,315	22,419	23,550	8,798	4,224	7,956	2,572



TABLE 51. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2005 life sciences for the first 150 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
131	SUNY Health Science Ctr. Brooklyn	23,011 i	23,162 i	23,313 i	23,466	0	11,963	11,482	21
132	SUNY Upstate Medical U.	13,404	16,652	22,650	23,275	0	8,876	14,399	0
133	U. OR	15,678	17,340	20,356	22,730	0	8,753	13,977	0
134	U. CA, Riverside	13,784	17,985	19,122	21,939	1,905	18,016	2,018	0
135	U. SC all campuses	14,948	21,579	24,503	21,833	0	5,673	14,005	2,155
136	U. MA Amherst	15,946	19,438	19,824	20,757	8,313	10,971	788	685
137	Eastern VA Medical School	13,077	15,431	17,530	19,969	0	5,651	14,318	0
138	AZ State U. main campus	10,589	10,776	15,116	19,869	436	16,719	0	2,714
139	OK State U. all campuses	13,150	15,858	18,964	17,528	6,970	10,016	477	65
140	FL State U.	8,031	16,254	20,576	17,409	0	9,020	5,923	2,466
141	San Diego State U.	13,317	13,977	14,763	17,201	0	10,282	6,305	614
142	U. North TX Health Science Ctr. Ft. Worth	7,770	9,927	13,259	17,037	0	13,495	3,542	0
143	U. AK Fairbanks all campuses	14,959	13,711	13,328	16,428	5,975	10,336	117	0
144	U. WY	8,870 e	11,783	11,783 e	15,858	4,088	7,930	3,815	25
145	Medical U. OH	12,006	14,146	14,591	14,756	0	11,404	3,162	190
146	Clemson U.	14,802	14,258	16,590	14,472	5,789	7,092	1,587	4
147	FL A&M U.	8,515	11,761	16,886	14,134	5,627	1,119	7,388	0
148	NM State U. all campuses	9,898	11,443	13,069	14,119	9,920	4,190	0	9
149	U. AR main campus	13,170	13,151	13,678	13,855	10,818	2,313	0	724
150	U. SD	4,212	5,464	10,311	13,769	0	684	13,085	0
	All other sampled institutions	576,273	645,442	719,999	769,398	119,623	399,633	181,932	68,210

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$17 million in federally financed R&D expenditures in the life sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	2,450,242	2,555,686	2,696,412	2,657,369	689,667	764,806	867,988	845,191
1	U. FL	106,650	111,340	127,866	135,943	21,597	25,070	27,330	24,095
2	U. CA, Davis	111,445	116,189	116,311	119,411	25,683	32,100	29,951	27,881
3	Purdue U. all campuses	49,270	88,408	94,778	94,060	9,592	21,635	26,786	25,571
4	U. GA	88,620	96,695	98,376	91,831	17,165	20,585	22,422	21,551
5	MI State U.	77,002	80,279	81,471	86,723	19,135	22,514	24,837	29,446
6	Cornell U. all campuses	69,355	75,694	79,371	84,180	18,729	23,869	26,800	29,585
7	MS State U.	70,570	71,392	81,980	83,644	21,962	23,383	29,304	29,983
8	TX A&M U. all campuses	72,545	73,474	77,490	77,916	18,329	19,991	21,884	24,523
9	PA State U. all campuses	73,977	74,234	77,983	72,115	17,139	19,173	20,329	21,126
10	U. CA, Berkeley	70,036	70,932	72,018	68,247	19,801	22,213	25,687	26,222
11	VA Polytechnic Institute and State U.	69,338	64,010	64,162	68,002	13,849	17,865	16,714	17,366
12	U. MO-Columbia	57,129	63,609	70,313	67,553	20,495	18,155	21,347	21,314
13	U. AZ	53,026	60,461	68,529	67,469	17,081	24,760	30,715	26,952
14	U. MN all campuses	65,828	62,884	61,209	65,464	18,134	15,946	16,402	18,700
15	NC State U.	75,524	63,130	68,916	63,948	11,242	10,426	10,605	10,412
16	LA State U. all campuses	56,460	59,956	62,632	63,481	4,831	4,866	5,310	5,325
17	U. NE all campuses	47,057	48,085	54,540	56,451	10,498	12,127	14,865	16,092
18	OR State U.	57,748	54,765	54,495	55,269	21,746	22,385	23,935	22,661
19	IA State U.	49,398	43,841	45,693	54,885	13,053	11,072	13,408	19,257
20	U. IL Urbana-Champaign	53,955	55,359	50,554	54,498	12,482	14,495	15,110	16,873
21	U. KY all campuses	39,354	50,440	52,141	51,114	5,330	6,988	8,265	9,473
22	U. AR main campus	50,233	49,193	52,275	50,689	11,268	11,125	11,543	10,818
23	KS State U.	46,169	48,261	50,556	50,237	10,132	13,227	15,028	14,585
24	MT State U. Bozeman	34,363	36,945	40,895	48,069	10,726	14,133	16,543	23,919
25	Auburn U. all campuses	45,086	47,982	47,791	47,682	9,560	10,041	9,951	8,798
26	ND State U. all campuses	46,754	46,863	50,163	46,551	5,264	5,971	7,520	8,776
27	WA State U.	41,107	46,982	45,949	45,903	10,111	11,061	12,051	11,280
28	OH State U. all campuses	37,255	51,748	61,518	44,454	8,138	6,306	22,960	15,947
29	U. WI Madison	41,943	44,664	43,238	43,665	14,792	16,681	16,314	16,139
30	Rutgers, The State U. NJ all campuses	37,843	37,725	38,795	41,367	8,258	9,290	10,506	10,959
31	U. MD College Park	37,239	38,607	36,246	37,806	13,956	14,187	10,332	10,145
32	U. TN all campuses	32,406	31,704	33,213	34,613	2,287	2,374	3,017	4,003
33	U. ID	38,056	37,817	34,530	34,088	13,106	14,411	15,411	14,667
34	OK State U. all campuses	29,857	33,863	32,851	33,787	5,962	7,669	7,805	6,970
35	UT State U.	23,550	24,405	27,571	30,662	11,354	11,830	13,040	17,906
36	CO State U.	37,964	19,875	25,575	30,033	20,544	7,969	13,641	11,819
37	Clemson U.	34,662	29,597	30,001	29,457	8,607	6,193	7,692	5,789
38	NM State U. all campuses	19,339	20,985	20,196	22,696	7,190	8,301	9,410	9,920
39	WV U.	9,460	10,950	15,905	17,777	4,408	4,409	6,819	7,517
40	SD State U.	10,634	15,550	17,412	17,120	3,347	4,440	4,915	5,952
41	U. MA Amherst	11,073	10,762	15,321	17,017	5,025	5,508	7,367	8,313
42	U. DE	14,590	15,357	15,645	16,976	3,210	4,165	5,806	5,695
43	U. NV, Reno	12,214	14,325	13,850	16,314	2,206	3,516	3,570	3,987
44	U. HI Manoa	13,194	10,176	15,883	15,626	5,598	8,462	13,816	13,825
45	U. WA	19,525	19,075	13,222	13,742	13,028	12,619	9,582	10,047
46	U. AK Fairbanks all campuses	9,226	11,647	12,713	12,752	6,632	5,525	4,568	5,975
47	U. WY	11,745 e	12,518	12,518 e	12,518	4,713 e	4,177	4,177 e	4,088
48	AL A&M U.	9,945	24,223 i	12,723	11,950	7,364	20,864 i	8,214	8,716
49	U. NH	11,997	11,482	12,117	11,920	2,898	3,894	2,503	3,860
50	TX Tech U.	11,965	11,460	10,953	11,707	2,175	1,885	2,267	2,918

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	U. ME	10,667	10,771	12,811	11,359	3,128	3,635	4,179	3,453
52	U. CA, Riverside	44,635	44,922	44,010	10,955	6,727	9,975	11,656	1,905
53	U. MT, The	8,505	9,291	9,784	10,252	5,069	5,844	6,017	6,579
54	Southern IL U. Carbondale	11,040	11,650	10,772	9,929	1,747	1,883	2,917	2,614
55	U. CT all campuses	8,539	7,961	7,917	9,616	3,471	3,729	4,348	5,244
56	U. MI all campuses	6,011	7,192	7,715	9,411	2,241	2,876	3,542	4,694
57	CA State U. Fresno	6,807	8,110	10,867	9,108	176	418	1,187	2,284
58	NC Agricultural and Technical State U.	5,175	6,855	7,882	8,827	3,112	3,496	3,660	3,992
59	U. VT	6,284	7,069	6,993	7,805	2,683	2,878	2,875	3,755
60	FL A&M U.	4,527	4,913	6,648	7,735	4,189	4,493	4,909	5,627
61	TX A&M U. Kingsville	4,994	5,565	6,211	7,201	386	604	773	854
62	U. RI	6,061	7,612	7,864	7,091	5,431	6,833	6,668	5,056
63	U. MD Biotechnology Institute	4,060	5,392	5,087	6,726	2,244	2,831	2,636	3,789
64	TN State U.	5,370	5,122	6,118	6,362	2,821	3,129	3,556	3,600
65	Alcorn State U.	3,480	5,333	5,566	6,256	3,480	5,333	5,566	5,396
66	Prairie View A&M U.	5,213	5,097	5,326	6,063	3,206	3,218	3,441	3,406
67	U. CA Office of the President	NA	NA	6,621	5,864	NA	NA	148	251
68	Northern AZ U.	6,711	6,190	5,448	5,688	4,042	3,675	4,032	4,043
69	U. AR Pine Bluff	4,942	5,276	5,142	5,374	2,352	2,641	2,767	2,986
70	Tarleton State U.	3,500	4,210	3,974	4,957	3,461	3,912	3,819	4,884
71	VA State U.	6,244	6,305	5,504	4,703	5,995	6,060	5,206	2,386
72	Langston U.	3,975	4,332	3,578	4,371	3,975	4,332	3,578	3,848
73	CA State Polytechnic U. San Luis Obispo	3,371	2,936	3,198	4,336	266	227	196	987
74	Humboldt State U.	3,148 i	3,349 i	3,827 i	3,653 i	2,017 i	2,139 i	2,600 i	2,431 i
75	U. GU	2,521	2,544	3,817	3,569 i	2,521	2,544	3,817	3,569 i
76	KY State U.	6,068	6,251	3,148	2,957	5,916	6,251	3,148	2,957
77	U. Toledo	1	61	492	2,608	0	0	355	1,926
78	U. CA, Santa Cruz	2,333	2,575	2,726	2,563	345	420	463	489
79	Tuskegee U.	2,292	2,296	2,649	2,522	2,192	2,142	2,512	2,392
80	Ft. Valley State U.	2,931 i	2,892	2,596	2,497	2,931 i	2,798	2,558	2,492
81	Lincoln U. (Jefferson City, MO)	3,291	2,407	2,076	2,384	2,513	2,015	1,452	1,821
82	U. NC Wilmington	1,273	1,343	1,429	2,321	945	899	1,020	594
83	DE State U.	1,811 e	1,888	2,240 i	2,109	1,478 e	1,650	1,982 i	1,862
84	WV State U.	454 i	851 i	986	2,075	402 i	810 i	956	1,688
85	U. HI Hilo	3,046	308	1,063	1,933	2,100	214	913	1,902
86	Stephen F. Austin State U.	3,475	3,170	2,601	1,872	495	590	433	459
87	West TX A&M U.	1,578	1,512	1,434	1,809	105	204	309	589
88	Southern IL U. Edwardsville	0	0	0	1,722	0	0	0	41
89	SUNY C. of Environmental Science and Forestry	3,988 i	4,044 i	2,931 i	1,710 i	625 i	698 i	876 i	1,054 i
90	Yale U.	2,125	2,306	1,582	1,465	1,122	1,130	639	625
91	U. DC	1,117	930	1,277	1,323	523	451	710	618
92	U. MD Eastern Shore	2,469	1,408	152	1,288	2,286	1,147	82	1,236
93	U. KS all campuses	332	218	589	1,245	203	192	405	924
94	U. MA Dartmouth	956	617	1,064	1,180	922	617	914	962
95	U. WI Stevens Point	1,073	1,126	1,042	884	459	494	538	481

TABLE 52. Total and federally financed R&D expenditures in the agricultural sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	AR State U. main campus	403	399	505	834	0	0	0	14
97	Southwest MO State U.	446	381	500	753	8	31	22	74
98	CA State U. Chico	590	506	615 i	649 i	177	61	55 i	97 i
99	AZ State U. main campus	1,183	1,080	725	604	626	558	469	436
100	U. Central AR	347 i	477 i	513 i	580 i	143 i	225 i	286 i	286 i
	All other sampled institutions	37,199	28,725	58,344	8,889	18,679	14,653	44,424	3,798

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

i = data point imputed.

NA = not available; institution was not surveyed separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	6,600,059	7,380,830	8,148,113	8,845,701	4,421,964	5,016,122	5,740,065	6,194,420
1	Scripps Research Institute, The	NA	NA	307,910	338,634	NA	NA	236,989	272,969
2	Baylor C. of Medicine	217,202	237,343	237,838	235,747	165,271	187,069	185,576	175,008
3	Washington U. St. Louis	161,833	191,076	178,256	188,459	130,449	160,931	147,027	154,543
4	U. PA	155,680	162,352	170,081	183,039	125,800	127,515	129,805	137,179
5	Rockefeller U.	150,571	172,060	169,753	176,916	57,543	64,886	71,044	75,714
6	Johns Hopkins U., The <sup>a</sup>	120,338	138,572	158,490	171,374	98,084	110,410	131,938	136,643
7	U. WI Madison	135,056	144,462	155,682	167,191	71,057	80,833	89,736	96,752
8	U. NC Chapel Hill	109,958	129,799	143,891	161,548	81,988	102,748	114,461	129,588
9	Columbia U. in the City of NY	101,784	114,788	123,468	150,438	92,131	103,598	108,485	124,422
10	U. TX Southwestern Medical Ctr. Dallas	118,025	122,035	135,239	142,294	68,565	75,230	85,369	86,919
11	MA Institute of Technology	55,993	54,824	106,095	142,194	45,324	46,722	97,747	124,890
12	U. TX M. D. Anderson Cancer Ctr.	98,147	133,393	142,326	135,884	47,848	51,823	63,268	58,788
13	U. CA, Davis	118,477	119,074	125,408	129,433	45,283	53,858	59,286	65,043
14	Vanderbilt U.	82,878	107,375	120,991	125,819	73,480	93,586	105,530	108,372
15	Yale U.	101,912	110,697	120,311	125,653	83,427	89,477	98,117	100,953
16	U. MI all campuses	101,593	122,533	115,929	124,738	72,384	87,784	90,778	99,390
17	LA State U. all campuses	70,378	77,352	95,079	105,194	35,869	38,353	50,485	57,525
18	OR Health & Science U.	48,304 e	53,547	83,807	104,081	44,880 e	48,848	80,413	99,197
19	U. NE all campuses	74,500	86,528	95,811	103,582	30,656	36,237	47,336	51,720
20	Case Western Reserve U.	51,428	50,210	66,203	102,910	43,858	45,276	55,682	70,859
21	SUNY Albany	35,182	72,593	90,232	102,721	30,396	63,018	79,427	88,828
22	U. FL	53,109	58,708	59,437	96,057	32,642	35,884	38,423	52,492
23	OH State U. all campuses	61,101	72,744	86,864	94,325	32,995	40,152	56,742	54,104
24	U. GA	84,603	82,550	85,560	92,693	38,075	43,582	41,506	47,432
25	U. TX Medical Branch	67,922	83,338	88,794	91,691	41,297	43,833	54,703	60,578
26	Northwestern U.	60,132	67,271	85,943	90,240	44,069	48,355	60,667	65,185
27	U. AZ	69,688	75,743	76,621	90,145	41,453	45,836	48,410	51,276
28	MI State U.	78,263	92,712	90,781	89,315	37,175	37,814	38,947	43,926
29	U. of Medicine and Dentistry NJ	69,481	82,028	81,562	89,134	45,117	54,987	59,688	60,741
30	U. CA, Irvine	72,281	83,099	87,335	88,481	49,434	56,667	62,823	65,144
31	NY U.	49,904	58,561	51,765	87,311	38,575	44,784	43,399	72,025
32	Cornell U. all campuses	70,347	78,523	78,771	86,775	41,772	46,244	46,579	52,306
33	U. AL Birmingham, The	71,488	80,500	92,860	84,351	61,924	71,622	81,821	79,308
34	U. WA	112,566	124,234	86,950	81,810	93,957	106,610	79,701	75,379
35	Tufts U.	74,421	79,921	88,343	80,837	56,575	61,868	70,488	66,044
36	NC State U.	68,619	69,603	73,478	78,147	24,018	28,316	28,818	31,091
37	Duke U.	66,854	65,864	71,459	77,924	51,181	54,303	57,723	60,860
38	U. Chicago	57,812	62,497	70,322	77,354	46,532	50,068	60,291	66,548
39	U. KS all campuses	57,182	58,956	70,110	75,122	29,601	36,047	45,962	50,972
40	Mt. Sinai School of Medicine	64,867	83,296	84,429	75,090	44,061	65,072	66,690	68,167
41	IN U. all campuses	55,554	67,475	79,709	72,993	36,421	42,285	51,619	54,169
42	U. Cincinnati all campuses	58,584	62,101	72,188	70,936	45,530	48,856	51,104	49,415
43	Harvard U.	81,845	71,591	63,427	70,389	70,557	63,047	59,100	62,175
44	U. MN all campuses	62,555	64,602	63,087	70,065	35,943	37,159	39,668	46,310
45	U. IL Chicago	47,644	53,627	61,673	70,047	30,954	35,240	44,363	48,168
46	Rutgers, The State U. NJ all campuses	42,791	54,928	60,444	66,915	15,630	22,461	28,564	37,790
47	U. KY all campuses	48,463	58,746	64,430	66,019	30,439	34,550	36,976	40,119
48	U. VA all campuses	56,922	64,283	64,567	65,737	47,503	54,837	53,977	55,874
49	U. CT all campuses	45,972	49,817	61,017	63,536	31,630	43,114	41,630	42,397
50	Emory U.	55,999	54,005	56,521	61,922	46,403	44,192	49,420	54,826

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	U. IA	53,114	55,773	61,428	61,768	34,900	37,218	38,961	36,763
52	U. IL Urbana-Champaign	55,283	61,955	61,911	61,322	29,774	34,172	36,436	35,639
53	SUNY Buffalo all campuses	47,987	59,106	61,850	60,307	31,330	40,354	42,504	43,455
54	U. CA, Berkeley	59,935	58,860	57,014	59,425	44,598	41,794	38,510	39,175
55	U. MA Worcester	44,810	50,967	57,951	58,543	40,556	46,064	51,693	51,744
56	U. TN all campuses	40,798	47,941	51,630	57,372	31,797	36,927	39,205	41,445
57	Medical U. SC	38,101	43,591	50,040	56,020	28,954	35,301	40,398	42,665
58	U. CO all campuses	57,550	53,291	52,743	55,572	50,116	47,582	46,611	48,539
59	U. Rochester	46,447	52,101	52,590	55,176	38,736	42,140	43,641	46,203
60	SUNY Stony Brook all campuses	51,118	61,946	64,640	54,983	34,044	37,906	42,817	43,617
61	U. TX Health Science Ctr. San Antonio	51,262	58,654	50,930	54,610	36,377	38,140	35,567	40,346
62	U. CA, Riverside	11,449	13,943	12,672	52,794	5,154	6,093	5,817	18,016
63	WA State U.	43,565	49,105	51,776	51,973	20,493	24,851	26,192	25,832
64	U. NM all campuses	36,040	39,717	32,218	51,499	28,512	30,931	22,749	37,624
65	U. CA, San Diego	50,860	54,071	60,730	50,936	32,803	36,384	42,718	37,592
66	Medical C. WI	39,154	42,748	42,144	49,796	30,870	32,679	30,434	35,683
67	U. MO-Columbia	33,340	39,274	44,439	48,290	18,723	18,668	20,542	25,970
68	Thomas Jefferson U.	54,459	62,315	54,101	47,882	46,331	47,756	50,229	43,660
69	Yeshiva U.	38,087	42,962	44,494	47,541	27,699	31,244	36,789	39,097
70	U. MD Baltimore	40,023	44,591	47,594	45,659	17,552	18,923	21,183	19,391
71	Purdue U. all campuses	56,102	34,044	40,187	45,300	27,640	20,309	20,827	24,484
72	Medical C. GA	29,913	32,954	36,915	44,745	13,461	17,510	23,837	29,529
73	CA Institute of Technology	37,600	36,353	44,270	44,305	35,134	34,128	42,498	40,582
74	Wayne State U.	2,955	3,350	3,341	44,056	1,982	2,286	2,247	27,503
75	VA Polytechnic Institute and State U.	16,454	19,330	19,560	44,038	7,026	9,420	9,024	18,074
76	VA Commonwealth U.	32,772	36,781	38,709	43,884	22,644	26,882	29,300	33,200
77	U. CA, San Francisco	64,000	61,621	43,548	43,574	42,676	40,639	33,166	33,040
78	PA State U. all campuses	29,379	35,939	40,941	42,657	17,173	18,421	19,690	20,666
79	OR State U.	31,947	35,398	39,711	42,259	15,184	18,600	20,947	21,395
80	Princeton U.	29,180	33,738	38,198	41,607	21,380	23,596	26,212	27,757
81	AZ State U. main campus	14,443	28,398	26,137	41,565	8,052	8,307	12,468	16,719
82	U. UT	38,450	38,259	39,745	41,241	27,592	29,074	30,161	31,175
83	IA State U.	35,378	43,449	44,794	37,958	13,680	19,122	20,089	18,145
84	TX A&M U. all campuses	32,584	33,920	35,476	37,893	9,554	9,784	10,605	12,110
85	U. OK all campuses	30,906	34,457	36,428	37,686	17,608	20,781	24,215	26,124
86	U. VT	28,718	33,233	34,079	35,625	22,132	27,064	27,554	29,389
87	U. AR for Medical Sciences	10,397	9,500	30,558	34,689	7,584	7,292	25,496	20,775
88	KS State U.	21,876	22,496	27,250	29,602	12,635	14,365	17,702	19,331
89	Tulane U.	16,194	18,771	28,974	29,328	10,167	12,419	18,186	19,314
90	Brandeis U.	21,187	24,747	27,311	29,005	15,482	18,688	22,200	24,115
91	U. Miami	24,726	25,408	26,588	28,957	18,534	18,907	21,194	24,166
92	U. TX Austin	22,675	25,367	26,222	28,521	15,482	17,956	19,558	19,887
93	CO State U.	21,084	64,179	28,867	27,974	10,719	40,585	22,126	16,153
94	U. MD Biotechnology Institute	27,472	21,071	22,491	27,736	7,861	7,601	10,988	15,342
95	U. NV, Reno	16,219	22,202	26,455	27,087	13,420	18,119	20,509	21,728

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	NY Medical C.	17,380	22,760	25,141	24,345	13,933	18,910	18,989	18,932
97	Meharry Medical C.	18,406	23,331	23,433	23,534	18,356	23,331	23,154	23,534
98	Brown U.	6,332 i	7,230 i	7,565 i	23,456	3,603 i	4,379 i	4,699 i	18,420
99	Drexel U.	720	15,940	21,311	23,104	572	12,410	17,407	16,705
100	Stanford U.	17,853	19,059	20,985	23,097	13,389	14,949	17,567	18,116
.	All other sampled institutions	977,167	1,062,698	1,128,781	1,192,195	642,234	709,174	786,153	825,431

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

i = data point imputed.

NA = not available; institution was not surveyed separately.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$15 million in total R&D expenditures in the biological sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	11,487,650	12,779,176	14,036,772	14,874,257	7,206,606	8,242,493	9,389,011	9,898,274
1	U. CA, San Francisco	505,703	581,024	655,164	684,829	263,802	308,271	363,563	386,327
2	U. CA, Los Angeles	537,772	583,167	542,745	563,613	247,311	285,481	314,885	332,692
3	Johns Hopkins U., The <sup>a</sup>	347,468	383,945	430,141	468,404	282,113	313,602	350,909	380,345
4	Duke U.	299,704	366,539	355,060	449,006	155,482	188,586	219,195	242,207
5	U. Pittsburgh all campuses	321,572	332,214	372,068	416,382	251,920	280,529	316,980	341,308
6	U. WA	284,686	311,786	374,135	380,970	218,691	256,534	328,194	327,365
7	Stanford U.	286,805	314,088	352,967	369,032	221,964	244,169	278,738	294,503
8	U. PA	253,871	276,153	296,842	330,178	196,534	206,835	219,636	237,837
9	U. CA, San Diego	241,406	271,570	297,330	329,104	145,766	166,887	193,365	216,561
10	Washington U. St. Louis	205,172	230,511	261,722	284,068	138,263	160,898	190,661	209,301
11	U. WI Madison	228,724	254,282	272,640	274,207	96,547	114,916	131,296	143,683
12	U. MI all campuses	205,213	244,181	248,080	264,077	132,419	158,448	170,700	187,636
13	U. MN all campuses	231,995	235,350	249,193	257,309	159,548	153,523	160,320	164,148
14	Harvard U.	224,969	242,559	287,594	252,985	190,970	208,562	253,858	225,532
15	Yale U.	200,308	218,440	245,106	247,481	153,602	167,346	192,715	191,926
16	U. MD Baltimore	213,458	237,817	253,834	243,517	93,614	100,925	112,977	103,416
17	U. Southern CA	184,196	200,561	210,001	224,343	121,590	137,508	144,882	157,793
18	Baylor C. of Medicine	194,722	224,420	238,237	222,947	94,204	115,695	127,093	125,630
19	U. CO all campuses	151,887	177,847	205,313	219,034	126,065	152,926	175,535	185,860
20	Columbia U. in the City of NY	177,161	184,523	196,759	210,729	148,940	157,648	169,272	183,008
21	U. AL Birmingham, The	164,272	179,415	193,390	210,668	138,804	152,411	158,762	186,578
22	U. TX M. D. Anderson Cancer Ctr.	148,715	150,150	175,286	208,920	62,451	56,709	69,144	84,689
23	Cornell U. all campuses	175,155	194,184	198,299	205,905	103,438	125,080	136,419	148,417
24	Emory U.	150,660	190,824	188,308	201,751	95,171	126,740	136,654	148,947
25	OH State U. all campuses	96,930	107,610	108,227	198,744	54,837	55,686	65,363	95,364
26	Wake Forest U.	108,418	127,528	129,956	181,139	89,581	106,396	116,889	138,418
27	U. TX Southwestern Medical Ctr. Dallas	145,189	154,194	178,652	177,855	86,083	101,573	115,162	114,816
28	U. IA	150,216	147,960	152,119	168,985	95,369	105,789	110,048	117,959
29	Northwestern U.	117,787	138,904	156,735	168,429	67,934	79,523	90,588	90,047
30	U. Rochester	121,966	137,060	156,924	168,186	82,217	90,075	103,961	110,515
31	U. Cincinnati all campuses	112,288	140,722	152,739	162,638	86,758	115,730	122,229	131,698
32	U. South FL	128,491	134,865	155,611	159,022	49,329	57,085	72,311	80,543
33	U. IL Chicago	128,276	145,433	158,381	157,764	70,015	81,795	95,496	99,420
34	Boston U.	119,867	141,491	153,154	157,144	104,378	125,473	136,144	143,892
35	U. CA, Davis	106,874	128,766	139,988	156,028	52,203	69,203	78,439	90,442
36	U. of Medicine and Dentistry NJ	108,675	108,735	127,572	150,644	45,118	50,508	62,124	82,498
37	Mt. Sinai School of Medicine	120,468	120,557	128,357	150,203	81,918	87,647	118,559	123,159
38	U. NC Chapel Hill	140,192	145,126	144,504	145,786	99,906	105,951	112,888	109,490
39	Vanderbilt U.	74,042	100,778	121,888	141,063	60,056	80,036	99,315	112,734
40	Case Western Reserve U.	119,958	134,782	112,884	140,150	110,871	124,208	102,853	85,616
41	U. Chicago	117,468	126,964	127,312	135,652	93,985	98,117	103,512	108,382
42	IN U. all campuses	116,922	136,549	146,109	129,603	56,887	65,513	69,055	69,906
43	U. FL	94,775	118,105	116,977	127,460	43,470	53,390	62,355	61,140
44	SUNY Buffalo all campuses	100,858	103,221	116,764	125,108	46,316	48,074	56,133	62,408
45	Wayne State U.	152,591	163,851	175,377	123,263	73,575	79,939	90,676	67,032
46	Dartmouth C.	83,062	98,515	115,469	123,076	57,803	65,959	81,877	85,535
47	NY U.	88,315	92,855	125,925	118,680	48,019	55,995	75,964	72,548
48	U. AZ	97,842	109,167	106,460	116,639	58,334	68,726	68,450	68,347
49	U. Miami	92,920	95,137	104,546	113,966	54,257	60,238	65,119	74,083
50	OR Health & Science U.	90,513 e	98,228	104,593	113,059	67,445 e	75,901	85,296	93,655



TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	Yeshiva U.	85,696	96,665	99,873	106,626	62,322	70,299	82,578	87,687
52	U. UT	69,203	77,267	87,181	97,317	52,553	58,838	68,211	74,333
53	U. VA all campuses	65,520	76,804	89,205	96,053	55,053	64,645	73,731	80,777
54	Medical C. WI	57,546	65,860	97,091	93,744	45,371	50,347	70,113	67,176
55	U. CA, Irvine	63,125	72,781	84,592	91,955	28,812	35,618	43,386	46,452
56	U. KY all campuses	63,885	73,423	84,660	90,718	27,765	36,580	43,533	46,010
57	U. TX Health Science Ctr. San Antonio	78,354	74,650	84,176	86,153	47,384	48,543	53,705	54,524
58	PA State U. all campuses	59,892	65,308	79,778	84,038	48,076	48,779	51,317	54,023
59	Georgetown U.	66,927	76,247	84,276	83,726	51,264	60,148	67,054	72,475
60	U. Louisville	49,716	55,551	74,949	81,363	23,962	24,871	37,614	44,294
61	U. CT all campuses	61,609	71,794	77,955	80,193	27,925	27,374	39,043	41,047
62	U. TX Medical Branch	59,266	67,141	75,378	79,423	35,796	47,812	46,624	54,765
63	VA Commonwealth U.	58,493	64,709	68,427	73,915	31,164	38,509	42,359	44,304
64	U. MA Worcester	51,616	56,548	68,779	73,125	41,948	45,965	56,406	58,236
65	Uniformed Services U. of the Health Sciences	18,111	19,207	85,642	73,072	6,511	5,979	60,943	48,275
66	Medical U. SC	68,454	64,132	64,547	71,621	34,285	43,076	42,162	43,515
67	TX A&M U. System Health Science Ctr.	49,014	53,354	61,299	70,558	22,104	25,265	27,772	30,763
68	U. TX Health Science Ctr. Houston	87,051	96,241	95,110	70,097	65,234	67,031	67,501	49,043
69	SUNY Stony Brook all campuses	44,139	44,147	50,841	63,267	23,156	22,106	23,192	26,245
70	LA State U. all campuses	41,448	57,571	65,053	59,853	14,194	17,374	19,693	27,706
71	Rush U.	60,344	66,628	64,351	59,110	32,570	35,014	35,087	31,420
72	Thomas Jefferson U.	46,854	45,069	55,744	57,389	31,491	35,933	39,875	40,415
73	TX A&M U. all campuses	50,428	52,693	54,734	56,089	14,901	16,204	16,914	18,993
74	U. CA, Berkeley	40,377	45,123	49,041	55,457	20,664	24,058	26,091	32,775
75	U. AR for Medical Sciences	34,649	54,177	43,505	54,479	19,907	34,389	27,753	36,974
76	U. OK all campuses	38,007	39,234	46,154	53,272	14,260	18,074	24,208	25,786
77	U. TN all campuses	39,112	44,761	45,068	49,889	20,799	23,058	26,297	27,708
78	U. CA Office of the President	NA	NA	45,734	49,687	NA	NA	0	0
79	U. VT	38,070	44,443	49,502	48,341	25,532	31,360	33,679	31,308
80	U. NE all campuses	30,817	34,590	39,911	46,369	10,636	12,299	16,137	19,554
81	U. HI Manoa	21,625	29,145	51,904	44,450	17,277	21,725	32,635	34,510
82	U. MO-Columbia	37,324	42,069	45,541	44,381	17,415	22,747	24,849	24,462
83	Charles R. Drew U. of Medicine and Science	48,839	49,888	51,994	43,231	39,259	39,407	40,430	41,207
84	U. MS all campuses	30,304 i	36,447	40,793	43,179	17,673 i	26,589	28,929	30,151
85	CO State U.	9,760	11,398	41,432	42,732	6,942	7,444	32,848	28,133
86	U. NM all campuses	24,841	31,673	16,415	41,001	18,423	23,564	3,913	34,549
87	U. PR Medical Sciences Campus	29,089	31,124 i	34,092	35,809	23,931	25,845 i	28,063	29,863
88	U. GA	25,611	27,069	33,784	35,771	3,707	5,312	7,865	8,194
89	WV U.	25,483	31,201	31,546	35,596	11,348	15,685	17,138	16,988
90	U. KS all campuses	41,149	39,208	35,183	35,576	22,193	23,505	20,977	20,696
91	St. Louis U. all campuses	15,358	18,144	18,144 e	32,536	13,406	16,623	16,623 e	30,761
92	Temple U.	19,840	19,676	28,298	31,026	12,725	12,198	17,235	19,995
93	Tulane U.	31,918	31,949	28,611	31,020	11,838	13,405	15,411	14,631
94	Rutgers, The State U. NJ all campuses	23,926	27,669	32,218	29,164	11,767	16,130	20,790	17,221
95	George Washington U.	26,602	29,602	28,468	28,332	14,423	18,092	17,519	14,423

TABLE 54. Total and federally financed R&D expenditures in the medical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	U. SC all campuses	25,263	31,788	26,126	27,106	10,826	15,543	15,142	14,005
97	MI State U.	21,232	27,061	28,916	26,414	11,333	12,420	13,830	13,351
98	Eastern VA Medical School	21,296	26,719	27,154	26,343	8,139	10,778	12,697	14,318
99	SUNY Upstate Medical U.	16,190	18,992	22,034	25,116	8,047	10,542	13,773	14,399
100	Wright State U. all campuses	15,605	17,989	17,746	21,512	9,495	11,258	11,061	12,139
	All other sampled institutions	528,175	601,594	706,380	707,318	304,927	375,374	457,746	452,339

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

i = data point imputed.

NA = not available; institution was not surveyed separately.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$3 million in total R&D expenditures in the medical sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	388,257	428,049	448,701	494,682	268,497	294,692	317,881	346,213
1	George Washington U.	14,712	17,960	25,499	33,307	13,942	17,073	24,328	31,516
2	Johns Hopkins U., The <sup>a</sup>	25,826	26,304	28,727	27,874	25,558	25,310	28,345	25,946
3	U. TX Austin	16,782	15,386	14,454	18,672	12,420	11,688	10,608	11,698
4	U. TX M. D. Anderson Cancer Ctr.	10,347	14,720	14,950	17,543	3,882	4,256	4,799	4,963
5	NC State U.	10,816	12,545	14,649	15,818	4,153	5,567	6,874	8,033
6	PA State U. all campuses	6,802	6,580	8,348	15,718	4,031	4,327	5,466	11,081
7	IA State U.	7,620	7,194	8,754	10,322	3,733	2,791	3,725	5,239
8	Rutgers, The State U. NJ all campuses	8,211	9,520	9,787	9,747	3,504	5,221	5,335	5,078
9	TX A&M U. all campuses	7,229	9,393	9,180	9,323	6,122	8,101	7,696	7,560
10	OH State U. all campuses	4,196	8,518	6,827	7,884	1,509	3,113	4,543	5,132
11	NY U.	6,275	7,392	7,208	7,829	5,779	6,742	6,603	7,662
12	Brown U.	6,636	6,395	6,520	7,351	4,379	4,107	3,666	4,033
13	U. MN all campuses	5,921	5,909	5,963	7,137	4,133	4,257	4,159	4,993
14	U. CA, Berkeley	7,474	6,417	6,731	7,129	5,881	4,952	5,676	5,417
15	Stanford U.	5,126	5,807	5,614	6,630	4,853	5,317	5,088	5,996
16	GA Institute of Technology all campuses	7,563	7,653	6,250	6,038	3,682	3,629	2,234	2,612
17	U. CA, Los Angeles	4,229	4,991	5,818	5,990	3,147	3,807	4,148	4,899
18	U. KY all campuses	745	1,928	4,496	5,884	515	1,425	3,657	4,736
19	SUNY Stony Brook all campuses	7,061	6,402	5,467	5,781	4,269	3,523	3,297	3,015
20	U. GA	5,681	5,881	6,033	5,692	1,117	1,368	1,312	1,184
21	U. WI Madison	4,157	4,580	4,803	5,578	2,251	2,810	3,043	3,891
22	U. Southern CA	2,662	3,221	4,157	5,530	2,397	2,400	3,065	4,386
23	Duke U.	2,040	1,856	1,841	5,395	1,880	1,530	1,606	4,505
24	U. MD College Park	2,370	3,084	5,330	5,228	1,087	1,521	2,417	3,095
25	U. AZ	2,814	3,905	5,060	4,852	2,304	3,090	3,821	3,691
26	U. Chicago	2,729	3,361	4,726	4,836	2,621	3,045	4,382	4,609
27	U. FL	6,229	6,874	3,915	4,790	4,002	4,193	2,919	3,521
28	U. MI all campuses	4,169	4,062	4,053	4,674	3,235	3,085	2,950	3,379
29	Boston C.	13,639	12,409	12,409 e	4,641	9,629	8,840	8,840 e	546
30	Purdue U. all campuses	4,636	4,009	4,467	4,330	2,543	2,938	3,244	3,097
31	MI State U.	2,532	3,099	3,492	4,305	1,684	2,210	2,753	3,145
32	MA Institute of Technology	5,185	5,348	5,036	4,268	3,979	4,108	3,772	3,451
33	Naval Postgraduate School	4,854 i	3,380	3,111 i	4,268	4,731 i	3,380	2,935 i	3,643
34	U. WA	4,445	3,934	4,198	4,253	3,988	3,424	3,868	3,994
35	Princeton U.	4,151	4,286	4,072	4,142	2,772	2,886	2,556	2,571
36	Cornell U. all campuses	2,612	3,146	3,713	4,015	1,835	2,442	2,589	3,072
37	U. NE all campuses	2,075	2,735	2,781	3,885	596	1,000	895	1,353
38	U. CA, San Diego	1,894	2,672	3,355	3,841	1,206	1,673	2,463	2,773
39	U. IL Urbana-Champaign	3,565	4,226	3,951	3,770	2,227	2,674	2,584	2,395
40	U. IL Chicago	5,721	5,885	4,669	3,606	4,352	4,267	3,240	2,198
41	Rice U.	3,183	3,558	3,619	3,591	2,990	3,486	3,514	3,278
42	AZ State U. main campus	2,011	2,218	1,827	3,578	1,576	1,576	1,467	3,113
43	U. PA	1,895	2,329	2,948	3,485	1,865	2,216	2,642	3,153
44	Carnegie Mellon U.	3,064	2,977	3,195	3,472	2,292	2,692	2,966	3,205
45	NJ Institute of Technology	1,717	1,693	2,506	3,182	808	948	1,130	1,587
46	U. CA, Davis	2,116	2,158	2,648	3,142	1,521	1,727	2,139	2,608
47	U. Memphis, The	1,254	2,153	2,897	3,097	1,161	1,161	1,095	1,128
48	U. CA, Irvine	1,467	2,103	2,265	3,077	1,044	1,571	1,713	1,974
49	CO State U.	1,858	1,930	3,012	2,949	1,289	1,268	2,565	1,867
50	U. IA	1,031	1,454	2,612	2,860	727	1,147	2,045	2,199

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	U. NC Chapel Hill	1,034	1,496	1,726	2,762	826	1,187	1,405	1,668
52	VA Polytechnic Institute and State U.	2,256	2,357	2,332	2,705	1,521	1,456	1,409	1,731
53	IN U. all campuses	2,334	3,350	3,771	2,685	1,377	1,959	2,275	2,440
54	Rensselaer Polytechnic Institute	1,274	1,633	1,901	2,668	1,118	1,456	1,690	2,339
55	Northwestern U.	891	996	1,460	2,655	746	853	1,237	2,263
56	FL State U.	1,842	2,302	2,388	2,577	694	1,223	1,256	1,664
57	U. MA Amherst	3,124	3,086	2,362	2,519	2,007	1,916	1,584	1,490
58	Western MI U.	4,159	3,673	2,396	2,404	2,815	2,481	1,827	1,673
59	Harvard U.	1,571	2,102	2,223	2,366	1,554	2,084	2,223	2,366
60	U. CO all campuses	1,651	2,334	2,862	2,348	1,479	1,955	2,307	1,878
61	Tulane U.	1,742	1,511	2,036	2,302	1,494	1,341	1,622	1,792
62	Rockefeller U.	1,644	2,999	2,977	2,287	946	570	1,506	1,205
63	U. Houston	510	2,367	1,064	2,147	375	1,935	780	1,298
64	U. SC all campuses	2,309	2,238	2,301	2,132	1,259	1,109	1,311	1,339
65	Boston U.	1,740	1,685	1,909	1,964	1,675	1,505	1,723	1,737
66	Hampton U.	453	259	230	1,958	453	259	230	1,958
67	TX A&M U. Corpus Christi	1,123	1,976	2,870	1,917	1,017	1,841	1,716	1,415
68	Morgan State U.	588	1,903	2,140	1,897	588	1,903	2,140	1,897
69	Clemson U.	2,263	2,135	1,698	1,871	397	543	500	500
70	U. Pittsburgh all campuses	1,212	1,418	1,753	1,849	1,095	1,345	1,612	1,658
71	LA State U. all campuses	1,341	1,876	1,684	1,823	400	450	398	677
72	U. VT	1,155	1,414	1,515	1,711	613	779	1,006	1,061
73	OR State U.	767	1,500	1,412	1,650	610	1,265	1,280	1,538
74	Yale U.	1,259	1,185	1,049	1,612	1,177	1,082	969	1,086
75	U. UT	1,218	1,352	1,543	1,592	1,022	1,167	1,254	1,303
76	Old Dominion U.	545	927	755	1,576	428	760	535	375
77	U. MO-Columbia	1,004	1,325	1,233	1,547	665	942	834	1,112
78	Columbia U. in the City of NY	901	1,439	1,133	1,509	901	1,439	1,133	1,509
79	MS State U.	848	1,038	1,457	1,492	74	182	294	418
80	U. NM all campuses	827	908	1,487	1,439	746	849	1,389	1,328
81	CA Institute of Technology	366	1,902	921	1,426	366	1,850	921	1,426
82	CA State U. Dominguez Hills	1,566	50	1,437	1,413	409	0	962	626
83	U. of Notre Dame	568	1,274	1,270	1,373	568	1,180	1,172	1,260
84	Jackson State U.	461	1,604	1,234	1,330	393	1,321	1,123	1,130
85	SUNY Buffalo all campuses	613	1,569	1,932	1,315	408	480	902	528
86	Worcester Polytechnic Institute	652	655	595	1,258	257	326	394	1,117
87	U. TN all campuses	468	645	977	1,239	366	464	394	672
88	Vanderbilt U.	404	679	962	1,237	386	574	892	1,124
89	U. CA, Santa Barbara	1,437	1,513	1,232	1,193	817	689	545	731
90	San Jose State U.	788	1,078	1,122	1,169	65	127	133	117
91	George Mason U.	2,748	3,622	4,038	1,145	2,696	3,383	3,862	1,014
92	U. VA all campuses	670	715	779	1,113	639	673	709	1,020
93	Ithaca C.	1,632	1,373	1,121	1,092	1,632	1,373	1,121	1,092
94	U. NH	235	113	143	1,081	163	88	116	779
95	MT State U. Bozeman	185	427	1,070	1,041	185	407	911	970

TABLE 55. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	U. MD Baltimore County	796	943	819	1,035	695	862	729	903
97	U. WI Milwaukee	985	933	937	1,030	368	386	502	749
98	Rowan U.	ne	359	724	1,027	ne	359	543	548
99	Syracuse U. all campuses	519	550	697	996	306	384	541	805
100	U. MA Dartmouth	1,291	1,209	833	945	1,153	1,209	674	945
	All other sampled institutions	56,961	56,512	52,248	54,951	35,352	34,839	34,513	35,719

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

i = data point imputed.

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

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$27 million in total R&D expenditures in the mathematical sciences.

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 2005.

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Physical sciences, nec
					All physical sciences	Astronomy	Chemistry	Physics	
	All institutions	3,015,664	3,274,913	3,545,182	3,704,135	454,135	1,363,691	1,606,606	279,703
1	U. AZ	77,860	110,656	124,566	147,092	128,208	13,046	5,838	0
2	Johns Hopkins U., The <sup>a</sup>	115,899	136,074	148,780	146,097	72,230	12,038	50,519	11,310
3	CA Institute of Technology	107,140	125,015	139,631	143,657	6,348	29,563	107,746	0
4	U. CA, Berkeley	78,918	83,187	97,862	120,957	10,869	25,666	83,049	1,373
5	MA Institute of Technology	99,254	96,678	104,868	104,485	16,529	17,984	59,860	10,112
6	Stanford U.	63,387	78,811	89,041	94,093	0	16,781	15,827	61,485
7	Cornell U. all campuses	66,273	78,827	86,225	84,833	15,951	20,770	39,918	8,194
8	U. TX Austin	73,665	73,352	75,345	83,371	12,662	25,818	41,668	3,223
9	PA State U. all campuses	56,959	57,498	59,831	61,961	11,082	20,711	30,137	31
10	U. MD College Park	81,315	57,257	54,976	60,544	11,208	9,543	39,793	0
11	U. CO all campuses	58,379	62,588	57,472	58,784	15,352	18,251	19,971	5,210
12	MI State U.	47,401	50,353	52,277	54,666	0	13,692	40,974	0
13	U. CA, Los Angeles	68,211	72,411	59,270	53,851	0	18,377	34,184	1,290
14	U. WI Madison	50,449	47,928	51,853	52,715	5,437	15,710	24,487	7,081
15	U. IL Urbana-Champaign	48,218	47,967	50,152	52,413	3,710	22,603	26,100	0
16	U. CA, San Diego	38,999	42,904	45,849	51,400	5,266	23,028	20,851	2,255
17	Harvard U.	35,156	36,178	41,824	47,993	4,126	26,572	14,308	2,987
18	Columbia U. in the City of NY	32,054	35,025	36,884	47,824	5,351	7,910	16,573	17,990
19	FL State U.	49,388	48,889	50,839	47,794	0	9,351	38,443	0
20	U. Chicago	33,410	36,444	45,684	46,785	17,634	12,108	13,287	3,756
21	SUNY Albany	2,257	2,653	30,653	45,404	0	1,973	890	42,541
22	U. MI all campuses	27,653	37,817	38,783	39,648	2,693	16,435	16,748	3,772
23	U. CA, Santa Cruz	31,335	33,325	37,630	37,919	22,659	6,934	8,326	0
24	Rutgers, The State U. NJ all campuses	31,423	30,951	32,900	37,725	0	21,049	16,676	0
25	TX A&M U. all campuses	29,238	32,808	36,942	37,523	45	21,739	13,173	2,566
26	IN U. all campuses	34,095	34,322	51,497	36,476	509	11,734	24,197	36
27	U. WA	28,015	33,589	34,917	36,411	2,725	12,703	20,983	0
28	U. FL	28,654	30,292	33,960	34,350	3,310	16,153	14,653	234
29	Princeton U.	28,122	28,542	31,297	33,237	4,735	10,843	17,659	0
30	U. PA	23,609	25,291	27,360	32,380	0	14,751	17,629	0
31	OH State U. all campuses	28,251	32,998	31,277	31,788	2,456	16,378	12,544	410
32	SUNY Stony Brook all campuses	27,071	29,040	29,737	30,384	185	10,191	19,551	457
33	U. MA Amherst	26,779	28,858	32,108	30,336	8,149	17,088	4,948	151
34	GA Institute of Technology all campuses	23,024	24,290	26,380	29,469	0	17,930	10,830	709
35	U. HI Manoa	22,167	19,576	22,653	29,343	21,719	1,731	5,609	284
36	LA State U. all campuses	19,668	21,632	20,325	28,230	0	19,134	7,982	1,114
37	U. CA, Irvine	20,286	22,611	22,364	27,105	0	14,192	12,913	0
38	U. MN all campuses	22,614	25,690	25,803	26,914	2,072	14,222	10,620	0
39	Northwestern U.	23,694	25,858	27,063	26,828	0	17,825	7,027	1,976
40	U. Central FL	15,645	21,364	27,738	26,498	0	3,466	23,032	0
41	NC State U.	20,267	21,499	20,885	26,469	0	8,174	18,295	0
42	U. CA, San Francisco	27,262	28,798	29,609	26,041	0	26,041	0	0
43	U. CA, Santa Barbara	25,959	27,030	25,236	25,153	0	6,960	13,681	4,512
44	AZ State U. main campus	17,772	19,896	21,447	23,607	463	14,196	4,269	4,679
45	U. NC Chapel Hill	18,616	21,482	21,524	23,398	0	18,521	4,877	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
46	U. CA, Davis	21,445	17,833	24,424	21,533	0	7,692	5,629	8,212
47	Boston U.	15,800	24,422	24,437	21,402	1,085	4,635	6,113	9,569
48	Purdue U. all campuses	21,672	21,185	19,563	20,632	0	13,070	7,230	332
49	Yale U.	20,731	21,254	20,136	20,533	1,219	8,658	10,656	0
50	U. Pittsburgh all campuses	13,707	16,654	20,164	20,281	1,175	13,446	5,660	0
51	U. UT	15,847	18,333	18,872	20,030	0	14,251	5,779	0
52	U. MS all campuses	15,159	17,432	17,555	18,720	0	635	18,085	0
53	Rice U.	14,885	15,469	17,436	18,690	172	9,370	9,148	0
54	U. CA Office of the President	NA	NA	17,713	18,260	15,942	0	2,318	0
55	Duke U.	16,837	16,630	17,878	18,250	0	5,885	12,365	0
56	U. TN all campuses	10,403	12,382	13,636	17,985	0	6,550	11,435	0
57	U. IA	18,547	17,522	16,081	17,611	1,173	5,882	10,556	0
58	U. DE	13,042	16,221	16,837	17,308	150	9,098	3,609	4,451
59	U. VA all campuses	14,173	15,315	17,037	16,968	2,443	8,744	5,781	0
60	U. of Notre Dame	17,792	17,230	19,271	16,528	0	8,591	7,937	0
61	Catholic U. America, The	18,565	19,606	18,820	16,332	0	1,473	5,620	9,239
62	WA State U.	12,242	13,497	15,268	15,624	224	6,367	8,454	579
63	Northeastern U.	8,969	11,231	14,081	15,512	0	5,356	10,156	0
64	Vanderbilt U.	10,688	13,946	12,777	15,092	0	5,445	9,561	86
65	VA Polytechnic Institute and State U.	12,830	14,552	14,460	14,786	0	11,382	3,331	73
66	Washington U. St. Louis	12,556	13,235	13,905	14,731	0	7,910	6,821	0
67	Wayne State U.	16,058	16,931	15,325	14,320	0	6,442	4,243	3,635
68	MT State U. Bozeman	12,798	13,067	13,947	14,252	0	5,829	8,423	0
69	U. SC all campuses	24,054	15,099	15,838	14,032	0	8,801	4,242	989
70	U. NE all campuses	12,902	12,602	13,548	13,797	0	4,444	9,353	0
71	SUNY Buffalo all campuses	13,633	15,981	16,751	13,792	0	11,158	2,592	42
72	U. GA	11,145	11,820	12,733	13,444	0	8,511	4,933	0
73	U. OK all campuses	17,763	15,580	13,057	13,417	0	7,826	5,591	0
74	Brown U.	9,427	10,668	12,924	13,359	0	6,659	6,700	0
75	U. IL Chicago	12,918	13,233	13,534	13,219	0	7,648	5,571	0
76	ND State U. all campuses	5,292	12,668	14,277	13,116	0	4,592	270	8,254
77	NY U.	6,494	8,697	7,725	12,650	0	5,868	6,782	0
78	NM State U. all campuses	10,224	9,337	9,456	12,453	2,506	7,514	2,433	0
79	U. AR main campus	11,336	9,073	10,107	12,096	0	6,313	5,783	0
80	Carnegie Mellon U.	11,263	13,624	17,471	11,743	0	4,259	5,622	1,862
81	Clemson U.	8,333	10,055	10,835	11,416	0	5,743	5,673	0
82	CO State U.	10,549	10,001	10,230	11,405	0	8,503	2,848	54
83	IA State U.	10,218	10,606	10,306	11,302	0	6,908	4,349	45
84	U. Rochester	12,725	11,878	11,320	11,271	1,128	3,550	6,593	0
85	U. NM all campuses	8,165	8,793	8,069	11,242	88	4,002	6,576	576
86	U. KS all campuses	7,768	8,040	7,817	11,198	202	6,391	4,605	0
87	U. Akron all campuses	10,236	11,638	10,685	11,114	0	10,618	496	0
88	U. Southern CA	8,448	10,276	11,984	11,070	176	8,615	2,279	0
89	U. NV, Reno	5,369	7,955	7,786	10,393	75	1,449	8,682	187
90	KS State U.	11,131	11,174	11,048	10,302	0	2,488	7,814	0
91	CUNY The City C.	6,205	7,356	9,541	10,179	0	2,920	6,718	541
92	U. KY all campuses	7,767	9,126	9,933	10,084	0	6,219	3,865	0
93	MS State U.	5,284	5,489	10,566	10,070	57	6,182	3,423	408
94	Emory U.	8,673	11,868	8,774	9,985	0	8,223	1,762	0
95	U. Southern MS	6,824	8,060	8,320	9,968	0	9,408	560	0

TABLE 56. R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
96	NJ Institute of Technology	6,255	6,876	8,139	9,659	0	1,668	7,991	0
97	U. ME	4,190	5,452	6,551	9,334	0	5,004	4,330	0
98	U. Houston	6,260	5,924	8,401	9,288	0	5,627	3,213	448
99	Dartmouth C.	3,979	4,716	5,532	9,041	0	4,223	4,818	0
100	U. TX M. D. Anderson Cancer Ctr.	4,936	7,097	8,465	9,041	0	9,041	0	0
	All other sampled institutions	495,341	551,950	590,519	590,324	12,637	296,720	250,584	30,383

NA = not available; institution was not surveyed separately.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$116 million in total R&D expenditures in the physical sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
	All institutions	2,130,827	2,355,164	2,567,499	2,673,596	310,851	947,606	1,232,945	182,194
1	Johns Hopkins U., The <sup>a</sup>	114,292	133,643	146,179	143,656	71,398	11,316	49,632	11,310
2	CA Institute of Technology	102,970	121,492	135,480	137,909	5,782	25,171	106,956	0
3	MA Institute of Technology	96,224	93,550	102,417	99,707	16,524	16,149	59,622	7,412
4	U. CA, Berkeley	54,879	58,292	75,959	98,554	5,661	19,200	73,661	32
5	U. AZ	42,685	62,584	74,058	88,926	74,621	9,587	4,718	0
6	Stanford U.	56,406	71,305	81,910	86,352	0	14,250	14,935	57,167
7	U. TX Austin	52,700	51,027	55,000	58,142	5,385	16,523	36,085	149
8	Cornell U. all campuses	44,674	55,800	56,657	55,723	4,287	13,398	33,072	4,966
9	U. CO all campuses	52,783	57,555	51,571	53,077	14,340	15,716	18,322	4,699
10	Harvard U.	32,752	33,784	38,678	44,859	3,946	24,109	13,921	2,883
11	U. MD College Park	57,640	42,879	41,245	42,744	9,888	6,634	26,222	0
12	PA State U. all campuses	39,869	40,089	41,873	40,854	7,038	13,227	20,589	0
13	U. CA, Los Angeles	33,954	39,145	43,093	40,051	0	14,666	25,385	0
14	Columbia U. in the City of NY	31,122	33,643	32,918	38,206	5,351	7,253	7,817	17,785
15	U. WI Madison	32,913	32,695	35,815	38,025	3,018	9,696	20,444	4,867
16	U. Chicago	27,553	32,600	37,518	37,961	15,723	8,213	11,082	2,943
17	U. IL Urbana-Champaign	30,780	31,765	34,848	37,870	2,109	15,694	20,067	0
18	U. CA, San Diego	28,434	31,052	31,947	37,162	2,782	18,133	14,388	1,859
19	MI State U.	27,149	30,314	33,638	34,833	0	8,112	26,721	0
20	U. WA	20,100	26,603	32,044	31,469	1,677	11,541	18,251	0
21	U. MI all campuses	21,585	25,355	26,627	28,789	2,111	12,628	13,885	165
22	FL State U.	24,809	26,052	27,702	27,349	0	4,645	22,704	0
23	U. HI Manoa	16,740	17,746	20,193	26,669	19,716	1,414	5,291	248
24	U. PA	21,498	21,122	23,112	25,902	0	12,352	13,550	0
25	Princeton U.	20,523	19,415	21,732	23,850	2,984	7,065	13,801	0
26	Rutgers, The State U. NJ all campuses	16,334	17,108	19,613	23,676	0	16,893	6,783	0
27	U. FL	17,554	18,691	24,770	23,676	2,429	10,427	10,814	6
28	TX A&M U. all campuses	14,199	16,048	20,316	22,756	0	11,642	9,754	1,360
29	Northwestern U.	15,577	17,883	20,551	21,612	0	14,549	5,522	1,541
30	U. MN all campuses	18,529	19,609	19,610	20,991	1,267	11,026	8,698	0
31	Boston U.	14,626	23,458	23,839	20,776	989	4,291	6,016	9,480
32	OH State U. all campuses	15,518	17,776	20,759	20,081	1,252	9,612	8,967	250
33	SUNY Stony Brook all campuses	17,782	19,062	19,977	19,768	128	6,486	12,889	265
34	U. CA, San Francisco	20,915	22,787	22,215	19,621	0	19,621	0	0
35	U. MA Amherst	14,493	16,719	19,128	18,358	5,686	9,857	2,815	0
36	U. NC Chapel Hill	13,325	16,616	15,909	18,103	0	14,707	3,396	0
37	U. Pittsburgh all campuses	12,023	14,647	17,663	17,820	1,175	11,800	4,845	0
38	U. CA, Irvine	14,134	14,730	13,910	17,794	0	10,281	7,513	0
39	U. CA, Santa Cruz	12,816	15,627	18,733	17,752	7,903	5,114	4,735	0
40	U. CA, Santa Barbara	19,037	19,814	18,087	17,169	0	5,782	8,880	2,507
41	GA Institute of Technology all campuses	11,207	14,154	15,064	16,857	0	10,201	6,644	12
42	U. MS all campuses	13,259	15,129	15,358	16,361	0	563	15,798	0
43	Rice U.	12,398	12,849	14,824	16,180	109	7,850	8,221	0
44	IN U. all campuses	17,371	17,561	15,566	15,954	349	6,766	8,834	5
45	Yale U.	17,511	17,726	16,383	15,766	546	6,534	8,686	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
46	U. of Notre Dame	14,777	15,915	17,370	15,252	0	7,730	7,522	0
47	U. VA all campuses	12,595	13,575	15,063	15,145	2,214	7,781	5,150	0
48	LA State U. all campuses	12,330	11,731	12,687	15,124	0	10,293	4,831	0
49	Purdue U. all campuses	14,492	14,750	13,736	14,606	0	8,931	5,675	0
50	Duke U.	13,054	14,090	15,267	14,513	0	4,140	10,373	0
51	U. CA, Davis	13,923	13,693	14,688	14,173	0	6,004	3,980	4,189
52	U. DE	8,939	12,981	13,825	13,940	106	7,401	2,543	3,890
53	U. UT	11,745	12,389	13,352	13,823	0	9,421	4,402	0
54	AZ State U. main campus	8,831	10,831	11,252	13,549	92	8,430	3,431	1,596
55	Vanderbilt U.	9,158	10,700	11,132	13,376	0	4,835	8,455	86
56	MT State U. Bozeman	9,776	11,052	12,397	13,000	0	4,982	8,018	0
57	U. IA	14,509	14,019	13,064	12,967	959	3,375	8,633	0
58	Catholic U. America, The	15,129	15,459	15,229	12,333	0	996	4,499	6,838
59	ND State U. all campuses	4,168	11,108	13,227	12,069	0	3,866	228	7,975
60	U. TN all campuses	7,991	8,720	9,606	11,946	0	4,474	7,472	0
61	WA State U.	8,289	9,005	10,332	11,783	209	3,876	7,435	263
62	Washington U. St. Louis	9,951	10,255	10,189	10,983	0	5,625	5,358	0
63	U. Central FL	7,160	12,470	15,123	10,870	0	1,442	9,428	0
64	NC State U.	9,282	9,156	9,439	10,331	0	3,822	6,509	0
65	Northeastern U.	6,089	8,311	10,642	10,168	0	1,672	8,496	0
66	NY U.	5,822	7,983	6,523	10,164	0	5,197	4,967	0
67	U. Rochester	11,199	10,210	9,926	9,881	975	2,874	6,032	0
68	U. NV, Reno	4,997	6,565	7,315	9,810	75	1,377	8,228	130
69	NM State U. all campuses	8,846	8,311	8,144	9,458	1,012	6,554	1,892	0
70	Carnegie Mellon U.	8,627	9,672	10,135	8,925	0	3,412	5,121	392
71	U. IL Chicago	7,768	8,860	10,035	8,825	0	4,896	3,929	0
72	Emory U.	5,365	6,594	7,728	8,817	0	7,345	1,472	0
73	U. KS all campuses	4,970	5,143	5,739	8,616	200	4,452	3,964	0
74	KS State U.	9,489	10,337	9,361	8,456	0	1,907	6,549	0
75	U. NM all campuses	7,285	7,375	7,084	8,358	88	3,087	5,107	76
76	U. Southern MS	4,915	6,058	6,065	8,301	0	7,741	560	0
77	Wayne State U.	8,511	6,951	8,772	8,259	0	4,859	3,311	89
78	CO State U.	7,483	7,242	8,512	8,157	0	6,531	1,589	37
79	U. AR main campus	8,081	6,091	7,915	8,156	0	3,930	4,226	0
80	SUNY Buffalo all campuses	7,497	8,354	9,446	8,003	0	6,350	1,653	0
81	CUNY The City C.	5,245	5,702	6,694	7,787	0	2,522	4,969	296
82	Brown U.	5,126	5,995	7,333	7,427	0	3,673	3,754	0
83	U. SC all campuses	9,103	7,234	8,480	7,175	0	4,383	2,640	152
84	U. CA, Riverside	5,467	6,740	5,936	7,044	0	4,197	2,847	0
85	IA State U.	5,754	6,596	6,255	6,986	0	4,124	2,818	44
86	Case Western Reserve U.	6,022	8,748	7,635	6,965	73	3,234	3,658	0
87	VA Polytechnic Institute and State U.	6,545	8,159	7,526	6,803	0	5,477	1,326	0
88	U. Southern CA	5,870	6,397	6,303	6,564	70	4,902	1,592	0
89	U. AL Huntsville, The	9,413	7,410	7,705	6,561	0	3,174	3,387	0
90	NJ Institute of Technology	3,341	4,447	5,547	6,510	0	1,076	5,434	0
91	U. OR	7,214	6,874	7,071	6,460	0	2,757	3,703	0
92	U. KY all campuses	4,418	5,297	5,834	6,438	0	3,994	2,444	0
93	U. PR Rio Piedras Campus	1,110	2,508	3,208	6,350	0	4,951	1,399	0
94	U. MA Lowell	5,343	5,783	5,207	6,269	0	282	5,987	0
95	U. NE all campuses	7,605	7,684	7,460	6,130	0	1,643	4,487	0

TABLE 57. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by all FY 2005 physical sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				
					All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
96	Fisk U.	3,030	3,000	5,000	6,000	0	0	6,000	0
97	U. TX Dallas	2,278	3,693	4,432	5,982	0	2,902	2,489	591
98	U. CT all campuses	4,529	4,681	5,438	5,944	0	3,901	2,043	0
99	Boston C.	6,743	6,851	6,851 e	5,726	0	4,432	1,294	0
100	U. ME	2,084	2,813	4,130	5,636	0	3,364	2,272	0
	All other sampled institutions	307,902	345,095	388,645	390,992	8,604	192,316	166,433	23,639

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

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$115 million in federally financed R&D expenditures in the physical sciences.

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 2005.

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	1,128,110	1,224,622	1,316,635	1,363,691	736,256	818,508	919,854	947,606
1	CA Institute of Technology	15,590	18,099	22,968	29,563	12,135	15,279	19,685	25,171
2	Harvard U.	15,549	19,456	22,135	26,572	13,637	17,490	19,617	24,109
3	U. CA, San Francisco	27,256	28,798	29,609	26,041	20,915	22,787	22,215	19,621
4	U. TX Austin	22,782	23,382	24,154	25,818	14,104	15,122	16,136	16,523
5	U. CA, Berkeley	21,787	24,907	25,984	25,666	15,867	17,078	19,988	19,200
6	U. CA, San Diego	14,593	17,530	19,638	23,028	11,311	12,749	14,648	18,133
7	U. IL Urbana-Champaign	20,962	20,949	21,217	22,603	12,266	12,336	14,295	15,694
8	TX A&M U. all campuses	18,587	19,703	19,475	21,739	8,450	8,532	8,652	11,642
9	Rutgers, The State U. NJ all campuses	16,891	15,552	16,416	21,049	11,031	10,992	12,276	16,893
10	Cornell U. all campuses	13,340	20,804	20,600	20,770	8,944	15,897	15,350	13,398
11	PA State U. all campuses	17,070	18,214	22,330	20,711	10,312	11,001	14,573	13,227
12	LA State U. all campuses	11,104	14,200	13,409	19,134	7,005	7,470	8,454	10,293
13	U. NC Chapel Hill	13,446	16,045	16,186	18,521	9,294	12,455	12,753	14,707
14	U. CA, Los Angeles	17,758	19,607	20,453	18,377	13,074	14,598	15,453	14,666
15	U. CO all campuses	15,623	15,164	14,960	18,251	13,602	13,251	12,843	15,716
16	MA Institute of Technology	18,352	20,184	20,926	17,984	16,357	17,551	18,774	16,149
17	GA Institute of Technology all campuses	8,948	9,652	14,528	17,930	4,356	4,934	8,500	10,201
18	Northwestern U.	13,776	16,108	17,704	17,825	10,134	11,484	13,631	14,549
19	U. MA Amherst	13,387	15,688	18,074	17,088	7,103	8,567	10,315	9,857
20	Stanford U.	17,856	18,097	18,863	16,781	14,844	15,496	16,668	14,250
21	U. MI all campuses	11,623	15,191	14,901	16,435	9,041	11,202	11,701	12,628
22	OH State U. all campuses	14,174	15,512	14,423	16,378	7,691	8,271	9,461	9,612
23	U. FL	12,154	11,594	13,011	16,153	7,901	7,262	9,667	10,427
24	U. WI Madison	15,214	15,546	17,115	15,710	8,053	9,174	10,830	9,696
25	U. PA	11,107	11,165	12,435	14,751	10,158	9,505	10,852	12,352
26	U. UT	10,349	12,247	13,477	14,251	7,186	7,902	9,164	9,421
27	U. MN all campuses	9,372	9,569	12,018	14,222	6,866	7,051	8,956	11,026
28	AZ State U. main campus	8,244	10,162	11,376	14,196	4,401	5,513	6,259	8,430
29	U. CA, Irvine	9,949	10,856	11,315	14,192	7,196	7,175	6,931	10,281
30	MI State U.	14,142	13,230	13,234	13,692	6,186	7,452	8,358	8,112
31	U. Pittsburgh all campuses	7,668	9,630	13,025	13,446	6,628	8,516	11,283	11,800
32	Purdue U. all campuses	13,553	13,268	12,776	13,070	8,496	8,219	8,419	8,931
33	U. AZ	9,253	10,874	11,312	13,046	6,853	8,174	8,758	9,587
34	U. WA	13,934	16,947	19,354	12,703	8,656	12,522	17,900	11,541
35	U. Chicago	7,387	8,802	10,083	12,108	6,020	6,775	7,315	8,213
36	Johns Hopkins U., The <sup>a</sup>	10,512	11,330	11,890	12,038	10,090	10,753	11,028	11,316
37	IN U. all campuses	13,737	14,701	15,642	11,734	5,584	6,503	6,920	6,766
38	VA Polytechnic Institute and State U.	9,524	11,694	11,332	11,382	4,577	6,598	6,218	5,477
39	SUNY Buffalo all campuses	10,407	12,382	11,898	11,158	5,243	5,895	6,269	6,350
40	Princeton U.	11,316	11,278	12,491	10,843	7,920	7,397	8,271	7,065
41	U. Akron all campuses	10,091	11,260	10,299	10,618	3,669	3,561	3,332	3,421
42	SUNY Stony Brook all campuses	8,203	9,007	10,656	10,191	5,735	6,287	7,060	6,486
43	U. MD College Park	8,480	10,067	9,432	9,543	6,624	7,448	7,324	6,634
44	U. Southern MS	6,506	7,637	8,110	9,408	4,597	5,636	5,861	7,741
45	Rice U.	9,273	9,294	10,220	9,370	7,469	7,421	8,447	7,850
46	FL State U.	13,709	13,321	13,841	9,351	4,015	5,344	4,821	4,645
47	U. DE	6,332	8,931	9,633	9,098	4,050	6,894	7,890	7,401
48	U. TX M. D. Anderson Cancer Ctr.	0	0	8,465	9,041	0	0	5,586	4,445
49	U. SC all campuses	12,358	8,911	10,515	8,801	5,557	4,468	5,844	4,383
50	U. VA all campuses	7,535	8,377	9,088	8,744	6,498	7,234	8,036	7,781

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	Yale U.	6,964	8,062	8,363	8,658	5,199	5,991	6,348	6,534
52	U. Southern CA	6,859	8,890	9,418	8,615	4,484	5,321	4,760	4,902
53	U. of Notre Dame	11,252	10,657	11,325	8,591	8,886	9,559	10,204	7,730
54	U. GA	6,735	7,521	8,349	8,511	2,077	2,607	3,073	3,509
55	CO State U.	7,508	6,617	7,422	8,503	5,705	5,372	6,005	6,531
56	Emory U.	7,526	10,667	7,734	8,223	4,615	5,729	6,764	7,345
57	NC State U.	8,829	8,198	8,261	8,174	3,954	3,666	3,727	3,822
58	Columbia U. in the City of NY	6,628	7,746	7,284	7,910	6,145	7,341	6,655	7,253
59	Washington U. St. Louis	5,993	6,547	7,473	7,910	4,470	4,744	5,401	5,625
60	U. OK all campuses	12,853	10,237	7,745	7,826	6,871	2,566	2,918	2,575
61	U. CA, Davis	6,249	7,526	8,455	7,692	4,783	5,488	6,628	6,004
62	U. IL Chicago	6,335	6,319	6,703	7,648	3,460	4,402	4,615	4,896
63	NM State U. all campuses	5,591	5,488	6,012	7,514	4,890	4,901	5,270	6,554
64	U. CA, Santa Barbara	6,545	7,318	6,856	6,960	5,031	5,708	5,609	5,782
65	U. CA, Santa Cruz	6,274	6,656	7,646	6,934	4,464	5,055	6,108	5,114
66	IA State U.	7,307	6,702	6,202	6,908	3,508	4,190	3,706	4,124
67	Brown U.	4,272 i	4,821 i	5,834 i	6,659	2,153 i	2,518 i	3,079 i	3,673
68	U. TN all campuses	3,998	4,937	4,683	6,550	2,852	3,517	3,396	4,474
69	Wayne State U.	8,233	7,947	6,548	6,442	4,457	4,520	4,465	4,859
70	U. KS all campuses	3,420	3,856	4,124	6,391	1,864	2,033	3,013	4,452
71	WA State U.	5,902	6,266	6,731	6,367	2,740	2,685	3,318	3,876
72	U. AR main campus	6,945	5,469	5,908	6,313	5,483	4,151	4,657	3,930
73	U. KY all campuses	4,391	5,819	5,851	6,219	2,174	3,332	3,671	3,994
74	MS State U.	4,147	3,639	6,211	6,182	1,202	608	2,094	2,628
75	Duke U.	5,921	5,416	5,434	5,885	3,276	3,824	4,155	4,140
76	U. IA	4,139	4,091	4,853	5,882	2,655	3,170	3,711	3,375
77	NY U.	3,637	5,300	5,373	5,868	3,346	4,592	4,395	5,197
78	MT State U. Bozeman	5,521	5,109	5,075	5,829	4,129	4,313	4,080	4,982
79	Clemson U.	4,786	5,667	6,004	5,743	2,296	2,927	2,497	2,642
80	U. Houston	4,121	4,330	5,425	5,627	2,080	2,310	2,366	2,030
81	Boston C.	6,223	6,330	6,330 e	5,610	5,074	5,222	5,222 e	4,432
82	CUNY Hunter C.	3,943	5,994	6,149	5,566	2,959	4,486	4,399	4,289
83	Vanderbilt U.	4,355	4,546	4,312	5,445	3,632	3,714	3,587	4,835
84	Northeastern U.	3,077	3,045	3,371	5,356	1,711	1,407	1,644	1,672
85	U. CA, Riverside	4,900	4,725	4,656	5,285	3,379	3,605	3,570	4,197
86	U. MO-Columbia	3,371	3,269	3,309	5,170	1,822	1,763	1,704	2,678
87	VA Commonwealth U.	4,571	4,328	4,560	5,077	2,665	2,516	3,313	3,626
88	U. PR Rio Piedras Campus	1,445	2,439	3,244	5,011	1,079	2,380	3,117	4,951
89	U. ME	2,373	3,439	4,023	5,004	879	1,839	2,847	3,364
90	U. CT all campuses	3,698	3,792	3,720	4,935	2,164	2,625	2,877	3,901
91	TX Tech U.	5,708	5,479	4,076	4,877	1,290	1,627	1,532	2,266
92	Case Western Reserve U.	3,445	3,714	4,622	4,844	3,012	3,267	3,842	3,234
93	U. AL Huntsville, The	6,882	5,080	4,980	4,720	4,943	3,647	3,656	3,174
94	U. TX Dallas	2,655	5,209	4,629	4,672	1,307	2,459	2,256	2,902
95	Boston U.	3,059	3,827	5,893	4,635	2,904	3,567	5,587	4,291

TABLE 58. Total and federally financed R&D expenditures in chemistry at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	ND State U. all campuses	4,492	4,958	5,168	4,592	3,468	3,870	4,433	3,866
97	U. NE all campuses	5,812	4,522	5,414	4,444	3,063	2,397	2,577	1,643
98	Carnegie Mellon U.	4,326	4,904	4,829	4,259	3,086	3,668	3,796	3,412
99	U. Cincinnati all campuses	3,288	3,796	4,184	4,255	1,128	1,406	1,434	1,816
100	Dartmouth C.	1,751	1,920	2,265	4,223	1,333	1,174	1,494	2,184
	All other sampled institutions	219,092	236,566	260,603	262,053	138,408	153,508	176,692	174,504

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

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$5 million in total R&D expenditures in chemistry.

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 2005.

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	1,286,653	1,418,127	1,521,900	1,606,606	975,187	1,088,219	1,169,036	1,232,945
1	CA Institute of Technology	59,403	101,601	110,465	107,746	59,051	101,470	109,989	106,956
2	U. CA, Berkeley	47,182	47,923	61,480	83,049	34,841	36,985	51,321	73,661
3	MA Institute of Technology	60,509	56,334	58,656	59,860	59,772	56,151	58,574	59,622
4	Johns Hopkins U., The <sup>a</sup>	58,558	58,531	55,548	50,519	58,028	57,604	54,547	49,632
5	U. TX Austin	38,683	38,079	38,484	41,668	34,366	31,910	34,118	36,085
6	MI State U.	33,259	37,123	39,043	40,974	20,963	22,862	25,280	26,721
7	Cornell U. all campuses	34,326	36,036	39,675	39,918	27,487	29,908	32,005	33,072
8	U. MD College Park	18,175	21,363	35,540	39,793	14,512	15,482	25,177	26,222
9	FL State U.	35,655	35,502	36,949	38,443	20,794	20,708	22,881	22,704
10	U. CA, Los Angeles	35,062	37,110	37,827	34,184	20,880	24,547	27,640	25,385
11	PA State U. all campuses	24,027	27,865	27,247	30,137	16,947	19,825	19,854	20,589
12	U. IL Urbana-Champaign	21,795	22,969	24,998	26,100	14,877	16,489	18,255	20,067
13	U. WI Madison	22,052	20,733	21,969	24,487	17,726	16,094	17,597	20,444
14	IN U. all campuses	19,699	18,847	34,893	24,197	11,672	10,823	8,368	8,834
15	U. Central FL	13,760	17,179	25,579	23,032	5,579	8,580	13,405	9,428
16	U. WA	11,687	14,023	12,725	20,983	10,257	12,506	12,034	18,251
17	U. CA, San Diego	16,067	18,116	19,265	20,851	11,711	13,587	13,150	14,388
18	U. CO all campuses	15,999	18,623	21,147	19,971	14,484	17,171	19,183	18,322
19	SUNY Stony Brook all campuses	17,539	18,157	17,181	19,551	10,974	11,289	11,059	12,889
20	NC State U.	10,489	13,301	12,624	18,295	4,617	5,490	5,712	6,509
21	U. MS all campuses	14,333	16,752	16,978	18,085	12,535	14,530	14,824	15,798
22	Princeton U.	13,090	13,232	14,443	17,659	10,469	9,644	10,752	13,801
23	U. PA	12,502	14,126	14,925	17,629	11,340	11,617	12,260	13,550
24	U. MI all campuses	14,264	16,214	16,865	16,748	11,277	13,155	13,181	13,885
25	Rutgers, The State U. NJ all campuses	14,532	15,399	16,484	16,676	5,303	6,116	7,337	6,783
26	Columbia U. in the City of NY	2,383	3,239	5,647	16,573	1,993	2,683	2,458	7,817
27	Stanford U.	5,423	7,486	11,263	15,827	5,042	6,902	10,461	14,935
28	U. FL	13,727	14,956	18,142	14,653	8,499	10,064	13,240	10,814
29	Harvard U.	16,076	14,139	14,567	14,308	15,613	13,736	14,087	13,921
30	U. CA, Santa Barbara	13,485	12,592	12,500	13,681	9,530	8,878	8,342	8,880
31	U. Chicago	11,979	7,198	11,308	13,287	7,674	5,842	9,657	11,082
32	TX A&M U. all campuses	9,224	11,009	14,793	13,173	5,407	6,825	10,472	9,754
33	U. CA, Irvine	10,337	11,755	11,049	12,913	6,938	7,555	6,979	7,513
34	OH State U. all campuses	11,843	14,104	12,973	12,544	6,763	7,781	9,732	8,967
35	Duke U.	10,916	11,214	12,444	12,365	9,778	10,266	11,112	10,373
36	U. TN all campuses	6,405	7,445	8,953	11,435	5,139	5,203	6,210	7,472
37	GA Institute of Technology all campuses	12,682	13,484	10,655	10,830	6,173	9,099	6,509	6,644
38	Yale U.	12,984	12,289	10,806	10,656	11,788	11,061	9,673	8,686
39	U. MN all campuses	11,383	14,478	11,882	10,620	10,125	11,804	9,697	8,698
40	U. IA	12,967	11,678	10,105	10,556	10,669	9,764	8,418	8,633
41	Northeastern U.	5,892	8,186	10,710	10,156	4,378	6,904	8,998	8,496
42	Vanderbilt U.	6,333	9,400	8,236	9,561	5,526	6,986	7,323	8,455
43	U. NE all campuses	7,090	8,080	8,134	9,353	4,542	5,287	4,883	4,487
44	Rice U.	4,202	5,307	6,873	9,148	3,708	4,646	6,093	8,221
45	U. NV, Reno	3,585	4,984	6,528	8,682	3,520	4,702	6,158	8,228
46	WA State U.	5,934	6,750	7,786	8,454	5,195	5,941	6,669	7,435
47	MT State U. Bozeman	7,277	7,958	8,872	8,423	5,647	6,739	8,317	8,018
48	U. CA, Santa Cruz	6,243	8,628	8,454	8,326	3,467	5,342	4,986	4,735
49	NJ Institute of Technology	5,469	6,099	6,953	7,991	2,901	3,874	4,786	5,434
50	LA State U. all campuses	8,483	7,353	6,811	7,982	5,274	4,260	4,233	4,831

TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	U. of Notre Dame	6,362	6,573	7,946	7,937	5,891	6,356	7,166	7,522
52	KS State U.	8,199	8,058	8,189	7,814	7,070	7,598	7,136	6,549
53	IL Institute of Technology	7,489	9,053	8,499	7,499	2,312	3,648	4,243	4,425
54	Purdue U. all campuses	8,119	7,917	6,596	7,230	5,996	6,531	5,317	5,675
55	Northwestern U.	5,419	6,235	6,883	7,027	3,321	4,165	5,156	5,522
56	Washington U. St. Louis	6,563	6,688	6,432	6,821	5,481	5,511	4,788	5,358
57	NY U.	2,857	3,397	2,352	6,782	2,476	3,391	2,128	4,967
58	U. MA Lowell	3,390	5,341	5,556	6,762	2,798	4,629	4,791	5,987
59	CUNY The City C.	2,799	3,405	5,729	6,718	2,255	2,258	3,621	4,969
60	Brown U.	5,155 i	5,847 i	7,090 i	6,700	2,973 i	3,477 i	4,254 i	3,754
61	U. Rochester	7,675	7,140	6,481	6,593	6,977	6,333	5,906	6,032
62	U. NM all campuses	5,424	5,277	4,505	6,576	5,015	4,645	4,032	5,107
63	Lehigh U.	1,316	2,915	4,261	6,435	1,222	1,267	1,360	2,886
64	ID State U.	2,155	2,995	4,398	6,180	727	1,864	2,662	4,516
65	Boston U.	4,780	6,496	6,472	6,113	4,696	6,401	6,416	6,016
66	Fisk U.	3,000	3,000	5,000	6,000	3,000	3,000	5,000	6,000
67	U. AZ	5,763	6,814	4,583	5,838	4,759	5,503	3,412	4,718
68	U. AR main campus	4,391	3,604	4,199	5,783	2,598	1,940	3,258	4,226
69	U. VA all campuses	5,213	5,406	6,122	5,781	4,764	4,936	5,407	5,150
70	U. UT	5,391	5,910	5,386	5,779	4,559	4,487	4,188	4,402
71	Clemson U.	3,547	4,388	4,831	5,673	2,333	2,854	2,804	2,914
72	U. Pittsburgh all campuses	4,992	5,895	5,839	5,660	4,398	5,092	5,085	4,845
73	U. CA, Davis	5,345	4,844	5,043	5,629	3,216	3,192	3,260	3,980
74	Carnegie Mellon U.	6,344	6,359	6,426	5,622	4,948	5,502	5,850	5,121
75	Catholic U. America, The	4,293	4,892	4,862	5,620	3,526	3,994	3,942	4,499
76	U. HI Manoa	4,765	4,038	5,225	5,609	4,677	3,951	4,961	5,291
77	U. OK all campuses	4,910	5,343	5,312	5,591	2,630	2,916	3,068	2,796
78	U. IL Chicago	6,583	6,914	6,831	5,571	4,308	4,458	5,420	3,929
79	FL International U.	586	555	4,389	5,296	394	434	3,310	3,546
80	C. of William and Mary all campuses	4,469	3,310	4,612	5,115	4,095	2,984	4,225	4,722
81	U. MA Amherst	4,105	4,891	5,108	4,948	1,941	2,608	2,426	2,815
82	U. GA	4,410	4,299	4,384	4,933	1,798	1,491	1,544	1,684
83	U. NC Chapel Hill	5,170	5,437	5,338	4,877	4,031	4,161	3,156	3,396
84	Dartmouth C.	2,228	2,796	3,267	4,818	1,554	1,721	1,805	2,669
85	OH U. all campuses	3,124	2,881	4,477	4,700	2,077	2,014	3,135	2,834
86	U. KS all campuses	4,068	3,913	3,513	4,605	2,830	2,843	2,549	3,964
87	U. Toledo	1,951	3,167	3,754	4,443	926	1,678	2,193	2,230
88	IA State U.	2,911	3,897	4,052	4,349	2,246	2,399	2,497	2,818
89	Naval Postgraduate School	3,455 i	3,285	3,024 i	4,343	3,271 i	3,076	2,673 i	3,752
90	U. ME	1,817	2,013	2,528	4,330	1,205	974	1,283	2,272
91	CO School of Mines	5,500	6,554	5,308	4,325	5,041	6,202	5,171	4,128
92	AZ State U. main campus	3,438	3,646	4,578	4,269	2,696	2,742	3,545	3,431
93	Wayne State U.	7,825	8,984	8,777	4,243	4,054	2,431	4,307	3,311
94	U. SC all campuses	4,774	4,565	3,975	4,242	3,239	2,404	2,276	2,640
95	U. OR	4,414	4,145	3,876	4,199	3,931	3,584	3,558	3,703



TABLE 59. Total and federally financed R&D expenditures in physics at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	Air Force Institute of Technology	1,580	3,580	3,288	4,099	662	2,786	1,886	1,900
97	Case Western Reserve U.	2,854	3,890	4,161	4,017	2,709	3,075	3,639	3,658
98	U. AL Huntsville, The	5,592	4,624	4,851	4,013	4,470	3,763	4,049	3,387
99	U. KY all campuses	3,376	3,307	4,082	3,865	2,244	1,965	2,163	2,444
100	Rensselaer Polytechnic Institute	1,684	2,081	2,378	3,657	1,179	1,498	1,662	2,346
	All other sampled institutions	180,114	202,614	199,698	199,525	123,917	144,800	143,357	142,012

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$42 million in total R&D expenditures in physics.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	672,685	769,572	782,364	825,901	475,828	553,427	586,548	611,001
1	U. WI Madison	24,743	26,189	29,329	29,796	18,587	21,042	22,945	24,461
2	PA State U. all campuses	12,634	17,220	18,626	22,721	7,581	10,256	11,985	11,847
3	U. CT all campuses	7,375	10,898	12,908	15,152	5,783	8,547	10,223	12,123
4	NY U.	14,629	13,380	14,903	14,938	12,247	11,478	12,179	12,256
5	U. Rochester	11,737	11,811	14,732	13,884	7,591	8,056	10,461	10,609
6	U. Houston	8,457	3,294	5,618	13,249	6,205	1,673	4,632	6,632
7	U. MN all campuses	9,768	12,518	12,752	13,090	6,717	8,557	8,830	8,835
8	U. GA	10,302	13,186	14,005	13,020	5,093	7,935	8,130	7,883
9	FL State U.	6,579	6,371	8,574	12,923	3,065	2,804	4,880	9,238
10	U. CA, Los Angeles	11,188	11,905	11,982	12,773	7,211	8,194	8,990	9,845
11	U. IL Urbana-Champaign	9,485	11,536	14,265	12,594	5,483	6,564	8,754	8,235
12	Temple U.	10,482	11,558	10,338	12,586	7,143	8,113	6,738	8,251
13	U. MI all campuses	12,259	10,150	10,823	11,970	8,317	9,348	9,649	10,208
14	U. FL	6,371	7,945	8,952	11,890	4,945	6,197	7,871	8,200
15	U. CO all campuses	8,246	9,560	9,908	11,799	7,206	8,621	8,629	10,561
16	U. Memphis, The	11,084	11,373	11,065	11,658	5,661	6,682	5,756	6,634
17	GA State U.	9,009	9,553	11,634	11,182	5,992	6,658	8,793	8,570
18	IN U. all campuses	10,500	11,462	12,234	11,152	6,762	7,644	8,089	8,968
19	Rutgers, The State U. NJ all campuses	9,527	10,809	11,378	10,773	4,003	4,732	5,318	4,643
20	U. NM all campuses	9,373	6,453	5,665	10,304	7,790	4,552	4,631	8,818
21	San Jose State U.	6,530	8,155	9,056	9,787	6,527	8,155	9,056	9,787
22	U. WA	8,718	8,640	8,863	9,733	7,485	7,897	8,359	8,876
23	Vanderbilt U.	5,940	10,519	9,639	9,694	4,655	7,298	7,655	7,701
24	U. NE all campuses	7,175	8,543	9,650	9,691	4,215	5,210	5,539	5,346
25	AZ State U. main campus	6,308	8,323	8,694	9,565	4,996	7,164	6,872	7,959
26	U. Miami	8,412	9,848	10,194	9,538	8,213	9,530	9,737	8,974
27	Princeton U.	5,404	7,812	9,863	8,871	3,944	5,595	7,519	7,199
28	U. CA, Berkeley	9,823	11,820	11,531	8,805	6,310	8,065	7,944	5,551
29	San Diego State U.	7,975	9,021	9,020	8,776	3,826	4,924	5,347	4,850
30	U. TX Austin	5,350	7,186	7,560	8,693	4,748	6,572	6,931	7,900
31	U. AL Birmingham, The	5,895	7,266	7,514	8,414	5,374	6,445	6,920	8,374
32	U. TX M. D. Anderson Cancer Ctr.	0	7,856	7,966	7,851	0	4,113	4,984	5,226
33	U. Pittsburgh all campuses	5,669	6,878	7,488	7,847	5,451	6,515	6,997	7,233
34	U. MO-Columbia	4,506	8,306	7,273	7,647	2,700	3,899	4,941	5,234
35	Stanford U.	4,837	6,530	8,602	7,603	3,672	5,245	6,864	6,438
36	Harvard U.	6,168	6,459	8,245	7,525	5,901	6,285	7,769	7,096
37	Boston U.	6,004	6,193	6,622	7,439	5,823	6,157	6,601	7,298
38	U. South FL	11,416	14,505	3,164	7,255	4,689	7,460	2,327	4,515
39	U. VA all campuses	5,070	6,367	7,287	7,026	4,467	5,864	6,430	6,191
40	U. CA, San Diego	6,182	6,935	7,369	6,993	5,258	5,529	5,889	5,384
41	CUNY Hunter C.	4,141	5,524	6,133	6,977	3,205	3,788	4,617	5,055
42	U. IA	4,521	4,958	5,477	6,971	3,897	4,471	5,056	6,103
43	OH State U. all campuses	7,876	8,297	6,752	6,947	5,353	5,098	5,020	4,992
44	U. OR	8,848	5,897	8,135	6,914	8,505	5,527	7,496	5,971
45	Yale U.	5,987	6,311	8,249	6,873	3,735	4,271	5,666	4,610
46	MI State U.	5,983	6,633	6,472	6,861	3,940	4,128	3,832	3,456
47	U. IL Chicago	6,273	6,195	6,626	6,671	4,014	3,961	4,154	4,481
48	U. Chicago	3,844	5,629	6,346	6,623	3,813	5,611	5,926	6,570
49	Cornell U. all campuses	7,055	6,920	5,388	6,464	2,302	2,693	2,462	2,670
50	Washington U. St. Louis	3,039	3,250	4,475	6,356	2,215	2,302	3,030	4,780

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	U. KY all campuses	3,400	3,158	5,099	6,294	2,887	2,669	3,768	5,253
52	U. SC all campuses	3,102	5,377	6,162	6,246	2,064	2,916	4,685	4,324
53	Purdue U. all campuses	4,524	5,810	5,494	6,198	2,598	3,365	3,748	4,416
54	U. PA	3,504	4,978	5,122	6,080	2,982	4,494	4,889	5,537
55	U. NC Chapel Hill	5,584	6,447	6,065	5,999	4,669	5,552	5,359	4,703
56	Johns Hopkins U., The <sup>a</sup>	3,371	4,315	5,846	5,720	3,250	3,954	5,218	5,134
57	Dartmouth C.	5,868	5,579	6,070	5,594	4,173	3,972	3,907	3,601
58	SUNY Buffalo all campuses	3,964	5,120	4,749	5,489	2,006	2,719	2,510	2,911
59	U. MA Amherst	5,144	5,067	5,077	5,475	3,555	3,558	3,442	3,304
60	SUNY Stony Brook all campuses	3,851	3,715	3,472	5,302	2,788	2,548	2,682	4,271
61	Carnegie Mellon U.	7,016	11,111	7,637	5,237	6,295	9,532	6,850	4,648
62	VA Commonwealth U.	3,214	5,101	4,875	5,126	2,259	3,250	3,041	3,617
63	GA Institute of Technology all campuses	4,524	5,008	3,236	5,018	2,202	3,327	1,833	1,979
64	MS State U.	1,493	1,780	2,099	4,993	751	784	1,142	3,288
65	U. AZ	3,342	3,820	4,136	4,903	2,131	2,563	2,960	3,398
66	U. MD College Park	3,970	4,203	4,798	4,844	3,019	3,936	4,634	4,566
67	CO State U.	3,979	3,312	3,784	4,812	2,885	2,765	3,119	3,856
68	Wayne State U.	2,960	3,873	3,533	4,705	1,821	2,459	2,214	3,753
69	Tufts U.	4,133	3,619	4,042	4,677	1,725	1,385	2,104	2,936
70	Columbia U. in the City of NY	3,098	3,862	3,865	4,183	2,951	3,471	3,756	4,113
71	Teachers C. Columbia U.	3,301	3,824	3,983	4,072	2,636	3,153	3,149	3,250
72	U. of Notre Dame	2,177	3,338	3,932	4,029	1,809	2,824	3,615	3,922
73	U. Southern CA	4,650	6,258	4,615	4,028	3,625	4,678	3,379	3,099
74	Syracuse U. all campuses	1,978	2,314	3,155	4,023	1,952	2,298	3,135	3,975
75	U. CA, Irvine	4,649	4,347	3,508	3,960	3,661	3,149	2,122	2,145
76	Northeastern U.	1,969	2,846	3,514	3,901	1,290	1,496	1,939	2,013
77	U. DE	1,230	2,014	3,328	3,817	954	1,723	2,853	3,098
78	U. Louisville	2,405	2,736	3,163	3,808	1,867	2,054	2,512	3,088
79	Northwestern U.	3,314	4,177	4,098	3,755	2,800	3,414	3,312	2,896
80	SUNY Binghamton	3,233	4,009	3,890	3,503	2,136	2,279	2,599	2,385
81	U. MO-Kansas City	1,336	1,198	2,230	3,485	461	728	1,507	2,668
82	UT State U.	2,298	2,272	3,925	3,384	1,223	1,151	2,379	1,746
83	U. CA, Santa Barbara	7,077	8,177	3,089	3,266	4,797	5,811	2,560	2,767
84	FL International U.	584	1,005	2,597	3,134	393	787	1,958	2,098
85	DePaul U.	2,011	2,295	2,685	3,034	1,775	2,130	2,570	2,818
86	TX A&M U. all campuses	3,078	2,725	2,621	2,940	2,420	2,022	1,820	2,054
87	U. UT	2,347	2,368	2,544	2,897	1,809	1,937	2,257	2,534
88	George Mason U.	2,143	2,747	2,751	2,809	1,967	2,122	1,610	2,054
89	Brandeis U.	1,882	2,591	3,208	2,765	1,506	2,137	2,709	2,472
90	ND State U. all campuses	665	1,034	1,333	2,714	509	828	1,084	2,437
91	Rush U.	1,813	2,140	2,452	2,661	1,369	1,460	1,683	1,752
92	Duke U.	3,783	2,965	1,939	2,527	2,943	2,394	1,209	1,514
93	U. AL, The	2,226	2,549	2,825	2,472	2,203	2,440	2,800	2,423
94	U. RI	5,391	5,515	3,662	2,472	4,843	4,543	2,891	1,772
95	TX Christian U.	2,147	2,381	2,289	2,467	2,142	2,368	2,287	2,462

TABLE 60. Total and federally financed R&D expenditures in psychology at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	CA State U. Northridge	524	1,805	2,113	2,422	327	440	817	920
97	Brown U.	3,028	2,266	2,605	2,349	2,216	1,558	1,558	1,151
98	VA Polytechnic Institute and State U.	2,461	2,946	2,813	2,307	1,502	2,006	2,014	1,454
99	George Washington U.	1,065	1,180	1,125	2,268	834	1,077	1,110	1,554
100	U. Denver	2,483	2,010	2,296	2,251	2,339	1,947	2,050	2,032
	All other sampled institutions	116,699	132,338	119,571	111,622	75,894	89,829	87,776	78,203

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$0 in total R&D expenditures in psychology.

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 2005.

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
	All institutions	1,591,628	1,667,532	1,666,534	1,675,498	324,344	314,883	371,338	664,933
1	U. MI all campuses	92,279	108,702	92,602	89,909	14,626	14,558	15,355	45,370
2	U. MD College Park	62,573	70,485	79,872	76,411	20,417	11,171	3,130	41,693
3	U. CA, Berkeley	51,204	51,283	49,840	48,971	16,138	7,096	7,219	18,518
4	U. WI Madison	36,982	39,324	41,686	40,905	5,737	3,556	14,734	16,878
5	U. GA	34,689	37,341	39,138	38,593	13,151	4,710	2,714	18,018
6	U. PA	34,590	40,272	38,184	36,185	2,127	16,190	7,759	10,109
7	U. NC Chapel Hill	43,742	27,095	34,016	34,936	424	500	11,169	22,843
8	U. CA, Los Angeles	42,971	41,263	36,461	34,141	371	470	5,544	27,756
9	OH State U. all campuses	30,963	40,370	32,793	33,921	4,141	2,353	3,201	24,226
10	Princeton U.	26,351	28,647	27,524	29,601	3,616	23,320	1,086	1,579
11	U. TX Austin	11,470	20,251	18,156	29,057	692	219	5,810	22,336
12	MI State U.	23,383	26,198	27,952	28,063	11,800	3,602	2,839	9,822
13	Rutgers, The State U. NJ all campuses	23,288	23,365	25,450	27,271	990	7,620	4,647	14,014
14	Cornell U. all campuses	19,497	21,451	22,395	25,750	7,321	1,709	2,612	14,108
15	Duke U.	18,769	21,662	26,865	25,728	1,658	14,754	9,316	0
16	PA State U. all campuses	25,408	26,511	25,994	24,648	1,739	5,312	17,597	0
17	IN U. all campuses	33,908	35,476	32,037	24,596	2,135	8,831	5,674	7,956
18	U. IL Urbana-Champaign	24,875	28,027	27,373	22,623	8,157	354	2,788	11,324
19	U. CA, Davis	16,578	16,736	17,683	22,262	5,337	2,620	1,495	12,810
20	U. MN all campuses	14,973	18,798	20,640	21,164	7,930	3,440	7,412	2,382
21	U. AZ	17,987	20,374	18,212	19,038	4,719	148	9,522	4,649
22	Harvard U.	26,738	22,398	17,914	18,364	4,827	8,965	191	4,381
23	Purdue U. all campuses	20,095	14,781	16,783	17,806	8,878	392	4,515	4,021
24	WA State U.	11,274	12,660	11,317	17,735	9,810	2,028	1,637	4,260
25	FL International U.	8,926	8,568	13,846	16,708	0	1,096	1,903	13,709
26	IA State U.	12,834	14,618	17,597	16,384	3,460	640	12,271	13
27	U. WA	13,231	15,229	34,519	16,232	34	10,182	3,003	3,013
28	U. NE all campuses	13,134	15,189	14,287	14,916	4,385	2,462	3,425	4,644
29	FL State U.	22,103	18,050	15,029	14,626	533	4,230	3,981	5,882
30	U. FL	13,726	10,701	10,482	14,457	9,226	47	985	4,199
31	Brandeis U.	16,733	15,617	12,757	14,264	0	0	12,078	2,186
32	Stanford U.	10,287	11,793	10,895	13,864	1,441	119	708	11,596
33	SUNY Albany	10,832	11,554	13,158	13,335	3	5,713	5,185	2,434
34	AZ State U. main campus	10,083	10,468	10,878	13,222	2,570	1,109	704	8,839
35	U. CA, San Diego	10,532	12,929	12,825	12,607	1,349	3,728	5,505	2,025
36	U. MO-Columbia	12,254	14,185	14,648	12,346	7,471	38	538	4,299
37	U. CA, Santa Barbara	12,285	11,918	11,807	12,064	12	81	296	11,675
38	U. IL Chicago	13,319	15,390	15,037	11,748	183	8	3,829	7,728
39	Columbia U. in the City of NY	7,158	9,473	10,196	11,229	765	1,121	9,343	0
40	Clemson U.	7,001	10,302	11,158	11,207	2,177	2,636	1,169	5,225
41	U. TN all campuses	7,048	8,527	11,006	10,980	7,629	5	2,834	512
42	U. CA, Irvine	9,472	9,826	9,303	10,979	113	5,369	2,096	3,401
43	ND State U. all campuses	7,538	8,342	9,436	10,806	3,802	91	440	6,473
44	GA State U.	10,319	11,587	10,447	10,750	7,274	478	1,509	1,489
45	LA State U. all campuses	9,461	10,375	10,171	10,677	4,642	349	1,958	3,728

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
46	Portland State U.	7,784	7,689	7,689 e	10,590	244	779	592	8,975
47	Carnegie Mellon U.	9,569	10,037	11,799	10,569	2,374	3,508	720	3,967
48	U. MA Boston	8,030	7,860	8,630	10,236	50	275	315	9,596
49	George Mason U.	8,354	8,193	9,402	10,151	1,265	7,769	607	510
50	GA Institute of Technology all campuses	3,765	10,219	11,010	10,090	7,611	672	673	1,134
51	U. Southern CA	9,249	8,882	11,347	10,037	380	4,694	2,893	2,070
52	U. CO all campuses	12,032	11,195	9,923	10,031	582	484	4,966	3,999
53	Georgetown U.	9,818	10,870	10,649	9,978	32	9,292	0	654
54	U. Memphis, The	6,370	7,043	9,193	9,820	4,062	612	2,515	2,631
55	U. KS all campuses	6,901	9,135	9,314	9,459	397	2,273	5,333	1,456
56	U. NV, Las Vegas	1,829 i	5,076	5,939 i	9,297	4,293	0	716	4,288
57	Northwestern U.	12,473	10,602	9,450	9,292	1,591	5,573	1,109	1,019
58	George Washington U.	7,587	6,907	11,472	9,156	263	3,742	4,164	987
59	Syracuse U. all campuses	4,212	3,060	7,908	8,992	0	7,353	90	1,549
60	NY U.	8,029	7,988	9,118	8,864	1,342	5,146	2,274	102
61	TX A&M U. all campuses	7,510	5,384	7,937	8,759	2,980	1,396	1,711	2,672
62	Tufts U.	8,049	4,599	5,956	8,419	174	7,011	0	1,234
63	VA Polytechnic Institute and State U.	9,157	6,399	6,501	8,399	2,889	1,773	542	3,195
64	Brown U.	6,223	6,300	7,156	8,380	2,437	1,015	3,839	1,089
65	U. OK all campuses	13,335	15,728	8,549	8,146	460	1,963	2,493	3,230
66	TX Tech U.	5,738	7,240	7,057	7,825	2,607	2,273	1,090	1,855
67	U. CT all campuses	9,219	8,002	6,864	7,813	2,074	2,785	2,064	890
68	U. Baltimore	ne	ne	ne	7,754	2,912	3,684	0	1,158
69	U. MD Baltimore County	2,035	3,082	4,290	7,425	11	4,975	1,279	1,160
70	U. SC all campuses	9,757	7,899	7,715	7,391	1,047	2,311	442	3,591
71	NC State U.	8,604	8,508	7,265	7,299	2,910	545	2,385	1,459
72	Boston C.	4,873	5,610	5,610 e	7,145	2,143	114	564	4,324
73	MA Institute of Technology	5,793	6,131	6,195	6,945	3,183	2,472	378	912
74	U. KY all campuses	4,867	9,201	7,889	6,939	2,534	1,272	738	2,395
75	San Diego State U.	5,655	5,883	5,004	6,422	279	1,054	742	4,347
76	U. DE	5,423	5,566	6,313	6,394	1,048	62	3,959	1,325
77	U. WI Milwaukee	6,960	7,622	7,284	6,247	613	51	867	4,716
78	OK State U. all campuses	11,652	8,559	7,519	6,140	3,943	328	475	1,394
79	MS State U.	4,653	5,050	6,580	6,098	357	692	666	4,383
80	San Francisco State U.	0 i	0 i	0 i	5,947	69	0	1,132	4,746
81	Wayne State U.	6,684	6,079	6,425	5,923	101	418	1,519	3,885
82	U. HI Manoa	3,514	5,876	7,407	5,698	151	0	253	5,294
83	SUNY Binghamton	3,447	3,718	3,990	5,554	187	685	4,066	616
84	U. IA	6,778	5,364	5,240	5,511	78	2,086	540	2,807
85	U. Chicago	2,392	2,384	3,328	5,249	235	1,723	489	2,802
86	Cleveland State U.	5,212	5,583	6,387	5,227	0	9	110	5,108
87	U. South FL	3,559	4,318	3,567	5,158	1,220	1,238	1,712	988
88	Washington U. St. Louis	5,863	4,674	4,049	4,999	0	429	4,320	250
89	U. Akron all campuses	7,098	5,236	5,342	4,906	8	195	4,680	23
90	U. Houston	3,582	9,802	2,403	4,905	168	483	4,197	57
91	U. NM all campuses	7,177	11,720	12,512	4,905	369	501	658	3,377
92	Yale U.	4,389	6,621	5,496	4,900	1,277	106	20	3,497
93	Johns Hopkins U., The <sup>a</sup>	8,193	5,053	3,167	4,875	641 i	67 i	3,082 i	1,085 i
94	U. Central FL	6,006	9,226	7,759	4,672	213	451	3,076	932
95	U. of the VI	223 i	331 i	1,811	4,638	0	0	0	4,638

TABLE 61. R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
96	U. NH	4,541	5,984	4,299	4,367	507	177	2,803	880
97	U. OR	2,838	3,458	4,192	4,366	605	531	289	2,941
98	U. of Notre Dame	2,235	3,271	4,531	4,288	161	1,008	2,133	986
99	Teachers C. Columbia U.	5,305	4,236	3,641	4,059	1,927	0	0	2,132
100	SUNY Buffalo all campuses	4,098	3,572	4,566	3,978	226	46	241	3,465
	All other sampled institutions	270,126	261,396	241,526	223,792	43,304	33,362	63,091	84,035

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

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$13,000 in total R&D expenditures in the social sciences.

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 2005.

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
	All institutions	614,696	663,568	690,520	691,404	109,269	106,041	193,702	282,392
1	U. MI all campuses	62,450	69,293	49,887	54,590	12,612	9,373	8,682	23,923
2	U. MD College Park	32,218	28,506	32,131	35,852	3,621	3,014	1,872	27,345
3	OH State U. all campuses	11,543	15,074	23,454	24,064	1,736	1,655	1,707	18,966
4	U. NC Chapel Hill	29,399	18,903	24,061	23,281	0	0	8,873	14,408
5	U. WI Madison	17,179	19,565	19,753	22,408	3,121	361	9,451	9,475
6	Duke U.	13,611	15,005	19,525	19,034	559	9,926	8,549	0
7	U. PA	11,846	14,132	17,765	16,834	1,119	4,893	4,548	6,274
8	U. TX Austin	6,103	11,751	10,070	13,821	395	12	4,043	9,371
9	MI State U.	10,042	11,597	12,096	12,982	6,761	688	1,222	4,311
10	FL International U.	6,004	6,709	10,440	11,184	0	734	1,274	9,176
11	Harvard U.	11,613	10,574	8,076	9,755	4,725	3,012	165	1,853
12	PA State U. all campuses	9,289	9,778	9,852	9,153	596	2,451	6,106	0
13	U. MN all campuses	3,894	7,925	7,956	8,913	1,975	972	5,749	217
14	IA State U.	7,060	7,961	10,522	8,776	387	65	8,324	0
15	Carnegie Mellon U.	5,473	7,986	9,376	8,738	1,507	2,652	718	3,861
16	U. CO all campuses	9,832	9,134	7,919	8,194	455	202	4,146	3,391
17	Cornell U. all campuses	6,185	6,842	7,247	7,833	2,252	669	708	4,204
18	Syracuse U. all campuses	2,396	1,658	7,012	7,709	0	6,132	40	1,537
19	George Mason U.	4,486	5,517	6,571	7,452	186	6,797	82	387
20	U. CA, Berkeley	4,999	6,586	6,724	7,351	4,093	116	1,349	1,793
21	U. AZ	8,218	10,010	9,161	7,169	534	16	5,717	902
22	U. CA, Los Angeles	5,679	7,766	7,426	6,947	7	103	1,673	5,164
23	FL State U.	8,294	6,387	6,833	6,811	201	1,426	2,090	3,094
24	Princeton U.	4,273	4,780	5,755	6,577	744	5,696	82	55
25	IN U. all campuses	6,643	7,303	5,966	6,551	245	1,883	3,403	1,020
26	Brandeis U.	6,273	6,631	6,264	6,499	0	0	6,084	415
27	ND State U. all campuses	4,878	5,582	6,627	6,472	1,553	56	229	4,634
28	Portland State U.	5,265	5,014	5,014 e	6,257	167	308	295	5,487
29	U. WA	3,609	6,167	24,775	6,230	27	1,716	2,322	2,165
30	Columbia U. in the City of NY	5,283	6,495	6,015	6,226	416	0	5,810	0
31	Stanford U.	3,120	3,422	4,217	6,185	785	107	515	4,778
32	Rutgers, The State U. NJ all campuses	2,643	2,857	3,916	6,143	188	367	1,040	4,548
33	Purdue U. all campuses	3,403	4,357	5,103	5,679	2,683	152	2,628	216
34	U. IL Urbana-Champaign	4,344	4,096	6,155	5,505	2,374	89	357	2,685
35	George Washington U.	2,931	3,162	4,564	5,427	194	1,281	3,677	275
36	WA State U.	2,924	2,843	3,018	5,418	3,214	842	460	902
37	U. CA, Santa Barbara	5,752	4,977	5,169	5,210	0	0	10	5,200
38	NY U.	5,015	4,108	4,567	5,147	1,008	2,379	1,706	54
39	AZ State U. main campus	2,035	2,685	3,265	5,066	160	238	605	4,063
40	SUNY Albany	4,151	4,661	4,886	4,918	0	550	2,236	2,132
41	U. KS all campuses	2,979	4,197	4,565	4,881	24	901	2,884	1,072
42	U. NE all campuses	3,260	4,553	4,335	4,681	120	847	2,353	1,361
43	Clemson U.	2,022	4,760	4,975	4,671	405	1,170	189	2,907
44	U. of the VI	0 i	0 i	1,811	4,638	0	0	0	4,638
45	U. CA, San Diego	3,710	4,281	4,441	4,622	297	1,165	3,086	74



TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
46	U. IL Chicago	5,105	6,811	6,697	4,614	10	0	2,756	1,848
47	U. NV, Las Vegas	527 i	3,401	2,930 i	4,566	4,100	0	466	0
48	U. Chicago	2,235	2,319	3,256	4,469	217	1,699	489	2,064
49	U. MO-Columbia	4,002	4,382	5,214	4,201	3,751	2	105	343
50	U. HI Manoa	1,844	4,068	5,483	3,894	124	0	62	3,708
51	U. CA, Irvine	3,170	3,501	3,467	3,824	70	2,486	308	960
52	U. Southern CA	2,983	3,133	4,397	3,717	68	1,521	1,445	683
53	Northwestern U.	4,270	3,326	3,005	3,635	660	2,315	397	263
54	Johns Hopkins U., The <sup>a</sup>	6,905	2,679	2,151	3,552	518 i	57 i	2,761 i	216 i
55	GA State U.	2,506	3,870	3,426	3,517	1,903	49	590	975
56	U. CT all campuses	3,885	3,556	3,447	3,393	794	1,027	1,151	421
57	U. SC all campuses	3,410	3,644	4,068	3,347	468	378	143	2,358
58	U. DE	3,768	4,045	3,675	3,342	134	15	2,915	278
59	U. GA	2,429	3,691	4,093	3,310	1,020	225	85	1,980
60	U. WI Milwaukee	3,639	4,413	4,390	3,305	60	22	684	2,539
61	U. NH	2,696	3,273	2,802	3,232	151	177	2,281	623
62	U. Pittsburgh all campuses	5,960	4,878	3,939	3,198	76	529	343	2,250
63	U. Houston	938	5,691	1,537	3,189	75	27	3,051	36
64	Washington U. St. Louis	4,484	3,782	3,348	3,161	0	284	2,781	96
65	VA Polytechnic Institute and State U.	2,426	1,579	1,580	3,141	1,557	135	282	1,167
66	U. Miami	2,426	1,163	2,337	3,026	14	0	1,853	1,159
67	U. OR	1,744	2,021	2,757	3,018	513	261	148	2,096
68	NM State U. all campuses	1,023	1,710	1,969	2,918	740	84	1,211	883
69	Tulane U.	3,689	4,703	2,446	2,835	0	5	2	2,828
70	U. Memphis, The	3,583	2,806	2,921	2,833	1,350	0	1,367	116
71	U. CA, Davis	4,086	3,138	2,191	2,742	636	124	597	1,385
72	U. MT, The	2,529	2,658	3,432	2,631	1,964	0	0	667
73	U. FL	3,460	1,947	1,745	2,537	1,270	6	558	703
74	Vanderbilt U.	4,900	4,325	3,834	2,533	88	2,339	97	9
75	NC State U.	2,093	2,390	2,244	2,527	668	434	707	718
76	U. MD Baltimore County	1,043	747	1,396	2,461	0	242	1,229	990
77	TX A&M U. all campuses	1,529	1,622	2,100	2,453	45	959	809	640
78	U. OK all campuses	3,554	5,807	2,412	2,401	0	0	2,010	391
79	CA State U. Fullerton	317 i	224 i	2,830	2,400	0	0	0	2,400
80	U. NM all campuses	2,699	6,087	8,451	2,370	281	224	123	1,742
81	Naval Postgraduate School	7,149 i	12,565	10,911 i	2,352	69	2,088	195	0
82	U. Baltimore	ne	ne	ne	2,255	1,654	0	0	601
83	TX Tech U.	337	871	1,279	2,246	871	504	324	547
84	SUNY Binghamton	1,300	1,589	1,909	2,241	11	277	1,808	145
85	Boston C.	3,128	2,976	2,976 e	2,200	1,665	0	0	535
86	LA State U. all campuses	1,941	2,064	1,706	2,166	643	23	622	878
87	GA Institute of Technology all campuses	1,833	3,531	2,812	2,142	1,345	349	349	99
88	Desert Research Institute	0	0	0	2,108	0	0	0	2,108
89	MA Institute of Technology	1,420	1,620	1,898	2,093	746	784	262	301
90	U. KY all campuses	2,073	3,210	2,091	2,060	847	269	300	644
91	U. TN all campuses	1,457	673	1,423	1,898	899	0	823	176
92	MT State U. Bozeman	1,472	1,378	1,678	1,897	1,836	45	16	0
93	U. AL, The	1,607	1,207	1,626	1,870	0	1,419	14	437
94	MS State U.	2,248	1,863	2,614	1,867	0	129	190	1,548
95	U. TX M. D. Anderson Cancer Ctr.	0	113	157	1,866	0	0	1,866	0

TABLE 62. Federally financed R&D expenditures in the social sciences at universities and colleges, ranked by all FY 2005 social sciences for the first 100 institutions: FY 2002–05 and by subfield for FY 2005

(Dollars in thousands)

Rank	Institution	2002	2003	2004	2005				Social sciences, nec
					All social sciences	Economics	Political sciences	Sociology	
96	U. MA Boston	2,898	2,131	1,919	1,774	24	9	0	1,741
97	CO State U.	2,798	5,817	2,152	1,748	684	95	351	618
98	U. VA all campuses	927	1,094	1,158	1,651	481	673	83	414
99	Brown U.	1,765	1,902	1,426	1,627	57	0	1,289	281
100	KS State U.	1,177	1,797	1,382	1,615	873	16	264	462
	All other sampled institutions	100,983	94,187	84,173	77,582	11,793	8,719	24,081	32,989

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

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$13,000 in federally financed R&D expenditures in the social sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002-05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	5,521,833	5,993,169	6,310,181	6,727,741	3,230,122	3,609,889	3,903,105	4,115,717
1	Johns Hopkins U., The <sup>a</sup>	349,481	386,412	417,139	430,954	342,355	377,516	410,730	418,846
2	GA Institute of Technology all campuses	228,484	232,971	275,551	285,572	111,226	134,150	159,978	167,523
3	PA State U. all campuses	193,590	183,570	209,900	221,800	121,950	110,675	137,769	142,985
4	MA Institute of Technology	171,606	195,704	200,773	206,567	117,369	134,015	144,287	149,267
5	Stanford U.	126,204	140,152	147,216	155,844	104,501	117,498	118,487	122,807
6	U. MI all campuses	159,890	169,041	163,062	154,398	102,897	115,309	115,461	109,615
7	U. CA, Berkeley	137,766	152,033	151,395	152,283	55,003	64,345	70,876	65,576
8	TX A&M U. all campuses	142,887	150,239	155,464	147,173	36,311	39,809	45,221	53,371
9	U. TX Austin	118,167	120,983	119,301	140,263	79,322	80,074	77,183	79,927
10	OH State U. all campuses	102,029	108,164	110,958	131,921	27,430	31,749	48,279	49,554
11	U. IL Urbana-Champaign	104,577	114,986	120,032	125,457	61,868	66,381	69,698	76,794
12	Purdue U. all campuses	91,370	100,174	124,849	121,148	29,770	41,770	43,453	45,171
13	VA Polytechnic Institute and State U.	86,257	96,512	101,767	112,951	34,702	39,298	39,074	47,963
14	U. WI Madison	89,683	95,530	94,860	92,982	58,900	60,860	61,122	59,727
15	U. MD College Park	75,160	82,446	82,766	88,338	45,416	47,813	49,146	56,512
16	SUNY Albany	10,149	23,609	56,484	86,371	0	257	1,133	1,571
17	U. Rochester	56,192	58,589	60,464	82,903	47,238	48,369	51,870	71,224
18	NC State U.	76,609	84,442	80,231	81,772	30,210	29,288	34,368	34,210
19	U. FL	63,205	68,343	67,195	80,555	31,209	38,424	43,388	40,621
20	Clemson U.	52,744	64,521	63,864	78,417	24,531	35,798	32,098	29,959
21	Cornell U. all campuses	56,309	63,287	69,046	75,275	33,943	39,147	41,448	45,734
22	NM State U. all campuses	61,590	65,616	50,582	73,977	45,636	49,091	48,757	59,959
23	U. CA, Santa Barbara	44,475	56,144	58,810	73,812	24,933	32,116	36,130	48,922
24	U. CA, San Diego	61,208	66,090	71,132	72,963	30,383	32,582	39,227	38,580
25	U. WA	58,244	57,063	70,034	71,696	41,652	44,116	59,124	60,275
26	U. Dayton	44,387	51,728	62,763	65,671	38,490	46,659	56,043	57,837
27	Northwestern U.	47,655	54,427	55,297	62,017	33,972	36,610	39,490	43,150
28	Princeton U.	48,947	52,419	52,126	57,952	30,525	31,748	32,973	35,543
29	U. CA, Davis	42,674	44,857	50,454	56,758	16,988	18,796	20,784	23,597
30	U. AZ	47,738	50,622	53,542	56,001	26,066	27,725	31,230	26,512
31	U. CA, Los Angeles	51,371	59,498	58,147	55,335	32,827	40,324	39,648	32,944
32	UT State U.	55,524	70,127	77,996	54,754	50,264	65,374	73,611	51,039
33	Carnegie Mellon U.	47,609	54,187	55,992	54,469	26,301	44,628	46,239	44,801
34	U. Southern CA	49,750	51,215	54,854	53,863	37,253	40,469	38,444	37,387
35	U. MN all campuses	47,353	50,175	52,923	51,168	28,807	27,299	29,101	25,979
36	AZ State U. main campus	47,861	51,532	55,648	50,515	21,707	23,750	25,921	28,693
37	U. TN all campuses	34,785	39,326	41,228	49,943	13,752	15,458	17,489	21,385
38	IA State U.	45,727	45,805	48,298	48,153	19,022	22,392	24,710	25,002
39	Rensselaer Polytechnic Institute	34,241	37,819	41,931	46,969	18,944	22,842	25,602	27,801
40	U. KY all campuses	39,297	39,815	43,706	44,346	15,662	16,604	17,861	18,548
41	Case Western Reserve U.	24,133	30,987	40,268	42,557	18,266	23,547	25,953	22,390
42	CA Institute of Technology	43,931	40,064	39,480	41,459	40,636	37,024	36,936	38,735
43	LA State U. all campuses	42,796	44,255	43,376	41,303	15,146	16,140	12,723	9,180
44	MS State U.	54,882	59,993	55,133	41,012	39,986	41,932	26,384	25,040
45	NJ Institute of Technology	45,873	45,197	42,288	40,508	19,639	20,459	18,685	21,265
46	SUNY Buffalo all campuses	37,954	33,269	34,394	39,663	24,418	19,072	21,143	23,985
47	Drexel U.	37,966	32,560	34,660	39,569	25,493	22,433	23,693	26,609
48	U. DE	31,312	34,351	36,213	37,008	18,344	27,020	27,706	27,724
49	U. CO all campuses	32,911	31,196	35,329	35,436	25,869	24,476	28,482	27,713
50	U. VA all campuses	28,866	31,799	34,347	35,033	22,125	23,980	24,822	26,567

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2005 total for the first 100 institutions:  
FY 2002-05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
51	Hampton U.	410	768	1,404	34,260	400	766	1,404	34,260
52	Duke U.	19,253	25,210	28,131	33,932	13,893	18,150	21,202	21,449
53	U. CA, Irvine	22,888	24,509	28,764	33,921	8,227	10,703	13,277	14,385
54	Auburn U. all campuses	32,315	30,471	30,387	33,685	16,464	17,040	16,544	17,668
55	Vanderbilt U.	17,861	23,911	30,986	33,207	14,125	19,814	26,132	26,736
56	U. South FL	19,132	21,551	29,892	32,717	8,110	10,757	15,891	17,026
57	U. IA	27,516	29,236	32,742	31,707	10,927	11,342	13,595	12,734
58	U. NE all campuses	27,931	27,703	28,109	30,675	6,952	7,473	8,217	12,237
59	Rutgers, The State U. NJ all campuses	35,000	33,135	33,838	30,604	14,113	13,977	15,125	11,756
60	Columbia U. in the City of NY	19,666	23,705	25,160	30,452	15,685	18,098	20,732	24,662
61	FL State U.	15,500	25,943	28,942	28,956	11,082	21,098	23,049	23,583
62	U. UT	26,349	30,140	27,831	28,886	14,514	17,364	14,945	16,713
63	U. MO-Rolla	25,806	28,514	28,122	28,728	12,830	14,343	13,694	15,685
64	Wichita State U.	13,932	16,591	23,450	28,691	3,868	7,107	7,925	7,137
65	U. CA, Santa Cruz	3,555	4,983	16,877	28,366	2,090	2,848	13,278	23,424
66	U. PA	18,291	22,058	25,949	27,645	14,712	14,609	17,408	17,784
67	U. Central FL	9,972	24,572	20,256	27,224	5,194	9,619	9,809	9,456
68	WV U.	22,563	28,006	28,632	26,933	17,298	19,572	18,799	18,371
69	U. AL Huntsville, The	20,999	21,004	21,335	26,672	15,157	16,145	17,703	21,398
70	Old Dominion U.	15,547	18,288	22,681	26,428	9,884	12,409	14,270	17,191
71	MI State U.	23,870	24,177	24,928	26,366	7,866	7,982	8,908	9,945
72	U. SC all campuses	28,314	26,171	25,786	26,308	15,098	16,157	16,066	14,545
73	U. Cincinnati all campuses	26,701	28,443	26,815	26,177	12,886	13,553	13,457	13,554
74	WA State U.	20,928	30,276	24,556	25,876	11,445	13,114	13,445	14,341
75	U. MA Amherst	21,224	19,248	23,045	25,838	7,766	7,321	8,553	9,992
76	U. CA, Riverside	14,806	12,316	14,082	25,713	3,863	4,044	3,353	14,951
77	Boston U.	20,875	21,188	23,212	25,074	19,165	19,796	21,292	23,350
78	CO State U.	37,060	18,653	21,824	24,975	23,217	10,193	14,821	14,615
79	MI Technological U.	19,625	18,048	22,512	24,151	11,640	11,210	11,722	11,134
80	U. NM all campuses	26,013	23,275	22,980	23,607	19,546	18,247	18,528	18,492
81	Lehigh U.	17,726	20,332	21,109	23,240	9,223	9,786	12,145	12,197
82	U. Houston	22,111	24,229	18,974	22,826	8,688	6,968	6,771	6,814
83	Northeastern U.	14,811	16,536	16,137	22,529	9,323	9,951	10,259	13,775
84	U. MO-Columbia	19,736	21,713	20,880	22,220	7,127	8,005	6,607	6,220
85	SUNY Stony Brook all campuses	19,123	25,139	24,882	22,114	9,177	10,393	10,431	11,206
86	OR State U.	20,797	23,596	19,869	21,768	13,871	16,160	13,788	14,898
87	U. AR main campus	11,613	12,836	14,543	21,418	4,438	4,804	6,562	8,658
88	U. ND all campuses	17,290	20,396	22,444	21,320	12,547	12,399	15,191	13,871
89	U.S. Air Force Academy	17,901	19,239	20,634	21,237	5,623	8,593	10,326	10,879
90	Harvard U.	6,773	10,894	16,093	21,191	6,006	9,762	14,949	19,287
91	Woods Hole Oceanographic Institution	22,404	17,930	17,539	21,044	14,697	14,360	16,817	20,208
92	U. NH	17,062	17,763	20,920	20,983	7,667	8,517	12,768	13,436
93	Brown U.	14,836	20,946	19,384	20,654	8,957	13,827	12,958	13,718
94	OK State U. all campuses	18,295	20,507	20,197	20,641	7,681	10,104	11,139	10,831
95	Dartmouth C.	18,326	21,597	22,193	20,176	13,636	16,246	16,692	14,494

TABLE 63. Total and federally financed R&D expenditures in engineering at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	U. Pittsburgh all campuses	17,438	15,469	17,850	19,968	9,572	10,476	13,209	15,454
97	U. TX Arlington	9,448	9,359	11,118	19,612	4,604	4,873	5,603	11,521
98	NM Institute of Mining and Technology	16,674	17,309	18,023	18,976 i	7,286	7,864	6,435	6,798 i
99	U. CT all campuses	16,177	18,926	21,216	18,931	7,439	10,591	12,726	12,417
100	U. IL Chicago	15,679	17,006	18,671	18,567	6,043	7,841	9,326	10,149
	All other sampled institutions	770,292	865,510	861,009	903,698	409,243	476,307	501,279	534,193

i = data point imputed.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$388 million in total R&D expenditures in engineering.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 64. R&amp;D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&amp;D expenditures in subfields for the first 100 institutions: FY 2005

(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	6,727,741	440,517	419,830	503,191	788,220	1,579,113	935,057	611,108	1,450,705
1	Johns Hopkins U., The <sup>a</sup>	430,954	43,053 i	20,369 i	9,675 i	10,317 i	124,965 i	86,446 i	564 i	135,565 i
2	GA Institute of Technology all campuses	285,572	38,131	21,673	13,808	13,396	115,675	35,296	17,538	30,055
3	PA State U. all campuses	221,800	6,109	3,389	17,375	14,940	64,527	44,889	68,301	2,270
4	MA Institute of Technology	206,567	18,397	38,595	13,737	11,132	32,388	24,225	14,688	53,405
5	Stanford U.	155,844	7,589	4,292	9,272	9,688	26,709	27,142	2,685	68,467
6	U. MI all campuses	154,398	6,073	10,463	8,891	11,065	42,495	34,146	7,283	33,982
7	U. CA, Berkeley	152,283	0	537	6,312	39,427	76,979	370	105	28,553
8	TX A&M U. all campuses	147,173	15,440	6,433	12,089	41,009	7,618	19,117	5,407	40,060
9	U. TX Austin	140,263	11,233	5,748	14,049	26,263	32,347	13,206	20,082	17,335
10	OH State U. all campuses	131,921	566	3,689	10,177	5,594	18,914	11,888	30,022	51,071
11	U. IL Urbana-Champaign	125,457	5,196	704	7,355	26,443	39,749	15,472	17,483	13,055
12	Purdue U. all campuses	121,148	6,014	6,718	5,535	15,683	35,175	21,867	2,332	27,824
13	VA Polytechnic Institute and State U.	112,951	5,555	1,174	4,660	26,819	24,205	21,627	10,670	18,241
14	U. WI Madison	92,982	0	2,861	7,154	7,489	10,243	5,381	4,212	55,642
15	U. MD College Park	88,338	16,115	0	1,718	8,670	16,651	13,115	4,758	27,311
16	SUNY Albany	86,371	0	0	0	0	0	0	0	86,371
17	U. Rochester	82,903	0	1,615	609	0	3,627	69,736	0	7,316
18	NC State U.	81,772	6,205	6,618	15,231	9,860	13,047	6,401	7,025	17,385
19	U. FL	80,555	7,988	9,696	3,693	17,695	9,885	8,562	8,619	14,417
20	Clemson U.	78,417	0	4,881	10,915	9,753	23,290	11,390	8,959	9,229
21	Cornell U. all campuses	75,275	5,906	0	4,907	8,179	15,055	1,872	3,979	35,377
22	NM State U. all campuses	73,977	499	0	603	4,984	5,515	484	5,400	56,492
23	U. CA, Santa Barbara	73,812	0	0	7,129	0	43,512	2,487	20,324	360
24	U. CA, San Diego	72,963	0	12,901	0	0	41,199	6,924	222	11,717
25	U. WA	71,696	4,435	13,050	4,249	9,254	22,911	5,546	3,343	8,908
26	U. Dayton	65,671	5,853	2	2,444	318	2,287	9,907	41,073	3,787
27	Northwestern U.	62,017	0	9,083	6,156	3,565	6,287	5,606	13,089	18,231
28	Princeton U.	57,952	9,222	0	9,509	3,617	11,748	0	23,061	795
29	U. CA, Davis	56,758	0	11,838	8,923	16,177	8,252	7,169	0	4,399
30	U. AZ	56,001	2,688	2,320	4,499	10,562	18,153	13,080	563	4,136
31	U. CA, Los Angeles	55,335	1,506	2,900	3,080	3,437	23,144	16,292	4,976	0
32	UT State U.	54,754	24,536	244	1,040	2,139	23,299	2,230	0	1,266
33	Carnegie Mellon U.	54,469	144	5,713	3,392	2,983	23,413	5,402	4,876	8,546
34	U. Southern CA	53,863	4,835	11,230	1,672	4,276	26,097	744	1,949	3,060
35	U. MN all campuses	51,168	3,506	2,317	8,718	13,233	8,791	9,396	177	5,030

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields for the first 100 institutions: FY 2005  
(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
36	AZ State U. main campus	50,515	17	4,619	11,977	7,663	15,659	6,558	0	4,022
37	U. TN all campuses	49,943	7,748	1,516	947	10,393	5,865	0	8,073	15,401
38	IA State U.	48,153	7,158	0	3,598	9,329	6,240	3,240	3,901	14,687
39	Rensselaer Polytechnic Institute	46,969	0	2,099	4,202	7,692	4,225	7,380	6,885	14,486
40	U. KY all campuses	44,346	0	1,382	2,143	7,714	3,912	3,217	5,626	20,352
41	Case Western Reserve U.	42,557	0	11,312	1,587	224	4,170	2,378	5,185	17,701
42	CA Institute of Technology	41,459	3,596	822	5,932	3,989	7,606	4,040	5,094	10,380
43	LA State U. all campuses	41,303	0	0	3,937	9,642	1,990	5,504	8,350	11,880
44	MS State U.	41,012	7,383	230	4,719	3,178	12,597	8,896	814	3,195
45	NJ Institute of Technology	40,508	0	2,062	3,686	7,778	5,099	2,406	0	19,477
46	SUNY Buffalo all campuses	39,663	1	2,582	1,957	16,429	3,183	9,809	1,650	4,052
47	Drexel U.	39,569	0	6,526	2,024	1,246	18,882	4,470	6,339	82
48	U. DE	37,008	0	1,423	7,162	6,541	9,259	4,930	0	7,693
49	U. CO all campuses	35,436	12,906	171	6,294	6,814	4,703	3,755	0	793
50	U. VA all campuses	35,033	0	4,482	1,799	2,039	7,373	6,467	10,378	2,495
51	Hampton U.	34,260	34,260	0	0	0	0	0	0	0
52	Duke U.	33,932	0	10,798	0	4,195	11,688	3,319	0	3,932
53	U. CA, Irvine	33,921	0	4,255	1,893	6,815	12,739	7,201	0	1,018
54	Auburn U. all campuses	33,685	985	0	2,811	3,656	5,260	2,966	1,207	16,800
55	Vanderbilt U.	33,207	0	7,196	2,356	3,374	18,159	1,957	0	165
56	U. South FL	32,717	0	0	2,006	15,747	7,121	5,371	0	2,472
57	U. IA	31,707	0	759	2,439	12,203	1,237	6,963	0	8,106
58	U. NE all campuses	30,675	1,598	2,384	6,972	6,919	3,527	2,860	708	5,707
59	Rutgers, The State U. NJ all campuses	30,604	0	3,654	1,849	4,389	7,648	3,349	7,622	2,093
60	Columbia U. in the City of NY	30,452	0	5,048	1,273	961	5,014	1,530	908	15,718
61	FL State U.	28,956	0	195	429	2,388	6,895	17,453	1,001	595
62	U. UT	28,886	0	3,086	5,340	9,232	2,250	3,069	4,995	914
63	U. MO-Rolla	28,728	0	0	378	2,687	4,268	3,998	7,389	10,008
64	Wichita State U.	28,691	26,071	0	0	0	878	101	0	1,641
65	U. CA, Santa Cruz	28,366	0	0	0	0	3,565	0	0	24,801
66	U. PA	27,645	0	7,559	3,206	0	3,114	3,641	6,236	3,889
67	U. Central FL	27,224	2,410	6,405	0	4,226	6,215	2,644	2,443	2,881
68	WV U.	26,933	22	0	4,381	2,941	7,255	9,712	444	2,178
69	U. AL Huntsville, The	26,672	0	0	262	2,231	5,332	6,576	0	12,271
70	Old Dominion U.	26,428	6,772	0	0	177	15,790	1,217	542	1,930

TABLE 64. R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields for the first 100 institutions: FY 2005  
(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
71	MI State U.	26,366	0	0	8,761	3,658	6,911	4,582	0	2,454
72	U. SC all campuses	26,308	0	0	7,148	1,515	11,931	4,243	0	1,471
73	U. Cincinnati all campuses	26,177	3,269	1,575	4,198	7,673	5,267	3,068	882	245
74	WA State U.	25,876	0	1,115	1,899	3,465	5,028	3,019	4,903	6,447
75	U. MA Amherst	25,838	0	0	4,766	6,256	10,394	4,130	0	292
76	U. CA, Riverside	25,713	0	0	2,966	8,368	1,839	1,583	10,957	0
77	Boston U.	25,074	1,617	14,641	0	0	4,362	1,617	2,575	262
78	CO State U.	24,975	0	0	1,626	9,822	8,119	4,380	0	1,028
79	MI Technological U.	24,151	0	777	3,504	4,417	1,973	8,900	2,516	2,064
80	U. NM all campuses	23,607	576	0	3,299	2,044	4,720	2,119	10,249	600
81	Lehigh U.	23,240	0	0	1,934	6,790	4,987	2,893	4,641	1,995
82	U. Houston	22,826	1,462	0	3,539	3,362	4,092	2,088	7,073	1,210
83	Northeastern U.	22,529	0	0	2,394	1,158	14,391	3,807	0	779
84	U. MO-Columbia	22,220	0	53	2,960	4,952	4,683	2,887	4,497	2,188
85	SUNY Stony Brook all campuses	22,114	0	8,293	0	0	4,551	2,260	5,385	1,625
86	OR State U.	21,768	27	5,587	673	5,756	2,416	1,751	1,040	4,518
87	U. AR main campus	21,418	0	419	1,269	3,208	7,140	1,418	0	7,964
88	U. ND all campuses	21,320	0	0	595	112	120	147	0	20,346
89	U.S. Air Force Academy	21,237	18,293	0	0	192	35	2,717	0	0
90	Harvard U.	21,191	0	0	0	0	0	0	0	21,191
91	Woods Hole Oceanographic Institution	21,044	1,500 i	0 i	1,615 i	1,652 i	5,449 i	4,165 i	0 i	6,663 i
92	U. NH	20,983	0	0	470	5,788	10,604	1,326	2,509	286
93	Brown U.	20,654	0	413	620	0	13,218	4,131	2,272	0
94	OK State U. all campuses	20,641	505	0	1,618	1,744	2,824	3,593	0	10,357
95	Dartmouth C.	20,176	0	0	0	1,092	4,790	3,546	10,748	0
96	U. Pittsburgh all campuses	19,968	0	5,699	5,318	1,100	1,854	1,364	2,844	1,789
97	U. TX Arlington	19,612	0	733	0	1,020	6,995	748	529	9,587
98	NM Institute of Mining and Technology	18,976 i	0 i	0 i	6,524 i	0 i	883 i	57 i	1,535 i	9,977 i
99	U. CT all campuses	18,931	0	0	3,442	4,579	4,228	4,416	2,251	15
100	U. IL Chicago	18,567	0	5,603	964	2,467	4,308	5,180	0	45
	All other sampled institutions	903,698	45,547	63,304	94,954	125,251	184,131	134,530	84,147	171,834

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$388 million in total R&D expenditures in engineering.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields for the first 100 institutions: FY 2005  
(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	4,115,717	330,473	255,401	292,190	337,662	1,045,388	626,297	368,934	859,372
1	Johns Hopkins U., The <sup>a</sup>	418,846	39,812 i	16,492 i	9,015 i	9,180 i	124,284 i	84,289 i	556 i	135,218 i
2	GA Institute of Technology all campuses	167,523	27,614	13,015	7,548	4,788	69,927	23,490	11,433	9,708
3	MA Institute of Technology	149,267	16,877	29,615	7,514	7,215	23,370	14,386	9,765	40,525
4	PA State U. all campuses	142,985	4,322	2,493	10,944	6,790	49,197	32,601	35,336	1,302
5	Stanford U.	122,807	6,700	4,013	5,981	6,230	21,892	18,014	1,681	58,296
6	U. MI all campuses	109,615	4,914	6,805	7,400	6,097	29,918	24,004	5,383	25,094
7	U. TX Austin	79,927	8,591	3,653	5,286	2,009	26,390	8,979	10,524	14,495
8	U. IL Urbana-Champaign	76,794	4,088	114	4,593	14,436	25,070	9,354	13,270	5,869
9	U. Rochester	71,224	0	443	531	0	2,361	63,292	0	4,597
10	U. CA, Berkeley	65,576	0	46	2,780	6,144	39,542	0	0	17,064
11	U. WA	60,275	4,106	11,185	3,806	6,098	19,835	4,238	2,705	8,302
12	NM State U. all campuses	59,959	447	0	436	3,582	4,531	379	4,245	46,339
13	U. WI Madison	59,727	0	1,350	4,120	4,839	6,982	2,746	2,510	37,180
14	U. Dayton	57,837	5,307	0	2,188	62	1,734	7,762	37,499	3,285
15	U. MD College Park	56,512	11,287	0	1,267	4,833	14,825	9,302	4,334	10,664
16	TX A&M U. all campuses	53,371	9,782	3,337	2,500	5,812	2,985	7,556	202	21,197
17	UT State U.	51,039	24,457	244	443	889	22,318	2,133	0	555
18	OH State U. all campuses	49,554	290	962	4,378	2,078	10,542	5,766	11,038	14,500
19	U. CA, Santa Barbara	48,922	0	0	5,084	0	33,153	2,049	8,335	301
20	VA Polytechnic Institute and State U.	47,963	2,970	343	2,421	9,386	10,975	10,350	6,491	5,027
21	Cornell U. all campuses	45,734	3,746	0	2,368	2,145	8,965	1,105	1,789	25,616
22	Purdue U. all campuses	45,171	3,559	888	1,758	2,790	17,903	8,616	1,422	8,235
23	Carnegie Mellon U.	44,801	144	4,798	3,131	2,772	17,564	3,995	4,310	8,087
24	Northwestern U.	43,150	0	5,551	4,648	2,213	5,001	4,430	10,945	10,362
25	U. FL	40,621	5,680	2,776	2,489	6,728	6,355	5,100	5,063	6,430
26	CA Institute of Technology	38,735	3,491	676	5,304	3,837	7,507	3,958	5,071	8,891
27	U. CA, San Diego	38,580	0	8,343	0	0	17,661	3,597	0	8,979
28	U. Southern CA	37,387	4,343	6,586	790	2,834	19,026	182	1,261	2,365
29	Princeton U.	35,543	7,247	0	6,286	2,754	7,239	0	12,017	0
30	Hampton U.	34,260	34,260	0	0	0	0	0	0	0
31	NC State U.	34,210	5,056	992	6,382	2,119	7,565	2,836	4,066	5,194
32	U. CA, Los Angeles	32,944	753	1,725	1,812	612	14,051	12,295	1,696	0
33	Clemson U.	29,959	0	2,318	6,414	3,267	4,414	4,768	4,856	3,922
34	AZ State U. main campus	28,693	0	2,998	9,879	2,669	6,848	4,176	0	2,123
35	Rensselaer Polytechnic Institute	27,801	0	1,641	3,363	4,153	3,239	5,373	4,913	5,119

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields for the first 100 institutions: FY 2005  
(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
36	U. DE	27,724	0	1,230	5,351	3,816	7,820	3,798	0	5,709
37	U. CO all campuses	27,713	10,472	104	4,817	5,173	3,547	2,972	0	628
38	Vanderbilt U.	26,736	0	5,269	1,970	2,719	14,956	1,658	0	164
39	Drexel U.	26,609	0	4,315	1,268	619	13,625	2,757	4,025	0
40	U. VA all campuses	26,567	0	3,591	1,303	1,541	5,286	3,791	9,142	1,913
41	U. AZ	26,512	1,837	468	2,466	6,931	7,777	4,654	431	1,948
42	U. MN all campuses	25,979	2,619	1,555	3,633	7,559	4,355	3,590	0	2,668
43	MS State U.	25,040	3,749	132	3,655	1,152	8,256	6,010	595	1,491
44	IA State U.	25,002	5,595	0	2,487	3,000	2,784	1,854	2,004	7,278
45	Columbia U. in the City of NY	24,662	0	3,367	1,182	563	4,186	1,461	791	13,112
46	SUNY Buffalo all campuses	23,985	0	1,972	1,308	7,819	1,131	8,186	985	2,584
47	U. CA, Davis	23,597	0	5,136	5,697	2,566	4,622	2,206	0	3,370
48	FL State U.	23,583	0	0	201	1,423	6,447	14,478	962	72
49	U. CA, Santa Cruz	23,424	0	0	0	0	2,197	0	0	21,227
50	Boston U.	23,350	1,572	13,251	0	0	4,242	1,572	2,451	262
51	Case Western Reserve U.	22,390	0	6,011	983	192	3,390	2,030	4,319	5,465
52	Duke U.	21,449	0	7,832	0	1,520	6,179	2,330	0	3,588
53	U. AL Huntsville, The	21,398	0	0	197	1,724	3,818	5,442	0	10,217
54	U. TN all campuses	21,385	2,651	700	546	1,974	4,223	0	4,797	6,494
55	NJ Institute of Technology	21,265	0	883	1,764	1,441	2,105	697	0	14,375
56	Woods Hole Oceanographic Institution	20,208	1,440 i	0 i	1,568 i	1,588 i	5,284 i	3,918 i	0 i	6,410 i
57	Harvard U.	19,287	0	0	0	0	0	0	0	19,287
58	U. KY all campuses	18,548	0	667	931	5,860	1,600	1,128	1,713	6,649
59	U. NM all campuses	18,492	576	0	2,425	1,523	4,119	1,476	8,026	347
60	WV U.	18,371	0	0	3,424	2,112	5,053	5,913	399	1,470
61	U. PA	17,784	0	4,683	2,589	0	2,021	2,703	3,568	2,220
62	Auburn U. all campuses	17,668	646	0	1,484	1,595	2,621	1,825	762	8,735
63	Old Dominion U.	17,191	4,705	0	0	71	10,557	957	0	901
64	U. South FL	17,026	0	0	927	5,517	5,433	4,201	0	948
65	U. UT	16,713	0	2,053	3,719	3,723	1,289	2,207	3,498	224
66	U. MO-Rolla	15,685	0	0	173	1,445	1,811	2,938	4,138	5,180
67	U. Pittsburgh all campuses	15,454	0	4,481	4,799	304	1,057	1,041	2,427	1,345
68	U. CA, Riverside	14,951	0	0	893	1,781	762	558	10,957	0
69	OR State U.	14,898	27	4,036	537	3,699	1,595	856	237	3,911
70	CO State U.	14,615	0	0	1,023	6,266	5,932	876	0	518

TABLE 65. Federally financed R&D expenditures in engineering subfields at universities and colleges, ranked by all engineering R&D expenditures in subfields for the first 100 institutions: FY 2005  
(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
71	Rice U.	14,593	0	4,142	1,139	923	6,889	1,500	0	0
72	U. SC all campuses	14,545	0	0	3,502	953	7,470	2,312	0	308
73	Dartmouth C.	14,494	0	0	0	817	3,908	2,277	7,492	0
74	U. CA, Irvine	14,385	0	2,315	1,366	2,159	4,877	3,667	0	1
75	WA State U.	14,341	0	412	949	2,437	2,920	1,775	3,494	2,354
76	U. ND all campuses	13,871	0	0	374	75	86	70	0	13,266
77	Northeastern U.	13,775	0	0	1,676	774	9,206	2,042	0	77
78	Brown U.	13,718	0	274	412	0	8,779	2,744	1,509	0
79	U. Cincinnati all campuses	13,554	2,021	1,066	1,910	5,199	1,737	892	703	26
80	U. NH	13,436	0	0	218	4,766	4,955	1,245	2,252	0
81	U. IA	12,734	0	313	1,135	3,227	816	4,398	0	2,845
82	U. CT all campuses	12,417	0	0	1,851	2,843	3,036	3,168	1,519	0
83	U. NE all campuses	12,237	656	339	4,355	2,716	1,053	818	0	2,300
84	Lehigh U.	12,197	0	0	634	2,103	3,722	2,040	2,618	1,080
85	Naval Postgraduate School	11,763	2,398	0	0	0	4,389	1,569	547	2,860
86	Rutgers, The State U. NJ all campuses	11,756	0	165	1,197	535	3,840	2,124	3,391	504
87	U. TX Arlington	11,521	0	406	0	212	3,195	236	173	7,299
88	SUNY Stony Brook all campuses	11,206	0	3,634	0	0	2,300	1,342	3,802	128
89	MI Technological U.	11,134	0	160	2,228	2,526	1,040	3,451	1,044	685
90	U. AL, The	10,940	1,288	0	2,091	1,699	619	1,633	2,182	1,428
91	U.S. Air Force Academy	10,879	8,989	0	0	109	23	1,758	0	0
92	OK State U. all campuses	10,831	278	0	698	1,069	1,144	1,047	0	6,595
93	U. ID	10,637	598	73	189	3,007	3,966	1,435	766	603
94	U. of Notre Dame	10,505	2,063	0	1,520	1,973	4,949	0	0	0
95	U. IL Chicago	10,149	0	2,395	622	1,365	3,034	2,733	0	0
96	U. MA Amherst	9,992	0	0	1,977	629	5,772	1,569	0	45
97	MI State U.	9,945	0	0	3,180	866	2,770	2,363	0	766
98	ND State U. all campuses	9,903	0	0	0	201	149	475	0	9,078
99	U. AK Fairbanks all campuses	9,646	0	0	465	5,933	281	1,855	1,112	0
100	U. HI Manoa	9,578	0	0	0	644	1,986	2,469	1,003	3,476
	All other sampled institutions	502,462	36,450	34,569	52,323	61,325	103,228	80,086	46,384	88,097

i = data point imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$382 million in federally financed R&D expenditures in engineering.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

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 2005

(Dollars in thousands)

Highest degree and control of institution	Item 2A respondents (number) <sup>a</sup>	All R&D expenditures			Federally financed R&D expenditures		
		S&E and non-S&E R&D expenditures	Non-S&E R&D expenditures	Percent <sup>b</sup>	S&E and non-S&E R&D expenditures	Non-S&E R&D expenditures	Percent <sup>b</sup>
All institutions	562	41,800,159	1,749,837	4.2	26,541,696	763,678	2.9
Doctorate	325	40,947,590	1,507,439	3.7	26,039,385	644,385	2.5
Nondoctorate	237	852,569	242,398	28.4	502,311	119,293	23.7
Public	349	27,248,064	1,287,162	4.7	15,728,309	550,897	3.5
Private	213	14,552,095	462,675	3.2	10,813,387	212,781	2.0

S&E = science and engineering.

<sup>a</sup> Survey item 2A collects data on R&D expenditures for non-S&E fields.

<sup>b</sup> 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 2005.

TABLE 67. Non-science and engineering R&D expenditures at universities and colleges reporting non-S&E R&D, by field: FY 2005

(Dollars in thousands)

Field	All non-S&E R&D expenditures	Federal non-S&E R&D expenditures
All non-S&E fields	1,749,837	763,678
Business and management	220,414	52,433
Communications, journalism, and library science	75,320	26,308
Education	760,778	426,218
Humanities	193,533	57,728
Law	61,853	26,879
Social work	86,932	25,525
Visual and performing arts	42,105	3,999
Other non-S&E fields	308,761	144,588

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 2005.

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
	Institutions reporting non-S&E R&D expenditures	40,050,322	1,749,837	220,414	75,320	760,778	193,533	61,853	86,932	42,105	308,761
1	U. WI Madison	798,099	77,623	20,454	2,692	31,855	18,689	1,553	484	336	1,560
2	Harvard U.	447,196	51,023	7	83	10,455	172	2,542	0	0	37,764
3	Purdue U. all campuses	364,986	42,852	15,115	246	5,610	1,768	0	0	62	20,051
4	U. TX Austin	410,981	42,132	2,789	3,909	16,112	380	28	4,067	155	14,692
5	OR State U.	180,309	37,689	0	163	551	23	0	0	0	36,952
6	FL State U.	172,858	35,110	1,697	179	24,762	760	739	6,028	945	0
7	U. MI all campuses	808,887	34,817	6,016	161	18,013	2,098	1,632	6,129	487	281
8	OH State U. all campuses	608,923	34,360	642	817	27,442	2,116	1,207	0	384	1,752
9	NY U.	276,198	33,816	1	339	3,645	1,711	467	696	263	26,694
10	U. FL	530,734	33,487	1,681	3,888	3,901	2,465	74	0	103	21,375
11	MI State U.	333,735	28,072	2,892	1,866	17,029	1,833	0	125	134	4,193
12	Northwestern U.	387,242	26,284	16,509	1,162	4,350	976	2,770	0	517	0
13	U. Southern CA	445,036	25,068	1,152	4,341	4,586	4,434	1,540	4,610	4,405	0
14	U. IL Urbana-Champaign	499,711	24,969	1,316	2,512	9,372	2,277	449	6,981	994	1,068
15	Brown U.	138,262	24,657	11	7,580	2,524	10,626	0	0	2,249	1,667
16	U. MD College Park	338,648	23,813	1,983	1,149	10,160	10,521	0	0	0	0
17	George Washington U.	107,715	22,690	95	1	20,734	866	994	0	0	0
18	U. PA	654,982	22,404	2,893	1,848	13,876	488	305	2,994	0	0
19	U. GA	316,806	20,661	115	677	12,276	2,341	1,480	0	3,772	0
20	Wichita State U.	32,726	20,456	1,420	228	11,430	12	672	6,679	15	0
21	Southern IL U. Edwardsville	20,883	19,031	1,134	137	16,070	112	0	171	384	1,023
22	U. Central FL	102,702	18,997	7,894	0	9,554	30	622	0	6	891
23	U. Memphis, The	49,961	18,544	5,117	604	7,536	2,623	452	0	2,163	49
24	U. KS all campuses	190,105	18,180	289	111	15,031	1,476	17	980	276	0
25	U. South FL	259,218	17,391	5,891	2,623	2,742	1,691	0	2,485	1,787	172
26	MA Institute of Technology	580,742	16,265	9,498	24	4,799	718	0	0	95	1,131
27	San Jose State U.	32,886	15,738	3,952	9	4,017	456	0	1,430	174	5,700
28	VA Commonwealth U.	146,105	15,696	491	25	7,536	169	0	326	0	7,149
29	George Mason U.	42,630	14,743	1,516	206	2,012	1,216	9,730	54	0	9
30	Johns Hopkins U., The	1,443,792	14,634	0	0	0	14,634	0	0	0	0
31	TX A&M U. all campuses	479,735	14,527	3,597	267	8,910	1,412	339	0	2	0
32	U. NE all campuses	333,126	14,291	2,633	492	2,755	5,951	2,027	11	173	249
33	Rutgers, The State U. NJ all campuses	309,531	14,072	97	2,393	7,477	517	52	2,810	42	684
34	U. MO-Columbia	220,718	13,616	204	1,902	3,659	855	72	395	19	6,510
35	U. KY all campuses	306,653	13,247	2,558	2,310	3,876	575	44	259	418	3,207

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
36	Stanford U.	714,897	13,147	409	713	11,617	142	266	0	0	0
37	U. MN all campuses	548,873	12,822	178	446	6,097	1,360	880	1,239	382	2,240
38	CA State U. Northridge	8,767	12,499	4,576	49	6,407	0	0	0	0	1,467
39	PA State U. all campuses	625,764	12,147	5,648	1,471	2,953	1,255	261	0	559	0
40	U. Louisville	128,347	11,595	622	122	2,640	114	174	1,154	76	6,693
41	GA State U.	50,262	11,389	1,865	141	3,817	741	845	1,178	200	2,602
42	U. NC Greensboro	4,843	11,173	0	0	10,543	627	0	0	3	0
43	U. TX El Paso	26,825	11,160	7	811	8,720	1,009	0	0	3	610
44	FL International U.	76,678	11,042	1,302	2,302	2,675	1,255	567	2,822	119	0
45	AZ State U. main campus	166,923	10,503	335	106	2,738	1,822	395	0	2,180	2,927
46	Princeton U.	202,380	10,343	0	0	782	9,016	0	0	517	28
47	CA State U. San Bernardino	8,905	10,307	991	96	0	39	13	1,460	598	7,110
48	U. WI Milwaukee	32,748	10,226	2,621	437	4,511	1,241	0	486	27	903
49	U. Cincinnati all campuses	286,036	10,077	1,154	104	2,397	2,512	0	198	3,712	0
50	Old Dominion U.	47,006	9,950	2,415	8	5,460	1,409	0	0	432	226
51	U. AR main campus	98,138	9,836	841	35	3,976	2,192	883	408	202	1,299
52	San Diego State U.	73,887	9,712	2,308	110	2,927	2,151	0	1,377	595	244
53	Polytechnic U.	15,295	9,550	0	0	9,000	550	0	0	0	0
54	U. MS all campuses	91,913	9,437	11	0	297	621	1,191	0	1	7,316
55	IN U. all campuses	307,137	9,341	189	1,153	5,012	104	153	186	311	2,233
56	U. West FL	9,712	9,317	5,912	263	3,130	0	0	0	0	12
57	FL Gulf Coast U.	2,678	8,982	796	2,244	4,662	0	0	102	0	1,178
58	CA State U. Bakersfield	6,268	8,922	65	0	7,013	81	0	1,763	0	0
59	U. IA	334,144	8,899	1,116	297	2,935	1,461	3,019	0	71	0
60	U. OK all campuses	173,663	8,773	250	0	3,546	237	132	0	203	4,405
61	MT State U. Bozeman	109,465	8,723	0	964	2,096	51	0	380	18	5,214
62	Central WA U.	1,893	8,490	0	0	980	123	0	0	0	7,387
63	U. OR	52,657	8,401	0	11	7,906	424	60	0	0	0
64	CO State U.	236,211	8,092	1,058	818	1,555	79	0	0	40	4,542
65	SUNY Buffalo all campuses	267,271	8,063	533	405	3,970	415	220	522	1	1,997
66	Stevens Institute of Technology	22,997	8,062	597	0	7,465	0	0	0	0	0
67	U. SC all campuses	122,212	7,987	664	154	1,595	536	21	4,398	619	0
68	C. of William and Mary all campuses	50,146	7,721	172	2	6,185	765	579	0	18	0
69	Fayetteville State U.	821	7,688	0	0	7,678	0	0	0	10	0
70	U. NH	108,378	7,598	1,583	0	5,216	445	0	171	0	183

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
71	U. LA Lafayette	44,620	7,519	1,642	543	3,011	1,485	0	74	763	1
72	Western IL U.	1,190	7,500	500	0	7,000	0	0	0	0	0
73	Western MI U.	17,518	7,283	54	122	6,975	17	0	0	12	103
74	U. Houston	80,731	7,205	355	0	5,337	782	646	40	0	45
75	U. HI Hilo	9,596	7,057	0	0	7,028	0	0	0	10	19
76	U. NC Chapel Hill	441,033	6,951	1,066	1,610	1,530	2,493	0	0	252	0
77	Seton Hall U.	3,418	6,713	0	0	4,145	2,045	417	0	0	106
78	Vanderbilt U.	350,433	6,708	33	966	5,206	325	12	0	0	166
79	St. John's U. (Jamaica, NY)	1,702	6,671	0	19	6,585	32	1	34	0	0
80	U. MA Amherst	127,487	6,610	829	0	5,279	309	134	0	59	0
81	Cleveland State U.	15,884	6,531	349	85	5,588	403	0	88	10	8
82	Northeastern U.	63,514	6,487	43	229	2,799	704	1,035	1,677	0	0
83	IA State U.	209,545	6,303	1,124	0	3,304	204	0	0	16	1,655
84	CA State U. Dominguez Hills	3,088	6,233	250	99	5,867	12	0	0	5	0
85	U. CO all campuses	517,067	6,174	1,571	302	3,640	1	0	62	13	585
86	U. VA all campuses	239,061	5,745	44	79	4,258	1,282	12	0	2	68
87	Fairfield U.	1,897	5,714	1,295	101	65	1,568	0	0	376	2,309
88	Tufts U.	131,028	5,574	0	458	883	2,407	714	0	132	980
89	Drexel U.	88,049	5,274	111	155	299	64	0	0	621	4,024
90	Wellesley C.	4,252	5,173	1,459	41	0	12	0	0	55	3,606
91	Clemson U.	175,127	5,135	210	0	3,268	282	0	0	115	1,260
92	Northeastern IL U.	227	5,036	0	44	4,466	12	0	433	57	24
93	Tulane U.	138,959	4,940	2,502	0	15	890	1,368	10	108	47
94	LA State U. all campuses	356,828	4,908	424	294	638	1,683	953	45	204	667
95	SUNY Albany	259,708	4,873	0	0	4,719	154	0	0	0	0
96	U. Denver	11,716	4,810	0	74	460	79	3,595	602	0	0
97	MS State U.	179,825	4,787	628	121	2,533	865	0	0	95	545
98	U. Baltimore	7,754	4,689	0	0	577	0	428	0	0	3,684
99	Boston U.	246,520	4,678	1,082	0	433	968	0	1,896	4	295
100	Wayne State U.	226,331	4,669	362	30	851	1,379	15	710	26	1,296
101	Gallaudet U.	2,202	4,577	0	0	4,577	0	0	0	0	0
102	U. of Notre Dame	71,266	4,300	642	26	0	1,348	129	0	62	2,093
103	U. NC Charlotte	16,042	4,265	55	0	2,437	71	0	930	10	762
104	NJ City U.	720	4,213	0	0	4,133	0	0	0	0	80
105	U. IL Chicago	318,279	4,189	780	109	2,401	759	0	0	140	0



TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
106	U. North TX	12,617	4,182	1,292	817	1,505	229	0	0	339	0
107	U. NM all campuses	178,703	4,168	48	1,431	2,069	166	234	11	209	0
108	Kent State U. all campuses	11,045	4,112	0	1,524	1,000	213	58	0	0	1,317
109	NM Highlands U.	1,202	4,111	0	0	4,100	0	0	11	0	0
110	CUNY Hunter C.	33,024	4,051	0	175	2,131	652	0	864	229	0
111	CUNY Graduate Ctr.	5,943	3,975	0	0	1,436	720	0	0	0	1,819
112	SUNY C. Plattsburgh	1,823	3,931	335	12	1,938	15	0	148	0	1,483
113	Washington U. St. Louis	531,846	3,796	1,488	0	2,034	129	145	0	0	0
114	St. Cloud State U.	2,657	3,610	0	445	2,473	265	0	427	0	0
115	Temple U.	83,062	3,584	109	0	1,101	162	1,613	590	0	9
116	Northern IL U.	11,239	3,548	0	92	3,187	30	0	239	0	0
117	U. MO-Kansas City	30,780	3,502	1,832	23	84	219	7	157	69	1,111
118	Emory U.	333,665	3,489	0	0	139	1,313	2,037	0	0	0
119	John Carroll U.	506	3,474	0	0	3,474	0	0	0	0	0
120	KS State U.	123,398	3,428	0	307	1,498	252	0	80	17	1,274
121	Claremont Graduate U.	2,677	3,391	776	0	1,411	569	0	0	0	635
122	U. Pittsburgh all campuses	510,943	3,364	106	0	3,233	0	0	0	0	25
123	Georgetown U.	123,938	3,350	19	40	535	2,366	390	0	0	0
124	CA State U. Fullerton	4,167	3,348	1,650	8	1,074	34	0	429	23	130
125	Wabash C.	464	3,263	178	1	2,886	198	0	0	0	0
126	West Chester U. PA	457	3,244	150	0	2,519	262	0	0	313	0
127	Rochester Institute of Technology	21,068	3,241	52	0	3,127	61	0	1	0	0
128	GA Southern U.	2,078	3,223	121	0	2,858	4	0	203	0	37
129	U. CT all campuses	219,982	3,210	547	201	956	515	45	817	125	4
130	St. Joseph's U.	3,195	3,199	2,590	0	600	9	0	0	0	0
131	Brigham Young U. all campuses	23,961	3,029	455	61	720	1,704	6	12	71	0
132	U. Rochester	345,337	2,941	52	190	2,214	53	0	0	432	0
133	Rowan U.	4,944	2,937	24	61	2,753	41	0	0	38	20
134	Naval Postgraduate School	51,343	2,890	2,836	0	54	0	0	0	0	0
135	Ball State U.	8,490	2,880	573	23	2,021	127	0	0	8	128
136	U. Chicago	293,970	2,847	989	0	0	266	0	1,429	0	163
137	LA Tech U.	15,832	2,780	1,993	16	189	308	0	0	274	0
138	U. Dayton	67,445	2,733	82	0	1,937	714	0	0	0	0
139	U. AL Huntsville, The	54,601	2,729	1,811	4	17	31	0	0	5	861
140	U. TN all campuses	255,699	2,672	132	0	166	719	0	1,313	17	325

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields	
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts		
141	Teachers C. Columbia U.	10,669	2,627	0	0	2,627	0	0	0	0	0	0
142	WA State U.	182,677	2,605	4	127	2,332	118	0	0	24	0	0
143	Southern Methodist U.	11,839	2,600	135	0	2,169	158	0	0	0	138	0
144	UT State U.	131,624	2,599	26	0	2,201	372	0	0	0	0	0
145	Black Hills State U.	1,566	2,590	156	12	2,333	13	0	72	4	0	0
146	IL Institute of Technology	25,498	2,583	27	0	1,167	93	1,296	0	0	0	0
147	VA Polytechnic Institute and State U.	289,994	2,525	418	107	1,142	56	1	0	649	152	0
148	Lehigh U.	36,709	2,511	2	8	1,882	16	0	0	1	602	0
149	U. MO-Rolla	38,337	2,495	1,042	15	0	2	0	0	0	1,436	0
150	Western WA U.	4,711	2,328	795	0	514	452	0	567	0	0	0
151	Brandeis U.	54,136	2,299	0	0	1,960	0	164	0	175	0	0
152	Southern OR U.	1,015	2,286	69	728	1,038	54	0	206	191	0	0
153	U. DE	110,339	2,252	243	0	1,854	83	0	0	0	72	0
154	U. North FL	3,448	2,188	13	0	2,168	7	0	0	0	0	0
155	Boston C.	31,588	2,144	166	0	1,512	241	140	0	85	0	0
156	U. ID	91,009	2,118	118	0	1,239	16	0	0	0	745	0
157	FL A&M U.	26,400	2,106	0	186	1,920	0	0	0	0	0	0
158	TX A&M U. Corpus Christi	8,845	2,080	53	0	1,928	45	0	0	0	54	0
159	Duquesne U.	8,096	2,076	912	46	551	0	161	0	406	0	0
160	Baylor U.	6,364	2,051	141	4	10	68	0	1,000	0	828	0
161	Cornell U. all campuses	606,804	2,007	584	4	0	1,091	16	0	0	312	0
162	U. MO-St. Louis	12,056	1,966	413	0	870	223	0	146	24	290	0
163	Carnegie Mellon U.	200,297	1,947	0	0	0	811	0	0	1,136	0	0
164	Clark U.	4,480	1,930	3	0	1,927	0	0	0	0	0	0
165	Shaw U.	1,864	1,895	0	109	1,715	71	0	0	0	0	0
166	U. MA Lowell	23,852	1,893	6	0	571	0	289	0	9	1,018	0
167	IL State U.	5,203	1,876	0	0	597	65	0	220	0	994	0
168	WV U.	115,398	1,876	0	136	238	917	6	64	18	497	0
169	Southern CT State U.	2,671	1,857	0	0	1,544	1	0	310	0	2	0
170	CUNY Baruch C.	896	1,795	2	4	0	227	0	0	0	1,562	0
171	Fordham U.	3,413	1,785	25	0	1,515	0	199	46	0	0	0
172	U. TX-Pan American	4,038	1,778	198	0	835	598	147	0	0	0	0
173	Rose-Hulman Institute of Technology	4,914	1,742	0	0	1,742	0	0	0	0	0	0
174	U. NV, Reno	95,579	1,727	542	103	548	534	0	0	0	0	0
175	Tarleton State U.	8,512	1,723	0	0	75	10	0	0	0	1,638	0

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
176	GA Institute of Technology all campuses	425,386	1,681	0	0	0	333	0	0	0	1,348
177	U. MA Dartmouth	19,452	1,681	264	6	1,112	291	0	0	8	0
178	Pace U. all campuses	1,053	1,669	435	0	7	469	342	0	0	416
179	U. AZ	530,233	1,665	1,136	81	44	24	3	8	369	0
180	TX State U. San Marcos	7,261	1,635	109	0	916	122	260	0	0	228
181	TX Christian U.	4,216	1,633	18	23	1,351	27	0	11	193	10
182	U. Miami	209,572	1,629	0	0	1,617	12	0	0	0	0
183	Duke U.	630,752	1,606	13	0	531	630	281	38	0	113
184	U. Northern IA	1,353	1,509	0	0	1,385	0	0	119	0	5
185	C. Charleston	4,433	1,458	280	35	316	773	0	0	54	0
186	Dickinson C.	1,163	1,452	87	0	65	1,300	0	0	0	0
187	U. UT	244,691	1,441	668	0	318	354	8	0	93	0
188	Auburn U. all campuses	132,203	1,440	820	0	249	371	0	0	0	0
189	Smith C.	2,749	1,391	288	292	317	325	0	138	27	4
190	TX Tech U.	56,623	1,375	0	0	1,221	118	36	0	0	0
191	OH U. all campuses	43,229	1,364	336	97	427	107	0	234	163	0
192	Loyola U. Chicago	40,551	1,325	295	3	893	38	24	72	0	0
193	Bryn Mawr C.	4,400	1,317	0	0	82	902	0	266	67	0
194	Embry-Riddle Aeronautical U.	13,325	1,304	261	0	1,043	0	0	0	0	0
195	U. AL Birmingham, The	318,536	1,304	643	0	647	14	0	0	0	0
196	U. PR Mayaguez Campus	20,492	1,300	0	0	1,300	0	0	0	0	0
197	Marshall U.	22,321	1,285	354	0	804	127	0	0	0	0
198	U. MA Boston	18,148	1,270	0	0	263	25	0	970	12	0
199	Catholic U. America, The	21,489	1,265	0	8	637	149	218	103	0	150
200	Drake U.	901	1,244	18	0	593	0	628	0	4	1
201	Pacific U.	421	1,242	0	0	457	257	0	0	0	528
202	U. NV, Las Vegas	48,343	1,221	0	46	661	514	0	0	0	0
203	Tuskegee U.	10,966	1,202	0	0	1,202	0	0	0	0	0
204	U. WI La Crosse	2,312	1,197	949	3	1	6	0	0	3	235
205	Yale U.	431,618	1,188	0	0	0	776	412	0	0	0
206	U. Redlands	1,413	1,178	0	1	1,160	0	0	0	0	17
207	U. TX San Antonio	22,429	1,177	365	0	785	0	0	0	27	0
208	MI Technological U.	40,188	1,149	659	0	55	375	0	0	60	0
209	U. of the Pacific	3,750	1,146	381	256	17	96	262	10	124	0
210	Northeastern State U.	786	1,143	18	0	430	0	195	300	0	200

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
211	Eastern MI U.	5,910	1,110	33	0	294	449	0	230	0	104
212	U. MT, The	54,685	1,110	203	286	584	31	0	0	6	0
213	West TX A&M U.	3,463	1,110	659	8	370	64	0	0	0	9
214	U. AK Fairbanks all campuses	139,488	1,106	0	0	797	309	0	0	0	0
215	MT Tech of the U. MT	5,947	1,053	6	0	774	0	0	0	0	273
216	Calvin C.	1,857	1,030	0	185	101	611	0	0	133	0
217	U. Northern CO	2,269	1,030	20	11	999	0	0	0	0	0
218	NM State U. all campuses	125,427	1,023	766	190	36	12	0	0	19	0
219	U. Akron all campuses	26,888	1,009	0	2	878	95	14	0	20	0
220	CA State U. Long Beach	9,594	978	0	0	868	10	0	99	1	0
221	Hamilton C. (Clinton, NY)	1,742	935	0	6	303	294	0	326	6	0
222	U. IL Springfield	1,208	920	125	0	374	308	0	113	0	0
223	U. Tulsa	12,740	900	79	31	243	250	285	0	12	0
224	U. PR Rio Piedras Campus	20,546	886	0	0	356	311	192	0	0	27
225	Amherst C.	2,725	885	0	15	0	426	0	306	112	26
226	U. Southern MS	37,881	885	77	0	754	19	0	35	0	0
227	Case Western Reserve U.	323,618	884	573	0	33	100	128	50	0	0
228	CUNY The City C.	27,471	834	0	0	644	56	0	0	0	134
229	Eastern KY U.	486	828	39	0	56	0	733	0	0	0
230	U. NC Wilmington	20,617	814	12	0	527	15	0	255	0	5
231	Simmons C.	433	797	0	289	0	0	0	508	0	0
232	Bowling Green State U. all campuses	9,746	796	55	73	631	15	0	0	5	17
233	Macalester C.	2,081	776	0	0	22	590	0	0	164	0
234	CUNY Queens C.	6,876	752	1	0	485	178	0	0	0	88
235	U. ME	75,066	749	3	51	245	449	0	1	0	0
236	Stephen F. Austin State U.	4,144	686	14	4	565	98	0	3	2	0
237	Swarthmore C.	1,992	684	0	0	0	684	0	0	0	0
238	U.S. Air Force Academy	29,438	677	386	0	9	141	42	0	0	99
239	Manhattan C.	505	672	0	0	672	0	0	0	0	0
240	Rice U.	63,102	667	147	41	22	457	0	0	0	0
241	CA State U. Los Angeles	10,130	653	24	0	435	125	0	3	0	66
242	Roanoke C.	518	651	0	181	51	294	0	0	24	101
243	U. Toledo	32,351	651	321	40	234	4	3	0	37	12
244	U. AR Pine Bluff	6,685	645	84	0	561	0	0	0	0	0
245	Nicholls State U.	1,475	643	0	0	637	6	0	0	0	0

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
246	U. Houston-Clear Lake	743	640	182	0	9	2	0	0	0	447
247	U. MD Baltimore County	58,467	638	0	0	216	173	0	197	52	0
248	Roger Williams U. Bristol	849	630	0	0	380	0	250	0	0	0
249	U. Richmond	2,097	619	20	225	76	207	45	0	46	0
250	Fisk U.	6,000	600	0	0	500	0	0	0	100	0
251	TN State U.	14,669	594	3	0	591	0	0	0	0	0
252	U. NC Asheville	3,021	591	0	81	153	0	0	0	0	357
253	U. VT	115,693	586	69	0	475	42	0	0	0	0
254	Morehouse C.	3,559	553	100	317	42	94	0	0	0	0
255	U. WI Oshkosh	1,067	527	165	0	260	18	0	0	0	84
256	Indiana U. PA all campuses	684	517	6	98	81	65	0	0	8	259
257	Wake Forest U.	185,152	516	215	121	86	35	31	0	28	0
258	Lewis and Clark C.	479	510	0	0	14	34	462	0	0	0
259	Wesleyan U.	8,036	500	0	52	40	355	0	0	53	0
260	TX A&M U. Kingsville	13,389	499	0	0	182	0	0	0	0	317
261	DE State U.	5,412	497	203	0	4	0	0	23	36	231
262	Eastern WA U.	1,711	497	45	0	245	0	0	182	0	25
263	DePaul U.	4,321	496	35	0	39	335	87	0	0	0
264	State U. West GA	1,327	490	50	15	400	25	0	0	0	0
265	Andrews U.	533	474	0	0	154	306	0	14	0	0
266	Middle TN State U.	2,166	467	52	91	0	264	3	4	41	12
267	Grambling State U.	1,784	465	0	0	452	1	0	0	12	0
268	TX A&M U. Commerce	608	448	4	0	434	9	0	1	0	0
269	TX Southern U.	4,641	448	0	0	0	0	0	0	0	448
270	TN Technological U.	9,312	440	3	0	391	23	0	0	0	23
271	ID State U.	19,700	437	314	16	54	48	0	1	4	0
272	Providence C.	346	436	0	0	414	0	0	22	0	0
273	CUNY Brooklyn C.	3,731	435	11	0	89	276	14	0	45	0
274	Portland State U.	28,940	431	0	2	381	27	0	8	13	0
275	SUNY C. Cortland	563	428	0	0	427	1	0	0	0	0
276	Air Force Institute of Technology	14,666	425	425	0	0	0	0	0	0	0
277	Grand Valley State U.	3,354	422	4	3	386	7	0	2	7	13
278	Willamette U.	154	419	11	0	196	18	194	0	0	0
279	FL Atlantic U.	27,388	409	55	0	107	138	0	65	44	0
280	SUNY Stony Brook all campuses	212,289	409	234	0	173	2	0	0	0	0

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
281	OR Institute of Technology	3,018	403	78	79	246	0	0	0	0	0
282	Carleton C.	3,365	398	0	0	0	398	0	0	0	0
283	Appalachian State U.	1,076	386	5	0	345	16	0	0	20	0
284	CUNY John Jay C. of Criminal Justice	932	385	0	0	11	46	195	39	6	88
285	Mt. Holyoke C.	3,179	384	0	117	134	106	0	0	27	0
286	U. Portland	477	383	90	34	250	0	0	9	0	0
287	FL Institute of Technology	7,539	381	308	0	8	0	0	0	0	65
288	San Francisco State U.	23,655	353	2	0	233	89	0	0	29	0
289	Rensselaer Polytechnic Institute	65,571	350	137	197	16	0	0	0	0	0
290	SD State U.	32,042	347	0	347	0	0	0	0	0	0
291	U. WI Whitewater	305	331	322	0	1	2	0	0	0	6
292	Southern IL U. Carbondale	57,434	326	0	15	0	287	0	4	20	0
293	Central MI U.	4,938	325	52	0	50	0	0	0	0	223
294	East Carolina U.	14,240	323	0	0	168	4	0	0	0	151
295	Loyola C.	1,729	318	0	0	312	0	0	6	0	0
296	CA State U. Chico	2,620	313	0	27	0	72	0	0	0	214
297	Alfred U. all campuses	8,239	312	0	0	0	0	312	0	0	0
298	Sinte Gleska U.	732	310	0	0	250	0	0	0	0	60
299	Howard U.	41,609	304	0	17	130	0	0	133	5	19
300	U. WY	83,449	293	0	0	32	24	0	0	17	220
301	Loyola Marymount U.	621	290	61	37	64	54	0	19	45	10
302	CA State Polytechnic U. San Luis Obispo	11,235	280	76	4	200	0	0	0	0	0
303	Prairie View A&M U.	11,810	279	2	0	223	1	53	0	0	0
304	Marquette U.	10,338	278	2	47	54	5	14	0	0	156
305	Pomona C.	2,153	277	0	0	0	248	0	0	28	1
306	East TN State U.	8,098	252	203	11	20	8	0	0	10	0
307	Augsburg C.	606	247	0	0	247	0	0	0	0	0
308	SUNY C. Geneseo	951	242	12	3	41	174	0	0	12	0
309	U. AL, The	34,531	239	0	8	27	17	19	136	18	14
310	U. San Diego	1,683	239	61	6	54	0	0	118	0	0
311	Governors State U.	237	238	13	0	225	0	0	0	0	0
312	U. SD	18,681	238	0	0	191	14	33	0	0	0
313	ND State U. all campuses	103,011	237	3	77	127	30	0	0	0	0
314	Kennesaw State U.	477	236	47	0	61	22	0	106	0	0
315	Saginaw Valley State U.	350	227	0	0	40	6	0	0	1	180

TABLE 68. R&D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
316	U. ND all campuses	46,798	226	17	21	43	130	0	15	0	0
317	Western KY U.	6,607	226	0	0	93	133	0	0	0	0
318	U.S. Naval Academy	6,623	224	0	0	0	224	0	0	0	0
319	Colby C.	1,241	215	0	7	3	184	0	0	21	0
320	Bates C.	1,077	205	0	0	0	205	0	0	0	0
321	U. WI Green Bay	1,416	199	183	0	6	5	0	5	0	0
322	Franklin & Marshall C.	2,225	198	3	0	0	141	0	0	54	0
323	U. of St. Thomas (St. Paul, MN)	324	192	1	31	36	123	0	0	1	0
324	U. TX Arlington	28,971	184	0	0	68	103	0	0	0	13
325	U. WI Stout	415	179	7	0	1	0	0	0	0	171
326	Northern AZ U.	22,870	177	6	8	36	94	0	20	11	2
327	VA State U.	5,048	177	11	0	9	6	0	0	8	143
328	U. WI Parkside	577	172	169	2	0	0	0	0	0	1
329	Southwest MO State U.	6,367	171	16	24	60	42	0	0	29	0
330	U. San Francisco	1,082	163	10	0	8	132	5	0	5	3
331	Coastal Carolina U.	656	162	123	0	0	39	0	0	0	0
332	Hampton U.	42,969	155	0	0	0	0	0	0	0	155
333	Lake Forest C.	242	153	14	0	19	35	0	0	0	85
334	Northern KY U.	1,368	151	12	13	32	60	0	7	16	11
335	SUNY Binghamton	25,769	150	0	0	0	0	0	0	0	150
336	Oakland U.	6,505	149	102	41	0	0	0	0	0	6
337	Bowie State U.	2,033	141	0	0	141	0	0	0	0	0
338	CUNY Medgar Evers C.	707	135	10	0	0	0	124	1	0	0
339	American U.	1,542	129	10	25	0	94	0	0	0	0
340	U. Houston-Downtown	329	124	0	0	37	0	0	0	0	87
341	U. Puget Sound	319	122	0	6	0	113	0	0	3	0
342	IN State U. all campuses	1,473	121	0	0	13	107	0	0	0	1
343	Lawrence Technological U.	917	116	0	0	114	0	0	0	0	2
344	Harvey Mudd C.	1,738	114	NA	NA	NA	NA	NA	NA	NA	NA
345	Central CT State U.	812	109	0	0	18	91	0	0	0	0
346	Lafayette C.	1,610	108	88	3	0	12	0	0	5	0
347	Sam Houston State U.	1,258	107	4	0	9	0	16	3	0	75
348	CUNY C. Staten Island	2,577	105	3	12	10	69	0	11	0	0
349	Spelman C.	2,759	103	0	0	0	103	0	0	0	0
350	Bridgewater State C.	230	99	8	12	29	38	0	0	4	8

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
351	U. WI Eau Claire	1,146	99	97	0	1	1	0	0	0	0
352	TX A&M International U.	155	95	5	0	67	17	0	0	0	6
353	Augustana C. (Rock Island, IL)	300	91	0	0	0	0	0	0	0	91
354	Barnard C.	3,068	91	0	0	2	89	0	0	0	0
355	CUNY Herbert H. Lehman C.	4,019	90	0	0	46	44	0	0	0	0
356	Gettysburg C.	688	88	5	9	5	40	0	0	29	0
357	Wright State U. all campuses	40,328	81	4	0	22	55	0	0	0	0
358	VA Military Institute	662	76	0	15	12	49	0	0	0	0
359	Hendrix C.	550	74	0	0	0	74	0	0	0	0
360	Bowdoin C.	2,254	72	0	0	0	52	12	0	8	0
361	U. WI Stevens Point	1,926	68	35	2	6	25	0	0	0	0
362	McNeese State U.	614	67	51	0	14	1	0	0	1	0
363	Loyola U. New Orleans	567	64	0	6	2	42	0	0	14	0
364	Washington and Lee U.	501	64	16	0	0	48	0	0	0	0
365	Kalamazoo C.	422	62	0	0	0	41	0	0	21	0
366	U. TX Tyler	440	62	14	0	40	8	0	0	0	0
367	Rhodes C.	286	59	0	0	1	50	0	0	8	0
368	SUNY Fredonia	175	59	0	0	59	0	0	0	0	0
369	NC Agricultural and Technical State U.	22,936	57	0	0	57	0	0	0	0	0
370	U. Scranton	1,369	57	0	0	41	16	0	0	0	0
371	Worcester Polytechnic Institute	14,679	57	0	0	57	0	0	0	0	0
372	KY State U.	3,044	56	0	0	56	0	0	0	0	0
373	TX Woman's U.	1,871	56	2	0	15	1	0	1	2	35
374	New C. FL	259	55	0	0	0	48	0	0	7	0
375	IL Wesleyan U.	322	54	3	3	7	26	0	0	15	0
376	Grinnell C.	1,079	52	0	0	0	41	0	0	11	0
377	Bucknell U.	1,820	49	14	0	0	19	0	0	8	8
378	SUNY C. Old Westbury	1,565	47	0	0	0	0	0	0	0	47
379	Kansas City U. of Medicine and Biosciences	944	43	0	0	43	0	0	0	0	0
380	Abilene Christian U.	233	40	7	3	4	26	0	0	0	0
381	CUNY York C.	1,513	39	0	0	0	19	0	3	0	17
382	OK State U. all campuses	99,436	38	0	0	0	38	0	0	0	0
383	Gustavus Adolphus C.	487	36	0	3	1	24	0	0	8	0
384	AR State U. main campus	4,035	35	23	0	10	2	0	0	0	0
385	CA State U. East Bay	3,259	33	0	0	8	0	0	25	0	0



TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
386	Clark Atlanta U.	12,790	33	0	0	2	0	0	14	0	17
387	Ithaca C.	1,814	33	0	20	0	13	0	0	0	0
388	Trinity U.	1,386	32	0	0	0	32	0	0	0	0
389	Wiley C.	181	30	0	0	0	0	0	0	0	30
390	Southeastern LA U.	1,714	29	0	0	29	0	0	0	0	0
391	Trinity C. (Hartford, CT)	1,215	29	0	0	6	19	0	0	4	0
392	Norfolk State U.	6,758	28	0	0	0	10	0	18	0	0
393	Western Carolina U.	1,516	27	NA	NA	NA	NA	NA	NA	NA	NA
394	Allegheny C.	751	26	0	2	0	19	0	0	5	0
395	Pittsburg State U.	2,522	25	0	0	25	0	0	0	0	0
396	Murray State U.	3,506	23	1	0	1	7	0	0	11	3
397	CA State U. Fresno	13,498	22	0	0	0	22	0	0	0	0
398	James Madison U.	5,009	22	11	7	4	0	0	0	0	0
399	Jacksonville State U.	1,089	21	0	0	0	0	21	0	0	0
400	Heritage U. (Toppenish, WA)	266	19	0	0	19	0	0	0	0	0
401	Elizabeth City State U.	929	18	0	0	0	0	18	0	0	0
402	MN State U. Mankato	549	18	0	0	0	18	0	0	0	0
403	Sonoma State U.	650	16	0	0	0	16	0	0	0	0
404	U. WI Superior	1,140	14	0	0	14	0	0	0	0	0
405	Dartmouth C.	179,094	13	0	1	0	0	0	0	12	0
406	Morehead State U.	2,254	12	0	0	0	11	0	0	0	1
407	U. PR Humacao U. C.	3,540	11	0	0	0	11	0	0	0	0
408	Southeast MO State U.	223	9	0	0	2	0	0	0	1	6
409	Pitzer C.	205	8	0	0	0	8	0	0	0	0
410	U. WI River Falls	345	8	0	0	0	4	0	1	3	0
411	Bradley U.	1,606	7	0	0	0	2	0	0	5	0
412	Boise State U.	9,162	6	0	0	0	0	0	0	6	0
413	C. of the Holy Cross	505	6	0	0	0	6	0	0	0	0
414	Towson U.	2,041	5	5	0	0	0	0	0	0	0
415	U. New Haven	314	5	0	0	5	0	0	0	0	0
416	Fitchburg State C.	161	4	0	0	4	0	0	0	0	0
417	Youngstown State U.	1,382	4	0	0	1	1	0	0	2	0
	AL A&M U.	16,075	0	0	0	0	0	0	0	0	0
	AL State U.	1,900	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	2,565	0	0	0	0	0	0	0	0	0

TABLE 68. R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Albany Medical C.	15,465	0	0	0	0	0	0	0	0	0
	Alcorn State U.	6,256	0	0	0	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	1,206	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	644	0	0	0	0	0	0	0	0	0
	Baylor C. of Medicine	458,694	0	0	0	0	0	0	0	0	0
	Benedict C.	1,494	0	0	0	0	0	0	0	0	0
	Bluefield State C.	359	0	0	0	0	0	0	0	0	0
	CA Institute of Technology	265,364	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. Pomona	2,765	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	4,045	0	0	0	0	0	0	0	0	0
	Chapman U.	839	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	43,231	0	0	0	0	0	0	0	0	0
	Chicago State U.	1,832	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	1,941	0	0	0	0	0	0	0	0	0
	Clafflin U.	222	0	0	0	0	0	0	0	0	0
	CO School of Mines	26,499	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	663	0	0	0	0	0	0	0	0	0
	Cooper Union	173	0	0	0	0	0	0	0	0	0
	Desert Research Institute	34,570	0	0	0	0	0	0	0	0	0
	Eastern VA Medical School	33,721	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	519	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	2,497	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	1,174	0	0	0	0	0	0	0	0	0
	Furman U.	1,477	0	0	0	0	0	0	0	0	0
	Hampshire C.	2,723	0	0	0	0	0	0	0	0	0
	Haverford C.	1,259	0	0	0	0	0	0	0	0	0
	Hope C.	2,060	0	0	0	0	0	0	0	0	0
	Jackson State U.	35,876	0	0	0	0	0	0	0	0	0
	Juniata C.	721	0	0	0	0	0	0	0	0	0
	Kettering U.	1,758	0	0	0	0	0	0	0	0	0
	Lamar U.	3,375	0	0	0	0	0	0	0	0	0
	Langston U.	4,371	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	2,656	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	526	0	0	0	0	0	0	0	0	0
	Loma Linda U.	29,898	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 total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Long Island U. all campuses	1,684	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	492	0	0	0	0	0	0	0	0	0
	Mayville State U.	185	0	0	0	0	0	0	0	0	0
	Medical C. GA	67,278	0	0	0	0	0	0	0	0	0
	Medical C. WI	143,540	0	0	0	0	0	0	0	0	0
	Medical U. OH	21,034	0	0	0	0	0	0	0	0	0
	Medical U. SC	176,709	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	29,105	0	0	0	0	0	0	0	0	0
	Mercer U. all campuses	20,042	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	3,204	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	2,628	0	0	0	0	0	0	0	0	0
	MS Valley State U.	606	0	0	0	0	0	0	0	0	0
	Monmouth U.	779	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	30,652	0	0	0	0	0	0	0	0	0
	Morgan State U.	9,544	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	225,293	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	230	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	323	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	1,870	0	0	0	0	0	0	0	0	0
	NJ Institute of Technology	76,920	0	0	0	0	0	0	0	0	0
	New School, The	5,889	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	3,505	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	5,703	0	0	0	0	0	0	0	0	0
	Nova Southeastern U.	5,789	0	0	0	0	0	0	0	0	0
	Oberlin C.	1,059	0	0	0	0	0	0	0	0	0
	Occidental C.	2,109	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	459	0	0	0	0	0	0	0	0	0
	OR Health & Science U.	266,687	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	1,149	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	973	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	261	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	7,840	0	0	0	0	0	0	0	0	0
	Reed C.	1,237	0	0	0	0	0	0	0	0	0
	Rider U.	1,096	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 total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Rockefeller U.	198,719	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	11,920	0	0	0	0	0	0	0	0	0
	Rush U.	83,693	0	0	0	0	0	0	0	0	0
	Savannah State U.	2,421	0	0	0	0	0	0	0	0	0
	Scripps Research Institute, The	338,634	0	0	0	0	0	0	0	0	0
	Seattle U.	764	0	0	0	0	0	0	0	0	0
	Skidmore C.	1,138	0	0	0	0	0	0	0	0	0
	SC State U.	3,796	0	0	0	0	0	0	0	0	0
	SD School of Mines and Technology	13,347	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	485	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	4,981	0	0	0	0	0	0	0	0	0
	St. Louis U. all campuses	47,356	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	459	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	405	0	0	0	0	0	0	0	0	0
	St. Olaf C.	643	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	2,375	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	659	0	0	0	0	0	0	0	0	0
	SUNY C. Buffalo	1,977	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	2,481	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	29,732	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	34,931	0	0	0	0	0	0	0	0	0
	Syracuse U. all campuses	62,020	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	73,162	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	18,697	0	0	0	0	0	0	0	0	0
	Thomas Jefferson U.	107,388	0	0	0	0	0	0	0	0	0
	Truman State U.	524	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	78,694	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	660	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	9,181	0	0	0	0	0	0	0	0	0
	U. AK Anchorage all campuses	13,594	0	0	0	0	0	0	0	0	0
	U. AK Southeast all campuses	639	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	91,516	0	0	0	0	0	0	0	0	0
	U. Central OK	216	0	0	0	0	0	0	0	0	0
	U. Hartford	1,360	0	0	0	0	0	0	0	0	0
	U. LA Monroe	5,524	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 total expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	All S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	U. MD Baltimore	304,396	0	0	0	0	0	0	0	0	0
	U. MD Biotechnology Institute	56,135	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	41,022	0	0	0	0	0	0	0	0	0
	U. MA Worcester	176,349	0	0	0	0	0	0	0	0	0
	U. of Medicine and Dentistry NJ	239,778	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	22,325	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	35,809	0	0	0	0	0	0	0	0	0
	U. South AL	19,431	0	0	0	0	0	0	0	0	0
	U. TX Dallas	43,111	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. Houston	152,631	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	142,375	0	0	0	0	0	0	0	0	0
	U. TX M. D. Anderson Cancer Ctr.	383,780	0	0	0	0	0	0	0	0	0
	U. TX Medical Branch	174,254	0	0	0	0	0	0	0	0	0
	U. TX Southwestern Medical Ctr. Dallas	320,800	0	0	0	0	0	0	0	0	0
	U. DC	4,426	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	704	0	0	0	0	0	0	0	0	0
	U. of the South	349	0	0	0	0	0	0	0	0	0
	U. of the VI	16,735	0	0	0	0	0	0	0	0	0
	U. WA	707,519	0	0	0	0	0	0	0	0	0
	U. WI Platteville	447	0	0	0	0	0	0	0	0	0
	Valparaiso U.	488	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	270	0	0	0	0	0	0	0	0	0
	WV State U.	2,537	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	946	0	0	0	0	0	0	0	0	0
	Whitman C.	595	0	0	0	0	0	0	0	0	0
	Woods Hole Oceanographic Institution	117,517	0	0	0	0	0	0	0	0	0
	Vassar C. <sup>a</sup>	960 i	NA	NA	NA	NA	NA	NA	NA	NA	NA

i = data point imputed.

NA = not available; data were not provided by institution.

S&E = science and engineering.

<sup>a</sup> Vassar College provided only federal non-S&E expenditures in FY 2005.

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 2005.

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
	Institutions reporting non-S&E R&D expenditures	25,778,018	763,678	52,433	26,308	426,218	57,728	26,879	25,525	3,999	144,588
1	Harvard U.	395,906	35,935	0	48	7,222	0	25	0	0	28,640
2	NY U.	191,782	32,483	1	339	3,079	1,565	467	304	96	26,632
3	U. WI Madison	477,582	25,935	1,113	318	22,696	1,327	22	190	0	269
4	U. MD College Park	196,008	18,457	1,511	347	7,633	8,966	0	0	0	0
5	OR State U.	109,030	18,293	0	116	542	23	0	0	0	17,612
6	U. MI all campuses	554,516	16,969	937	42	12,735	239	14	3,002	0	0
7	OH State U. all campuses	294,053	16,202	158	287	13,137	576	1,119	0	9	916
8	U. TX Austin	254,529	15,084	411	812	8,906	45	0	1,694	0	3,216
9	George Washington U.	78,779	15,001	0	0	13,982	626	393	0	0	0
10	Southern IL U. Edwardsville	1,043	14,731	313	49	13,540	0	0	163	302	364
11	Johns Hopkins U., The	1,277,292	14,467	0	0	0	14,467	0	0	0	0
12	FL State U.	105,747	13,854	81	15	12,940	66	111	596	45	0
13	MI State U.	156,461	12,726	752	1,061	9,263	330	0	13	0	1,307
14	Purdue U. all campuses	150,351	12,517	1,448	0	2,722	198	0	0	0	8,149
15	VA Commonwealth U.	97,322	12,410	478	25	6,699	0	0	0	0	5,208
16	U. KS all campuses	110,768	11,503	0	0	11,006	276	0	164	57	0
17	George Mason U.	36,475	11,429	73	205	1,724	286	9,128	9	0	4
18	U. NC Greensboro	3,876	10,649	0	0	10,229	420	0	0	0	0
19	U. PA	465,284	10,561	317	1,748	6,798	288	8	1,402	0	0
20	Wichita State U.	9,589	10,448	333	128	7,287	0	505	2,195	0	0
21	U. MO-Columbia	96,038	8,757	0	1,239	2,834	1	65	0	0	4,618
22	U. TX El Paso	15,378	8,663	0	0	7,834	701	0	0	0	128
23	San Jose State U.	21,160	8,376	2,864	0	3,684	0	0	0	0	1,828
24	U. Southern CA	330,126	8,371	776	1,723	1,784	423	114	2,677	874	0
25	U. KY all campuses	142,794	8,262	706	2,050	3,032	214	0	135	118	2,007
26	Fayetteville State U.	711	7,668	0	0	7,668	0	0	0	0	0
27	FL International U.	51,328	7,390	871	1,541	1,791	839	379	1,889	80	0
28	MT State U. Bozeman	71,604	7,220	0	898	1,771	51	0	380	18	4,102
29	U. OR	43,564	7,056	0	0	6,765	250	41	0	0	0
30	U. IL Urbana-Champaign	289,985	6,957	81	1,150	4,938	102	225	181	0	280
31	U. West FL	8,787	6,927	5,546	4	1,365	0	0	0	0	12
32	TX A&M U. all campuses	212,923	6,744	39	84	6,306	314	0	0	1	0
33	Western MI U.	11,987	6,564	47	114	6,292	8	0	0	0	103
34	U. FL	231,699	6,552	322	354	2,951	463	59	0	0	2,403
35	CA State U. Northridge	5,719	6,316	2,730	49	2,235	0	0	0	0	1,302

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
36	U. NH	78,653	6,114	1,299	0	4,306	300	0	131	0	78
37	U. CO all campuses	449,366	5,767	1,522	64	3,624	1	0	26	13	517
38	MA Institute of Technology	457,235	5,510	1,449	0	2,953	339	0	0	15	754
39	CO State U.	154,245	5,417	653	471	1,092	64	0	0	0	3,137
40	U. HI Hilo	8,998	5,395	0	0	5,395	0	0	0	0	0
41	U. VA all campuses	200,726	5,311	44	79	4,090	1,030	0	0	0	68
42	FL Gulf Coast U.	1,995	5,219	311	116	3,867	0	0	0	0	925
43	U. GA	102,966	5,112	0	61	4,989	0	2	0	60	0
44	Cleveland State U.	7,206	5,038	119	0	4,551	294	0	74	0	0
45	Vanderbilt U.	281,694	4,958	0	924	3,801	160	0	0	0	73
46	C. of William and Mary all campuses	26,898	4,914	24	1	3,939	545	405	0	0	0
47	Western IL U.	446	4,900	200	0	4,700	0	0	0	0	0
48	U. IA	216,354	4,765	127	0	1,882	419	2,337	0	0	0
49	CA State U. Bakersfield	2,040	4,605	0	0	4,529	76	0	0	0	0
50	U. MS all campuses	67,603	4,392	0	0	129	369	354	0	0	3,540
51	U. WI Milwaukee	15,893	4,354	2	27	3,781	73	0	424	0	47
52	Polytechnic U.	8,623	4,306	0	0	4,306	0	0	0	0	0
53	SUNY Albany	103,941	4,270	0	0	4,248	22	0	0	0	0
54	Northwestern U.	244,113	4,166	540	552	3,008	37	2	0	27	0
55	U. Houston	37,262	4,151	183	0	3,584	138	217	0	0	29
56	U. Denver	9,017	4,078	0	0	331	0	3,595	152	0	0
57	Central WA U.	929	3,865	0	0	551	68	0	0	0	3,246
58	GA State U.	25,204	3,666	579	0	1,667	73	0	144	0	1,203
59	Stevens Institute of Technology	18,626	3,448	349	0	3,099	0	0	0	0	0
60	IA State U.	98,005	3,426	338	0	2,147	70	0	0	0	871
61	Kent State U. all campuses	7,619	3,176	0	1,344	736	145	26	0	0	925
62	U. Pittsburgh all campuses	420,281	3,143	104	0	3,014	0	0	0	0	25
63	CA State U. Dominguez Hills	2,051	3,123	250	99	2,774	0	0	0	0	0
64	IN U. all campuses	171,528	3,095	189	708	1,632	0	0	0	62	504
65	SUNY Buffalo all campuses	151,890	3,082	73	311	2,335	14	0	185	0	164
66	U. SC all campuses	65,095	3,012	6	72	771	218	3	1,612	330	0
67	Stanford U.	574,675	2,925	391	0	2,495	39	0	0	0	0
68	U. MN all campuses	319,771	2,910	0	0	2,207	137	17	93	29	427
69	Drexel U.	62,606	2,843	87	121	293	50	0	0	0	2,292
70	GA Southern U.	1,716	2,830	121	0	2,513	4	0	192	0	0

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
71	U. OK all campuses	87,776	2,785	94	0	1,121	0	0	0	0	1,570
72	U. Chicago	245,679	2,763	979	0	0	265	0	1,356	0	163
73	Washington U. St. Louis	400,699	2,665	591	0	1,937	48	89	0	0	0
74	CA State U. Fullerton	3,570	2,658	1,640	0	807	0	0	173	0	38
75	Boston U.	228,842	2,636	669	0	368	486	0	814	4	295
76	Rutgers, The State U. NJ all campuses	137,609	2,630	10	1,115	1,103	295	0	91	16	0
77	Brigham Young U. all campuses	16,878	2,608	452	36	619	1,484	5	12	0	0
78	AZ State U. main campus	94,545	2,518	94	70	1,534	306	341	0	117	56
79	Northern IL U.	7,897	2,476	0	87	2,269	29	0	91	0	0
80	CA State U. San Bernardino	5,775	2,472	318	79	0	39	0	0	23	2,013
81	St. John's U. (Jamaica, NY)	1,372	2,457	0	0	2,457	0	0	0	0	0
82	Fairfield U.	263	2,432	0	0	56	78	0	0	81	2,217
83	Tufts U.	98,200	2,428	0	162	883	1,349	1	0	33	0
84	U. NC Charlotte	10,362	2,378	0	0	2,046	39	0	292	0	1
85	Northeastern U.	36,524	2,223	0	129	714	449	778	153	0	0
86	SUNY C. Plattsburgh	1,351	2,222	240	0	1,463	10	0	0	0	509
87	Georgetown U.	100,328	2,176	15	0	36	2,108	17	0	0	0
88	Naval Postgraduate School	43,079	2,170	2,116	0	54	0	0	0	0	0
89	U. AR main campus	33,496	2,140	271	0	250	784	648	187	0	0
90	CUNY Graduate Ctr.	3,297	2,111	0	0	226	336	0	0	0	1,549
91	U. Memphis, The	15,125	1,989	418	0	1,431	140	0	0	0	0
92	PA State U. all campuses	358,569	1,911	328	1,007	241	320	0	0	15	0
93	U. IL Chicago	198,163	1,891	390	46	1,430	0	0	0	25	0
94	Lehigh U.	21,061	1,871	0	8	1,843	10	0	0	0	10
95	U. NE all campuses	129,216	1,870	79	168	1,189	434	0	0	0	0
96	U. Rochester	257,497	1,862	0	24	1,684	53	0	0	101	0
97	Temple U.	53,987	1,857	0	0	498	0	1,359	0	0	0
98	U. NM all campuses	129,557	1,851	27	133	1,644	35	0	0	12	0
99	U. MA Amherst	66,921	1,847	465	0	1,270	73	21	0	18	0
100	Black Hills State U.	1,445	1,832	0	10	1,750	0	0	72	0	0
101	Ball State U.	5,260	1,797	573	0	1,021	97	0	0	0	106
102	U. ID	47,212	1,791	0	0	1,048	0	0	0	0	743
103	IL Institute of Technology	16,493	1,724	27	0	802	86	809	0	0	0
104	NJ City U.	650	1,676	0	0	1,676	0	0	0	0	0
105	U. DE	74,721	1,642	192	0	1,448	2	0	0	0	0



TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
106	U. CT all campuses	134,347	1,601	420	136	518	107	20	400	0	0
107	U. Central FL	40,013	1,582	430	0	725	13	71	0	6	337
108	Southern Methodist U.	8,415	1,568	0	0	1,536	0	0	0	0	32
109	U. Dayton	58,782	1,502	0	0	1,085	417	0	0	0	0
110	Shaw U.	1,727	1,475	0	0	1,475	0	0	0	0	0
111	St. Cloud State U.	1,017	1,454	0	184	961	0	0	309	0	0
112	TX A&M U. Corpus Christi	4,572	1,399	0	0	1,399	0	0	0	0	0
113	U. AL Huntsville, The	42,358	1,393	1,383	0	9	0	0	0	0	1
114	U. Miami	156,059	1,355	0	0	1,355	0	0	0	0	0
115	Cornell U. all campuses	365,694	1,334	534	0	0	519	16	0	0	265
116	U. AL Birmingham, The	288,434	1,304	643	0	647	14	0	0	0	0
117	U. North FL	1,680	1,304	13	0	1,284	7	0	0	0	0
118	U. MA Lowell	17,608	1,298	0	0	337	0	287	0	0	674
119	West Chester U. PA	337	1,275	0	0	1,160	115	0	0	0	0
120	Pacific U.	47	1,242	0	0	457	257	0	0	0	528
121	U. PR Mayaguez Campus	10,786	1,240	0	0	1,240	0	0	0	0	0
122	KS State U.	58,821	1,227	0	135	171	131	0	29	0	761
123	Embry-Riddle Aeronautical U.	6,642	1,208	165	0	1,043	0	0	0	0	0
124	U. NC Chapel Hill	320,294	1,189	98	723	284	84	0	0	0	0
125	John Carroll U.	345	1,186	0	0	1,186	0	0	0	0	0
126	Rochester Institute of Technology	11,620	1,163	52	0	1,050	61	0	0	0	0
127	U. Redlands	1,237	1,160	0	0	1,160	0	0	0	0	0
128	Rowan U.	3,339	1,144	0	47	1,083	14	0	0	0	0
129	Wayne State U.	120,581	1,133	0	0	21	935	0	113	0	64
130	Tuskegee U.	8,478	1,128	0	0	1,128	0	0	0	0	0
131	U. Louisville	67,104	1,109	0	0	512	0	0	370	0	227
132	U. AK Fairbanks all campuses	89,637	1,106	0	0	797	309	0	0	0	0
133	Clemson U.	56,829	1,062	27	0	791	5	0	0	0	239
134	U. MO-St. Louis	4,470	1,052	148	0	693	64	0	130	0	17
135	Marshall U.	18,660	1,050	181	0	743	126	0	0	0	0
136	Carnegie Mellon U.	173,902	1,009	0	0	0	89	0	0	920	0
137	TX Christian U.	3,068	1,004	12	4	983	0	0	0	0	5
138	WA State U.	80,222	953	0	4	924	16	0	0	9	0
139	Loyola U. Chicago	30,584	944	285	0	659	0	0	0	0	0
140	UT State U.	92,660	907	0	0	907	0	0	0	0	0

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
141	Brown U.	90,857	892	0	0	394	128	0	0	0	370
142	TX Tech U.	22,071	884	0	0	874	0	10	0	0	0
143	MT Tech of the U. MT	4,315	880	6	0	761	0	0	0	0	113
144	U. North TX	7,003	878	38	217	484	139	0	0	0	0
145	CA State U. Long Beach	8,577	872	0	0	868	1	0	3	0	0
146	Southern OR U.	739	863	30	41	614	37	0	141	0	0
147	U. Southern MS	34,941	859	73	0	747	19	0	20	0	0
148	Drake U.	398	854	0	0	496	0	357	0	0	1
149	Dickinson C.	212	802	0	0	20	782	0	0	0	0
150	Duquesne U.	3,717	792	205	0	430	0	107	0	50	0
151	U. NC Wilmington	10,665	784	12	0	527	0	0	245	0	0
152	VA Polytechnic Institute and State U.	109,842	779	263	41	473	0	0	0	0	2
153	Simmons C.	108	776	0	268	0	0	0	508	0	0
154	U. TX-Pan American	2,999	771	178	0	446	0	147	0	0	0
155	U. MT, The	36,433	758	168	0	584	2	0	0	4	0
156	Claremont Graduate U.	1,104	755	0	0	497	41	0	0	0	217
157	San Diego State U.	35,328	748	0	0	748	0	0	0	0	0
158	U. Northern CO	1,509	742	0	0	742	0	0	0	0	0
159	Boston C.	17,801	735	40	0	660	35	0	0	0	0
160	U. WI La Crosse	1,441	730	657	0	0	0	0	0	0	73
161	Eastern KY U.	294	721	39	0	12	0	670	0	0	0
162	Catholic U. America, The	16,252	685	0	0	491	92	9	49	0	44
163	U.S. Air Force Academy	15,165	677	386	0	9	141	42	0	0	99
164	NM State U. all campuses	91,247	665	566	89	0	0	0	0	10	0
165	Princeton U.	120,042	657	0	0	0	539	0	0	118	0
166	Roger Williams U. Bristol	772	630	0	0	380	0	250	0	0	0
167	U. NV, Las Vegas	35,942	630	0	46	255	329	0	0	0	0
168	U. ME	28,951	613	0	36	135	442	0	0	0	0
169	Case Western Reserve U.	212,485	612	462	0	0	100	0	50	0	0
170	Southern CT State U.	1,666	604	0	0	604	0	0	0	0	0
171	Northeastern State U.	625	601	0	0	246	0	195	0	0	160
172	Fisk U.	6,000	600	0	0	500	0	0	0	100	0
173	Duke U.	376,568	584	0	0	102	184	185	0	0	113
174	CUNY Hunter C.	18,544	583	0	0	583	0	0	0	0	0
175	U. TN all campuses	121,004	582	46	0	141	375	0	12	0	8

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields									
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields	
176	U. Baltimore	2,255	577	0	0	577	0	0	0	0	0	0
177	CUNY The City C.	22,289	573	0	0	573	0	0	0	0	0	0
178	U. NV, Reno	60,329	564	29	103	355	77	0	0	0	0	0
179	U. Akron all campuses	10,246	563	0	0	563	0	0	0	0	0	0
180	Northeastern IL U.	65	537	0	0	537	0	0	0	0	0	0
181	Auburn U. all campuses	51,319	530	391	0	122	17	0	0	0	0	0
182	Eastern MI U.	4,156	522	0	0	288	117	0	117	0	0	0
183	U. Northern IA	569	517	0	0	393	0	0	119	0	0	5
184	Yale U.	332,702	516	0	0	0	354	162	0	0	0	0
185	U. MO-Kansas City	16,960	497	316	0	12	145	0	1	0	0	23
186	GA Institute of Technology all campuses	245,130	492	0	0	0	105	0	0	0	0	387
187	U. Cincinnati all campuses	202,654	488	0	0	488	0	0	0	0	0	0
188	U. Tulsa	8,969	486	30	31	234	152	38	0	1	0	0
189	U. South FL	142,580	471	16	181	0	0	0	157	8	0	109
190	Grambling State U.	1,461	465	0	0	452	1	0	0	12	0	0
191	Teachers C. Columbia U.	6,187	461	0	0	461	0	0	0	0	0	0
192	U. MA Boston	6,326	460	0	0	0	25	0	435	0	0	0
193	Baylor U.	1,473	454	119	0	0	0	0	0	0	0	335
194	U. of Notre Dame	51,072	452	94	8	0	174	0	0	1	0	175
195	WV U.	62,489	425	0	0	209	154	4	4	0	0	54
196	IL State U.	3,152	424	0	0	119	65	0	65	0	0	175
197	Rose-Hulman Institute of Technology	741	422	0	0	422	0	0	0	0	0	0
198	Morehouse C.	3,196	406	0	317	5	84	0	0	0	0	0
199	DE State U.	5,048	388	192	0	4	0	0	22	0	0	170
200	OR Institute of Technology	1,517	361	36	79	246	0	0	0	0	0	0
201	Western WA U.	2,023	360	188	0	0	22	0	150	0	0	0
202	West TX A&M U.	1,610	358	0	0	358	0	0	0	0	0	0
203	TX A&M U. Commerce	71	352	0	0	352	0	0	0	0	0	0
204	U. AR Pine Bluff	3,933	345	75	0	270	0	0	0	0	0	0
205	State U. West GA	913	340	50	15	275	0	0	0	0	0	0
206	U. MA Dartmouth	9,852	338	0	0	75	263	0	0	0	0	0
207	DePaul U.	3,776	334	35	0	0	296	3	0	0	0	0
208	Wellesley C.	2,429	331	0	0	0	0	0	0	49	0	282
209	Providence C.	306	329	0	0	327	0	0	2	0	0	0
210	San Francisco State U.	12,457	320	2	0	233	56	0	0	29	0	0

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								Other non-S&E fields
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	
211	TN Technological U.	3,515	318	0	0	298	20	0	0	0	0
212	Hamilton C. (Clinton, NY)	1,138	316	0	0	0	0	0	316	0	0
213	CA State U. Chico	1,027	313	0	27	0	72	0	0	0	214
214	Alfred U. all campuses	2,454	312	0	0	0	0	312	0	0	0
215	U. LA Lafayette	16,159	312	21	126	30	61	0	74	0	0
216	Air Force Institute of Technology	4,934	304	304	0	0	0	0	0	0	0
217	C. Charleston	3,022	302	85	0	216	1	0	0	0	0
218	Portland State U.	18,580	297	0	0	297	0	0	0	0	0
219	CUNY Queens C.	5,443	289	0	0	268	0	0	0	0	21
220	U. of the Pacific	1,292	270	0	0	16	0	208	9	37	0
221	U. TX San Antonio	15,924	251	60	0	191	0	0	0	0	0
222	U. WI Oshkosh	650	251	0	0	233	0	0	0	0	18
223	Sinte Gleska U.	612	250	0	0	250	0	0	0	0	0
224	Augsburg C.	606	247	0	0	247	0	0	0	0	0
225	FL Institute of Technology	5,170	243	243	0	0	0	0	0	0	0
226	Smith C.	1,757	239	0	67	0	138	0	14	20	0
227	Governors State U.	134	238	13	0	225	0	0	0	0	0
228	Howard U.	40,020	232	0	13	67	0	0	133	0	19
229	Rice U.	54,735	228	147	0	2	79	0	0	0	0
230	CA State U. Los Angeles	9,797	226	24	0	116	20	0	0	0	66
231	TX Southern U.	4,426	225	0	0	0	0	0	0	0	225
232	U. Richmond	1,615	222	0	222	0	0	0	0	0	0
233	CUNY Baruch C.	184	218	0	0	0	0	0	0	0	218
234	Rensselaer Polytechnic Institute	42,338	217	32	185	0	0	0	0	0	0
235	U. WY	29,351	216	0	0	5	22	0	0	0	189
236	Willamette U.	51	211	0	0	196	15	0	0	0	0
237	Prairie View A&M U.	8,464	207	0	0	207	0	0	0	0	0
238	ID State U.	12,087	201	194	0	7	0	0	0	0	0
239	Eastern WA U.	292	200	0	0	200	0	0	0	0	0
240	Old Dominion U.	24,463	199	0	0	199	0	0	0	0	0
241	SUNY Stony Brook all campuses	125,781	192	186	0	6	0	0	0	0	0
242	Stephen F. Austin State U.	887	189	0	0	189	0	0	0	0	0
243	U. Houston-Clear Lake	324	180	180	0	0	0	0	0	0	0
244	U. Portland	178	179	6	0	173	0	0	0	0	0
245	U. SD	15,448	169	0	0	136	0	33	0	0	0

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
246	SUNY C. Cortland	386	167	0	0	167	0	0	0	0	0
247	SUNY C. Geneseo	842	167	0	0	20	147	0	0	0	0
248	U. Toledo	15,521	159	135	0	24	0	0	0	0	0
249	U. AL, The	24,393	153	0	0	0	0	19	124	0	10
250	Oakland U.	5,599	148	102	41	0	0	0	0	0	5
251	Tulane U.	94,628	147	93	0	0	1	3	7	12	31
252	Bowie State U.	2,033	141	0	0	141	0	0	0	0	0
253	Grand Valley State U.	534	141	0	0	141	0	0	0	0	0
254	ND State U. all campuses	46,060	141	0	41	97	3	0	0	0	0
255	U. PR Rio Piedras Campus	14,301	139	0	0	139	0	0	0	0	0
256	MS State U.	84,465	136	0	0	38	5	0	0	0	93
257	U. TX Arlington	17,654	136	0	0	54	82	0	0	0	0
258	Andrews U.	122	135	0	0	135	0	0	0	0	0
259	LA Tech U.	5,336	131	0	0	126	0	0	0	5	0
260	U. WI Green Bay	999	131	131	0	0	0	0	0	0	0
261	Emory U.	266,868	130	0	0	61	67	2	0	0	0
262	Appalachian State U.	503	129	0	0	129	0	0	0	0	0
263	FL Atlantic U.	15,956	128	53	0	2	12	0	61	0	0
264	TX State U. San Marcos	2,921	124	49	0	0	42	0	0	0	33
265	IN State U. all campuses	544	116	0	0	11	105	0	0	0	0
266	Clark U.	2,611	114	0	0	114	0	0	0	0	0
267	OH U. all campuses	20,736	110	0	0	90	0	0	0	20	0
268	U. UT	168,652	109	43	0	0	66	0	0	0	0
269	Brandeis U.	39,788	107	0	0	97	0	10	0	0	0
270	CA State Polytechnic U. San Luis Obispo	5,743	106	0	0	106	0	0	0	0	0
271	LA State U. all campuses	128,324	105	62	0	0	34	9	0	0	0
272	East Carolina U.	10,967	103	0	0	81	0	0	0	0	22
273	Marquette U.	6,979	103	0	47	52	4	0	0	0	0
274	U. Puget Sound	281	97	0	0	0	97	0	0	0	0
275	U. AZ	292,811	96	88	0	0	0	0	8	0	0
276	Central CT State U.	788	91	0	0	0	91	0	0	0	0
277	Carleton C.	2,896	85	0	0	0	85	0	0	0	0
278	Lafayette C.	1,019	85	85	0	0	0	0	0	0	0
279	Vassar C.	535	81	0	0	81	0	0	0	0	0
280	U. VT	79,879	79	0	0	79	0	0	0	0	0

TABLE 69. Federally financed R&amp;D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&amp;E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
281	U. MO-Rolla	21,772	78	56	10	0	0	0	0	0	12
282	FL A&M U.	22,378	74	0	0	74	0	0	0	0	0
283	Hendrix C.	476	74	0	0	0	74	0	0	0	0
284	Northern AZ U.	14,547	74	1	0	36	17	0	20	0	0
285	Wesleyan U.	5,180	68	0	0	5	63	0	0	0	0
286	Western KY U.	4,915	68	0	0	40	28	0	0	0	0
287	Indiana U. PA all campuses	513	65	0	0	0	53	0	0	0	12
288	Pomona C.	823	65	0	0	0	65	0	0	0	0
289	Washington and Lee U.	404	64	16	0	0	48	0	0	0	0
290	TX A&M International U.	127	63	0	0	63	0	0	0	0	0
291	TX A&M U. Kingsville	4,972	57	0	0	57	0	0	0	0	0
292	Worcester Polytechnic Institute	9,424	57	0	0	57	0	0	0	0	0
293	Calvin C.	714	56	0	0	0	56	0	0	0	0
294	KY State U.	3,044	56	0	0	56	0	0	0	0	0
295	Seton Hall U.	1,856	56	0	0	0	0	0	0	0	56
296	NC Agricultural and Technical State U.	16,348	55	0	0	55	0	0	0	0	0
297	SUNY C. Old Westbury	1,422	47	0	0	0	0	0	0	0	47
298	Kansas City U. of Medicine and Biosciences	219	43	0	0	43	0	0	0	0	0
299	Barnard C.	2,342	42	0	0	2	40	0	0	0	0
300	Southwest MO State U.	5,166	42	0	0	42	0	0	0	0	0
301	American U.	1,364	39	10	25	0	4	0	0	0	0
302	Lake Forest C.	133	38	0	0	19	19	0	0	0	0
303	U. Houston-Downtown	317	37	0	0	37	0	0	0	0	0
304	Clark Atlanta U.	11,346	33	0	0	2	0	0	14	0	17
305	Wake Forest U.	141,685	30	25	5	0	0	0	0	0	0
306	Bryn Mawr C.	966	26	0	0	0	0	0	26	0	0
307	TN State U.	10,446	24	0	0	24	0	0	0	0	0
308	Colby C.	861	23	0	0	0	23	0	0	0	0
309	CA State U. Fresno	4,870	22	0	0	0	22	0	0	0	0
310	MI Technological U.	19,760	20	0	0	20	0	0	0	0	0
311	Gallaudet U.	2,138	19	0	0	19	0	0	0	0	0
312	Heritage U. (Toppenish, WA)	266	19	0	0	19	0	0	0	0	0
313	U. NC Asheville	1,658	19	0	0	0	0	0	0	0	19
314	Southeastern LA U.	1,276	17	0	0	17	0	0	0	0	0
315	Bowling Green State U. all campuses	6,418	16	0	0	2	13	0	0	1	0

TABLE 69. Federally financed R&D expenditures in non-science and engineering fields at universities and colleges, ranked by total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
316	U. MD Baltimore County	43,377	15	0	0	0	15	0	0	0	0
317	Fordham U.	1,383	14	0	0	14	0	0	0	0	0
318	Southern IL U. Carbondale	16,975	14	0	14	0	0	0	0	0	0
319	Kennesaw State U.	293	12	0	0	0	12	0	0	0	0
320	Allegheny C.	315	9	0	0	0	9	0	0	0	0
321	Northern KY U.	768	9	0	0	0	9	0	0	0	0
322	Sam Houston State U.	106	9	0	0	0	0	9	0	0	0
323	SUNY Fredonia	33	8	0	0	8	0	0	0	0	0
324	Boise State U.	8,447	6	0	0	0	0	0	0	6	0
325	Loyola U. New Orleans	367	6	0	6	0	0	0	0	0	0
326	Bucknell U.	721	5	0	0	0	5	0	0	0	0
327	New C. FL	198	4	0	0	0	4	0	0	0	0
328	U. San Francisco	545	4	0	0	4	0	0	0	0	0
329	SD State U.	13,914	3	0	3	0	0	0	0	0	0
330	Dartmouth C.	122,329	1	0	1	0	0	0	0	0	0
331	Murray State U.	1,310	1	0	0	0	0	0	0	0	1
332	U. WI Whitewater	277	1	0	0	1	0	0	0	0	0
	Abilene Christian U.	164	0	0	0	0	0	0	0	0	0
	AL A&M U.	12,005	0	0	0	0	0	0	0	0	0
	AL State U.	1,685	0	0	0	0	0	0	0	0	0
	Albany C. of Pharmacy	351	0	0	0	0	0	0	0	0	0
	Albany Medical C.	11,525	0	0	0	0	0	0	0	0	0
	Alcorn State U.	5,396	0	0	0	0	0	0	0	0	0
	Amherst C.	1,270	0	0	0	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	344	0	0	0	0	0	0	0	0	0
	AR State U. main campus	1,080	0	0	0	0	0	0	0	0	0
	Augustana C. (Rock Island, IL)	203	0	0	0	0	0	0	0	0	0
	Augustana C. (Sioux Falls, SD)	591	0	0	0	0	0	0	0	0	0
	Bates C.	794	0	0	0	0	0	0	0	0	0
	Baylor C. of Medicine	300,638	0	0	0	0	0	0	0	0	0
	Benedict C.	1,399	0	0	0	0	0	0	0	0	0
	Bluefield State C.	359	0	0	0	0	0	0	0	0	0
	Bowdoin C.	1,444	0	0	0	0	0	0	0	0	0
	Bradley U.	346	0	0	0	0	0	0	0	0	0
	Bridgewater State C.	95	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	CA Institute of Technology	249,371	0	0	0	0	0	0	0	0	0
	CA State Polytechnic U. Pomona	2,765	0	0	0	0	0	0	0	0	0
	CA State U. East Bay	2,122	0	0	0	0	0	0	0	0	0
	CA State U. Monterey Bay	3,821	0	0	0	0	0	0	0	0	0
	Central MI U.	3,086	0	0	0	0	0	0	0	0	0
	Chapman U.	303	0	0	0	0	0	0	0	0	0
	Charles R. Drew U. of Medicine and Science	41,207	0	0	0	0	0	0	0	0	0
	Chicago State U.	1,724	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	1,673	0	0	0	0	0	0	0	0	0
	Clafin U.	222	0	0	0	0	0	0	0	0	0
	Coastal Carolina U.	453	0	0	0	0	0	0	0	0	0
	C. of the Holy Cross	312	0	0	0	0	0	0	0	0	0
	CO School of Mines	15,501	0	0	0	0	0	0	0	0	0
	CO State U. Pueblo	598	0	0	0	0	0	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0
	CUNY Brooklyn C.	2,694	0	0	0	0	0	0	0	0	0
	CUNY C. Staten Island	1,646	0	0	0	0	0	0	0	0	0
	CUNY Herbert H. Lehman C.	3,711	0	0	0	0	0	0	0	0	0
	CUNY John Jay C. of Criminal Justice	516	0	0	0	0	0	0	0	0	0
	CUNY Medgar Evers C.	701	0	0	0	0	0	0	0	0	0
	CUNY York C.	1,448	0	0	0	0	0	0	0	0	0
	Desert Research Institute	28,655	0	0	0	0	0	0	0	0	0
	East TN State U.	5,015	0	0	0	0	0	0	0	0	0
	Eastern VA Medical School	19,969	0	0	0	0	0	0	0	0	0
	Elizabeth City State U.	888	0	0	0	0	0	0	0	0	0
	Fitchburg State C.	161	0	0	0	0	0	0	0	0	0
	Ft. Lewis C.	204	0	0	0	0	0	0	0	0	0
	Ft. Valley State U.	2,492	0	0	0	0	0	0	0	0	0
	Franklin & Marshall C.	1,277	0	0	0	0	0	0	0	0	0
	Fuller Theological Seminary CA	985	0	0	0	0	0	0	0	0	0
	Furman U.	999	0	0	0	0	0	0	0	0	0
	Gettysburg C.	536	0	0	0	0	0	0	0	0	0
	Grinnell C.	603	0	0	0	0	0	0	0	0	0
	Gustavus Adolphus C.	368	0	0	0	0	0	0	0	0	0
	Hampshire C.	1,110	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Hampton U.	42,792	0	0	0	0	0	0	0	0	0
	Harvey Mudd C.	767	0	0	0	0	0	0	0	0	0
	Haverford C.	857	0	0	0	0	0	0	0	0	0
	Hope C.	1,181	0	0	0	0	0	0	0	0	0
	IL Wesleyan U.	150	0	0	0	0	0	0	0	0	0
	Ithaca C.	1,558	0	0	0	0	0	0	0	0	0
	Jackson State U.	30,472	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	873	0	0	0	0	0	0	0	0	0
	James Madison U.	3,568	0	0	0	0	0	0	0	0	0
	Juniata C.	537	0	0	0	0	0	0	0	0	0
	Kalamazoo C.	244	0	0	0	0	0	0	0	0	0
	Kettering U.	701	0	0	0	0	0	0	0	0	0
	Lamar U.	1,259	0	0	0	0	0	0	0	0	0
	Langston U.	3,848	0	0	0	0	0	0	0	0	0
	Lawrence Technological U.	354	0	0	0	0	0	0	0	0	0
	Lewis and Clark C.	102	0	0	0	0	0	0	0	0	0
	Lincoln U. (Jefferson City, MO)	2,093	0	0	0	0	0	0	0	0	0
	Lincoln U. (Lincoln University, PA)	526	0	0	0	0	0	0	0	0	0
	Loma Linda U.	26,855	0	0	0	0	0	0	0	0	0
	Long Island U. all campuses	1,227	0	0	0	0	0	0	0	0	0
	Loyola C.	551	0	0	0	0	0	0	0	0	0
	Loyola Marymount U.	473	0	0	0	0	0	0	0	0	0
	Macalester C.	739	0	0	0	0	0	0	0	0	0
	Maharishi U. of Management	492	0	0	0	0	0	0	0	0	0
	Manhattan C.	312	0	0	0	0	0	0	0	0	0
	Mayville State U.	185	0	0	0	0	0	0	0	0	0
	McNeese State U.	382	0	0	0	0	0	0	0	0	0
	Medical C. GA	41,910	0	0	0	0	0	0	0	0	0
	Medical C. WI	102,859	0	0	0	0	0	0	0	0	0
	Medical U. OH	14,756	0	0	0	0	0	0	0	0	0
	Medical U. SC	108,196	0	0	0	0	0	0	0	0	0
	Meharry Medical C.	27,408	0	0	0	0	0	0	0	0	0
	Mercer U. all campuses	11,235	0	0	0	0	0	0	0	0	0
	Middle TN State U.	1,084	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	1,298	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Milwaukee School of Engineering	648	0	0	0	0	0	0	0	0	0
	MN State U. Mankato	48	0	0	0	0	0	0	0	0	0
	MS Valley State U.	606	0	0	0	0	0	0	0	0	0
	Monmouth U.	779	0	0	0	0	0	0	0	0	0
	Morehead State U.	1,693	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	24,213	0	0	0	0	0	0	0	0	0
	Morgan State U.	8,126	0	0	0	0	0	0	0	0	0
	Mt. Holyoke C.	1,869	0	0	0	0	0	0	0	0	0
	Mt. Sinai School of Medicine	191,326	0	0	0	0	0	0	0	0	0
	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	0	0	0	0	0	0	0
	Muhlenberg C.	202	0	0	0	0	0	0	0	0	0
	National U. of Health Sciences	48	0	0	0	0	0	0	0	0	0
	New England C. of Optometry	1,474	0	0	0	0	0	0	0	0	0
	NJ Institute of Technology	35,716	0	0	0	0	0	0	0	0	0
	NM Highlands U.	930	0	0	0	0	0	0	0	0	0
	New School, The	2,960	0	0	0	0	0	0	0	0	0
	NY Institute of Technology all campuses	230	0	0	0	0	0	0	0	0	0
	Nicholls State U.	674	0	0	0	0	0	0	0	0	0
	Norfolk State U.	6,055	0	0	0	0	0	0	0	0	0
	Northeastern OH Universities C. of Medicine	3,267	0	0	0	0	0	0	0	0	0
	Nova Southeastern U.	1,719	0	0	0	0	0	0	0	0	0
	Oberlin C.	841	0	0	0	0	0	0	0	0	0
	Occidental C.	880	0	0	0	0	0	0	0	0	0
	OH Wesleyan U.	325	0	0	0	0	0	0	0	0	0
	OK State U. all campuses	36,637	0	0	0	0	0	0	0	0	0
	OR Health & Science U.	217,145	0	0	0	0	0	0	0	0	0
	Pace U. all campuses	958	0	0	0	0	0	0	0	0	0
	PA C. of Optometry	1,060	0	0	0	0	0	0	0	0	0
	Philadelphia C. of Osteopathic Medicine	973	0	0	0	0	0	0	0	0	0
	Pittsburg State U.	716	0	0	0	0	0	0	0	0	0
	Pitzer C.	121	0	0	0	0	0	0	0	0	0
	Point Loma Nazarene C.	261	0	0	0	0	0	0	0	0	0
	Ponce School of Medicine	6,715	0	0	0	0	0	0	0	0	0
	Reed C.	774	0	0	0	0	0	0	0	0	0
	Rhodes C.	263	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Rider U.	308	0	0	0	0	0	0	0	0	0
	Roanoke C.	192	0	0	0	0	0	0	0	0	0
	Rockefeller U.	85,552	0	0	0	0	0	0	0	0	0
	Rosalind Franklin U. of Medicine and Science	9,974	0	0	0	0	0	0	0	0	0
	Rush U.	49,150	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	13	0	0	0	0	0	0	0	0	0
	Savannah State U.	2,421	0	0	0	0	0	0	0	0	0
	Scripps Research Institute, The	272,969	0	0	0	0	0	0	0	0	0
	Seattle U.	421	0	0	0	0	0	0	0	0	0
	Skidmore C.	741	0	0	0	0	0	0	0	0	0
	Sonoma State U.	445	0	0	0	0	0	0	0	0	0
	SC State U.	2,587	0	0	0	0	0	0	0	0	0
	SD School of Mines and Technology	10,752	0	0	0	0	0	0	0	0	0
	Southeast MO State U.	182	0	0	0	0	0	0	0	0	0
	Southeastern OK State U.	475	0	0	0	0	0	0	0	0	0
	Spelman C.	2,576	0	0	0	0	0	0	0	0	0
	St. Francis U. (Loretto, PA)	4,981	0	0	0	0	0	0	0	0	0
	St. Joseph's U.	2,596	0	0	0	0	0	0	0	0	0
	St. Louis U. all campuses	44,757	0	0	0	0	0	0	0	0	0
	St. Mary's C. MD	306	0	0	0	0	0	0	0	0	0
	St. Mary's U. (San Antonio, TX)	405	0	0	0	0	0	0	0	0	0
	St. Olaf C.	390	0	0	0	0	0	0	0	0	0
	Sul Ross State U.	1,506	0	0	0	0	0	0	0	0	0
	SUNY Binghamton	10,494	0	0	0	0	0	0	0	0	0
	SUNY C. Brockport	436	0	0	0	0	0	0	0	0	0
	SUNY C. Buffalo	1,335	0	0	0	0	0	0	0	0	0
	SUNY C. of Optometry	1,979	0	0	0	0	0	0	0	0	0
	SUNY Health Science Ctr. Brooklyn	23,466	0	0	0	0	0	0	0	0	0
	SUNY Upstate Medical U.	23,275	0	0	0	0	0	0	0	0	0
	Swarthmore C.	1,194	0	0	0	0	0	0	0	0	0
	Syracuse U. all campuses	46,945	0	0	0	0	0	0	0	0	0
	Tarleton State U.	6,386	0	0	0	0	0	0	0	0	0
	TX A&M U. System Health Science Ctr.	32,949	0	0	0	0	0	0	0	0	0
	TX Tech U. Health Science Ctr.	6,730	0	0	0	0	0	0	0	0	0
	TX Woman's U.	940	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	Thomas Jefferson U.	86,171	0	0	0	0	0	0	0	0	0
	Towson U.	1,571	0	0	0	0	0	0	0	0	0
	Trinity C. (Hartford, CT)	611	0	0	0	0	0	0	0	0	0
	Trinity U.	759	0	0	0	0	0	0	0	0	0
	Truman State U.	187	0	0	0	0	0	0	0	0	0
	Uniformed Services U. of the Health Sciences	50,016	0	0	0	0	0	0	0	0	0
	U.S. Coast Guard Academy	660	0	0	0	0	0	0	0	0	0
	U.S. Naval Academy	5,987	0	0	0	0	0	0	0	0	0
	Universidad Central del Caribe	8,543	0	0	0	0	0	0	0	0	0
	U. AK Anchorage all campuses	7,470	0	0	0	0	0	0	0	0	0
	U. AK Southeast all campuses	249	0	0	0	0	0	0	0	0	0
	U. AR for Medical Sciences	59,053	0	0	0	0	0	0	0	0	0
	U. Central OK	198	0	0	0	0	0	0	0	0	0
	U. Hartford	767	0	0	0	0	0	0	0	0	0
	U. IL Springfield	850	0	0	0	0	0	0	0	0	0
	U. LA Monroe	1,051	0	0	0	0	0	0	0	0	0
	U. MD Baltimore	129,270	0	0	0	0	0	0	0	0	0
	U. MD Biotechnology Institute	31,276	0	0	0	0	0	0	0	0	0
	U. MD Ctr. for Environmental Science	13,853	0	0	0	0	0	0	0	0	0
	U. MA Worcester	130,680	0	0	0	0	0	0	0	0	0
	U. of Medicine and Dentistry NJ	143,239	0	0	0	0	0	0	0	0	0
	U. New Haven	235	0	0	0	0	0	0	0	0	0
	U. ND all campuses	32,092	0	0	0	0	0	0	0	0	0
	U. North TX Health Science Ctr. Ft. Worth	17,037	0	0	0	0	0	0	0	0	0
	U. PR Humacao U. C.	3,325	0	0	0	0	0	0	0	0	0
	U. PR Medical Sciences Campus	29,863	0	0	0	0	0	0	0	0	0
	U. San Diego	1,187	0	0	0	0	0	0	0	0	0
	U. Scranton	1,016	0	0	0	0	0	0	0	0	0
	U. South AL	16,538	0	0	0	0	0	0	0	0	0
	U. of St. Thomas (St. Paul, MN)	182	0	0	0	0	0	0	0	0	0
	U. TX Dallas	19,933	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. Houston	112,509	0	0	0	0	0	0	0	0	0
	U. TX Health Science Ctr. San Antonio	95,125	0	0	0	0	0	0	0	0	0
	U. TX M. D. Anderson Cancer Ctr.	160,953	0	0	0	0	0	0	0	0	0
	U. TX Medical Branch	117,235	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 total federal expenditures in non-S&E fields: FY 2005

(Dollars in thousands)

Rank	Institution	Federal S&E R&D expenditures	Non-S&E fields								
			Total	Business and management	Communications, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other non-S&E fields
	U. TX Southwestern Medical Ctr. Dallas	202,057	0	0	0	0	0	0	0	0	0
	U. TX Tyler	144	0	0	0	0	0	0	0	0	0
	U. DC	2,958	0	0	0	0	0	0	0	0	0
	U. of the Sciences Philadelphia	249	0	0	0	0	0	0	0	0	0
	U. of the South	68	0	0	0	0	0	0	0	0	0
	U. of the VI	12,213	0	0	0	0	0	0	0	0	0
	U. WA	606,317	0	0	0	0	0	0	0	0	0
	U. WI Eau Claire	791	0	0	0	0	0	0	0	0	0
	U. WI Parkside	501	0	0	0	0	0	0	0	0	0
	U. WI Platteville	28	0	0	0	0	0	0	0	0	0
	U. WI River Falls	189	0	0	0	0	0	0	0	0	0
	U. WI Stevens Point	867	0	0	0	0	0	0	0	0	0
	U. WI Stout	285	0	0	0	0	0	0	0	0	0
	U. WI Superior	830	0	0	0	0	0	0	0	0	0
	Valparaiso U.	372	0	0	0	0	0	0	0	0	0
	VA Military Institute	35	0	0	0	0	0	0	0	0	0
	VA State U.	2,668	0	0	0	0	0	0	0	0	0
	Wabash C.	222	0	0	0	0	0	0	0	0	0
	WV School of Osteopathic Medicine	96	0	0	0	0	0	0	0	0	0
	WV State U.	2,128	0	0	0	0	0	0	0	0	0
	Western Carolina U.	1,233	0	0	0	0	0	0	0	0	0
	Western U. of Health Sciences	639	0	0	0	0	0	0	0	0	0
	Whitman C.	499	0	0	0	0	0	0	0	0	0
	Wiley C.	45	0	0	0	0	0	0	0	0	0
	Woods Hole Oceanographic Institution	100,747	0	0	0	0	0	0	0	0	0
	Wright State U. all campuses	20,527	0	0	0	0	0	0	0	0	0
	Youngstown State U.	1,138	0	0	0	0	0	0	0	0	0

S&E = science and engineering.

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 2005.

TABLE 70. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, by highest degree granted, institutional control, and agency: FY 2005

(Dollars in thousands)

Highest degree and control of institution	Respondents (number)	R&D expenditures	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>	
All universities and colleges	574	45,457,311	28,992,301	2,614,734	1,055,302	15,869,380	1,130,168	3,532,672	814,067	3,326,576	
Doctorate	338	44,859,767	28,614,992	2,568,078	1,037,595	15,792,358	1,094,805	3,443,828	769,590	3,259,336	
Nondoctorate	236	597,544	377,309	46,656	17,707	77,022	35,363	88,844	44,477	67,240	
Public	359	30,637,148	17,773,071	1,832,385	700,254	8,716,801	763,002	2,400,296	733,544	2,626,789	
Private	215	14,820,163	11,219,230	782,349	355,048	7,152,579	367,166	1,132,376	80,523	699,787	
				Percent distribution							
All universities and colleges	574	45,457,311	100.0	9.0	3.6	54.7	3.9	12.2	2.8	11.5	
Doctorate	338	44,859,767	100.0	9.0	3.6	55.2	3.8	12.0	2.7	11.4	
Nondoctorate	236	597,544	100.0	12.4	4.7	20.4	9.4	23.5	11.8	17.8	
Public	359	30,637,148	100.0	10.3	3.9	49.0	4.3	13.5	4.1	14.8	
Private	215	14,820,163	100.0	7.0	3.2	63.8	3.3	10.1	0.7	6.2	

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.

<sup>a</sup> Includes all other agencies reported.

NOTES: R&D expenditures and federal R&D expenditures totals 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.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 71. Federally financed R&D expenditures at universities and colleges, by science and engineering field and agency: FY 2005  
(Dollars in thousands)

Science and engineering field	Federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
All science and engineering	29,167,128	2,614,734	1,055,302	15,869,380	1,130,168	3,532,672	814,067	3,326,576
Computer sciences	1,022,837	301,533	28,605	36,171	28,046	426,815	1,872	129,327
Environmental sciences	1,725,313	141,092	95,899	59,849	217,758	589,697	53,815	522,259
Atmospheric sciences	358,527	25,318	18,136	1,213	86,092	106,494	2,504	105,021
Earth sciences	614,337	31,042	60,026	11,196	95,556	198,428	39,535	145,103
Oceanography	545,624	63,507	5,091	13,112	20,363	197,841	4,537	204,434
Environmental sciences, nec	206,825	17,579	12,125	33,209	14,889	32,789	7,239	47,451
Life sciences	17,690,853	428,402	153,276	14,196,594	114,035	567,591	672,855	1,421,308
Agricultural sciences	845,191	11,280	18,956	51,547	14,642	99,813	452,597	187,933
Biological sciences	6,194,420	139,191	67,972	4,913,445	46,462	406,548	179,753	384,572
Medical sciences	9,898,274	257,950	57,374	8,622,110	48,615	43,944	27,222	772,722
Life sciences, nec	752,968	19,981	8,974	609,492	4,316	17,286	13,283	76,081
Mathematical sciences	346,213	41,016	9,525	61,857	4,495	174,065	3,515	25,120
Physical sciences	2,673,596	319,255	379,414	451,879	353,447	778,863	6,656	243,566
Astronomy	310,851	14,423	6,464	31	119,758	61,982	0	49,723
Chemistry	947,606	104,047	67,736	402,658	21,570	271,324	4,505	58,705
Physics	1,232,945	172,204	290,479	31,160	161,429	401,040	1,782	121,573
Physical sciences, nec	182,194	28,581	14,735	18,030	50,690	44,517	369	13,565
Psychology	611,001	28,774	715	450,904	11,515	51,040	406	60,963
Social sciences	691,404	25,404	19,395	256,467	11,586	98,466	35,135	229,131
Economics	109,269	1,010	4,982	16,554	2,356	18,851	22,952	41,427
Political sciences	106,041	3,498	870	40,468	275	16,034	1,430	42,671
Sociology	193,702	4,174	524	120,950	403	25,990	4,823	34,087
Social sciences, nec	282,392	16,722	13,019	78,495	8,552	37,591	5,930	110,946
Sciences, nec	290,194	45,875	10,603	42,709	8,076	62,268	5,164	75,559
Engineering	4,115,717	1,277,581	353,893	290,638	380,121	772,191	34,617	599,144
Aeronautical/astronautical engineering	330,473	93,526	7,727	1,516	130,593	14,534	220	39,378
Bioengineering/biomedical engineering	255,401	26,875	4,769	152,095	8,303	32,293	3,486	27,044
Chemical engineering	292,190	52,751	52,455	34,156	15,413	83,964	5,231	34,214
Civil engineering	337,662	40,971	19,668	5,960	11,094	93,342	5,971	155,243
Electrical engineering	1,045,388	481,648	32,172	25,932	46,407	237,817	462	88,931
Mechanical engineering	626,297	195,787	115,756	22,015	42,341	93,132	1,156	70,122
Metallurgical/materials engineering	368,934	172,602	51,266	8,565	11,614	78,203	697	45,304
Engineering, nec	859,372	204,767	70,080	40,399	114,232	131,756	17,394	134,628

nec = not elsewhere classified.

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.

<sup>a</sup> Includes all other agencies reported.

NOTES: 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.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
	All institutions	28,992,301	2,614,734	1,055,302	15,869,380	1,130,168	3,532,672	814,067	3,326,576
1	Johns Hopkins U., The <sup>b</sup>	1,277,292	17,850	4,121	559,117	17,270	24,864	1,097	3,571
2	U. WA	606,317	5,795	16,003	1,535	10,835	69,091	2,007	501,051
3	Stanford U.	574,675	60,013	25,599	317,407	94,533	62,099	0	15,024
4	U. MI all campuses	554,516	59,940	19,244	372,268	16,732	59,357	1,293	25,682
5	U. WI Madison	477,582	23,235	32,857	262,541	11,041	104,570	16,349	26,989
6	U. CA, Los Angeles	469,889	31,142	22,060	344,709	12,862	44,586	103	14,427
7	U. PA	465,284	13,192	7,363	397,619	1,751	25,485	1,213	18,661
8	U. CA, San Diego	463,946	32,109	12,211	280,209	8,529	106,984	97	23,807
9	MA Institute of Technology	457,235	86,245	70,849	182,090	32,903	72,951	0	12,197
10	Columbia U. in the City of NY	453,188	7,579	446	289,876	11,699	68,632	51	74,905
11	U. CO all campuses	449,366	16,379	7,925	225,191	43,688	41,067	545	114,571
12	U. CA, San Francisco	438,988	6,142	623	423,429	959	1,712	96	6,027
13	U. Pittsburgh all campuses	420,281	12,110	4,210	333,416	1,625	17,955	0	50,965
14	Washington U. St. Louis	400,699	4,006	3,387	367,762	5,663	15,916	772	3,193
15	Harvard U.	395,906	21,032	12,208	307,641	8,016	33,294	104	13,611
16	Duke U.	376,568	21,380	8,019	315,639	1,686	23,227	496	6,121
17	Cornell U. all campuses	365,694	16,102	6,032	195,802	4,931	104,530	26,001	12,296
18	PA State U. all campuses	358,569	146,070	13,383	87,385	13,836	46,768	9,632	41,495
19	Yale U.	332,702	6,184	8,713	292,063	1,517	22,090	940	1,195
20	U. Southern CA	330,126	66,165	5,602	160,162	6,073	40,761	120	51,243
21	U. NC Chapel Hill	320,294	598	2,256	253,377	998	18,453	446	44,166
22	U. MN all campuses	319,771	13,967	6,327	215,784	4,273	49,306	15,986	14,128
23	Baylor C. of Medicine	300,638	5,700	198	241,148	29,084	2,077	21,824	607
24	OH State U. all campuses	294,053	27,145	13,551	141,345	8,477	37,558	22,625	43,352
25	U. AZ	292,811	15,872	5,127	112,967	40,139	42,261	6,870	69,575
26	U. CA, Berkeley	290,960	30,813	7,680	91,396	64,793	71,160	4,803	20,315
27	U. IL Urbana-Champaign	289,985	38,587	29,107	56,835	7,003	121,705	18,181	18,567
28	U. AL Birmingham, The	288,434	7,008	1,475	261,082	8,234	3,400	29	7,206
29	Vanderbilt U.	281,694	17,884	4,215	237,172	2,113	13,610	541	6,159
30	Scripps Research Institute, The	272,969	5,547	642	223,186	824	1,760	0	41,010
31	Emory U.	266,868	7,172	1,305	244,002	61	6,029	83	8,216
32	U. Rochester	257,497	10,252	70,885	161,759	1,443	10,963	24	2,171
33	U. TX Austin	254,529	75,730	16,933	46,847	8,513	40,710	146	65,650
34	CA Institute of Technology	249,371	0	17,657	41,748	16,679	72,337	1	100,949
35	U. Chicago	245,679	6,936	8,923	181,943	4,743	40,248	0	2,886



TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
36	GA Institute of Technology all campuses	245,130	134,047	13,316	19,380	17,995	46,173	168	14,051
37	Northwestern U.	244,113	21,196	6,913	151,137	2,128	26,534	168	36,037
38	U. CA, Davis	240,003	8,939	10,247	140,098	2,629	39,230	18,896	19,964
39	U. FL	231,699	19,710	9,627	112,356	10,211	34,772	21,956	23,067
40	Boston U.	228,842	13,682	4,396	173,248	7,621	22,766	109	7,020
41	OR Health & Science U.	217,145	2,105	667	199,808	352	4,273	2	9,938
42	U. IA	216,354	9,059	1,587	178,346	6,268	10,861	0	10,233
43	TX A&M U. all campuses	212,923	23,880	14,276	45,771	10,938	79,672	13,626	24,760
44	Case Western Reserve U.	212,485	5,387	4,137	179,690	6,694	8,697	35	7,845
45	U. Cincinnati all campuses	202,654	5,828	2,477	176,712	1,544	4,539	214	11,340
46	U. TX Southwestern Medical Ctr. Dallas	202,057	6,410	700	178,897	772	559	84	14,635
47	U. VA all campuses	200,726	14,270	3,497	140,369	4,563	18,384	0	19,643
48	U. IL Chicago	198,163	7,311	4,296	156,417	790	19,288	255	9,806
49	U. MD College Park	196,008	40,598	9,142	22,970	31,489	36,297	10,816	44,696
50	NY U.	191,782	15,233	2,760	146,573	749	17,985	69	8,413
51	Mt. Sinai School of Medicine	191,326	134	0	149,423	165	380	65	41,159
52	U. HI Manoa	190,137	53,109	0	47,708	14,600	26,579	9,953	38,188
53	Carnegie Mellon U.	173,902	63,307	6,161	19,315	9,036	61,577	0	14,506
54	IN U. all campuses	171,528	7,537	3,788	129,636	2,151	24,411	514	3,491
55	U. UT	168,652	4,310	10,526	117,551	1,152	19,166	101	15,846
56	U. CA, Irvine	161,524	10,193	6,464	111,251	4,559	26,289	151	2,617
57	U. TX M. D. Anderson Cancer Ctr.	160,953	11,496	1,096	136,203	428	400	0	11,330
58	Yeshiva U.	160,894	0	0	160,894	0	0	0	0
59	MI State U.	156,461	6,171	12,448	41,028	3,809	44,272	23,051	25,682
60	U. Miami	156,059	13,266	586	107,517	4,546	16,161	501	13,482
61	CO State U.	154,245	11,737	6,199	42,216	9,506	21,249	38,692	24,646
62	SUNY Buffalo all campuses	151,890	17,497	791	103,460	1,154	17,033	179	11,776
63	Purdue U. all campuses	150,351	20,059	10,354	42,106	8,509	35,609	20,069	13,645
64	U. of Medicine and Dentistry NJ	143,239	7,273	369	130,587	338	1,858	0	2,814
65	U. KY all campuses	142,794	2,360	0	75,767	44	18,236	5,643	40,744
66	U. South FL	142,580	22,774	983	51,047	1,690	8,735	47	57,304
67	Wake Forest U.	141,685	6,006	52	132,753	327	893	0	1,654
68	Rutgers, The State U. NJ all campuses	137,609	11,310	5,297	64,500	2,348	37,150	10,885	6,119
69	U. CT all campuses	134,347	9,371	3,747	82,292	1,970	12,951	7,207	16,809
70	U. MA Worcester	130,680	1,636	283	110,444	306	519	64	17,428

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
71	U. NM all campuses	129,557	13,293	13,179	71,515	3,990	18,393	310	8,877
72	U. MD Baltimore	129,270	4,240	0	117,752	0	0	0	7,278
73	U. NE all campuses	129,216	11,392	4,010	68,311	1,543	17,224	11,553	15,183
74	LA State U. all campuses	128,324	11,315	2,566	78,429	2,071	13,141	7,569	13,233
75	SUNY Stony Brook all campuses	125,781	8,261	8,585	70,240	3,219	26,047	109	9,320
76	Dartmouth C.	122,329	2,490	1,051	88,582	2,342	8,004	609	19,251
77	U. TN all campuses	121,004	4,238	21,557	12,798	2,146	14,147	4,406	61,712
78	Wayne State U.	120,581	11,590	2,534	96,593	386	5,027	5	4,446
79	Princeton U.	120,042	20,497	9,295	38,946	8,954	37,272	0	5,078
80	U. TX Medical Branch	117,235	3,911	0	108,088	2,348	917	363	1,608
81	U. TX Health Science Ctr. Houston	112,509	7,213	160	98,729	892	231	85	5,199
82	U. KS all campuses	110,768	4,086	3,634	74,445	2,344	18,208	399	7,652
83	VA Polytechnic Institute and State U.	109,842	16,975	6,960	11,617	1,576	22,669	13,004	37,041
84	NC State U.	109,128	10,916	6,296	14,612	2,545	26,113	22,199	26,447
85	OR State U.	109,030	10,137	6,278	18,227	6,709	28,557	18,689	20,433
86	Medical U. SC	108,196	4,485	3,700	94,339	0	515	97	5,060
87	FL State U.	105,747	18,457	6,175	19,802	2,492	39,690	1,887	17,244
88	U. CA, Santa Barbara	103,955	33,924	5,920	13,253	4,399	40,702	725	5,032
89	SUNY Albany	103,941	2,871	969	88,229	599	5,041	102	6,130
90	U. GA	102,966	53	13,142	39,239	935	18,764	19,454	11,379
91	Medical C. WI	102,859	983	409	98,797	178	204	0	2,288
92	Woods Hole Oceanographic Institution	100,747	12,300	521	1,119	982	61,295	0	24,530
93	Georgetown U.	100,328	15,439	36	79,420	170	2,922	351	1,990
94	Tufts U.	98,200	2,936	1,063	68,833	1,509	4,294	16,910	2,655
95	IA State U.	98,005	5,066	5,726	21,507	3,832	21,869	24,777	15,228
96	VA Commonwealth U.	97,322	6,156	332	79,873	1,938	2,059	127	6,837
97	U. MO-Columbia	96,038	3,671	3,380	42,647	4,830	11,459	25,776	4,275
98	U. TX Health Science Ctr. San Antonio	95,125	2,236	0	90,135	0	328	0	2,426
99	Tulane U.	94,628	3,147	3,633	73,183	2,164	4,176	721	7,604
100	AZ State U. main campus	94,545	20,121	3,305	24,628	11,908	28,535	965	5,083
101	UT State U.	92,660	23,823	1,417	11,518	30,155	5,217	14,265	6,265
102	NM State U. all campuses	91,247	29,625	3,833	6,671	20,319	6,201	7,820	16,778
103	Brown U.	90,857	13,117	3,547	53,089	3,459	16,356	13	1,276
104	U. AK Fairbanks all campuses	89,637	6,791	4,402	8,015	11,966	23,121	5,668	29,674
105	U. OK all campuses	87,776	2,666	2,085	56,842	2,419	11,056	571	12,137

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
106	Thomas Jefferson U.	86,171	2,517	569	80,823	758	148	875	481
107	Rockefeller U.	85,552	950	971	83,063	0	568	0	0
108	MS State U.	84,465	22,802	8,846	4,790	4,563	6,435	23,311	13,718
109	WA State U.	80,222	9,909	7,964	19,285	664	10,822	16,438	15,140
110	U. VT	79,879	1,040	814	64,094	938	5,506	6,128	1,359
111	George Washington U.	78,779	2,367	1,189	57,165	1,268	4,567	95	12,128
112	U. NH	78,653	3,715	1,108	6,092	11,058	9,504	4,370	42,806
113	U. DE	74,721	13,494	3,301	21,184	1,231	15,062	2,996	17,453
114	MT State U. Bozeman	71,604	6,429	3,958	13,294	7,050	10,249	9,046	21,578
115	U. MS all campuses	67,603	14,904	1,649	37,579	1,541	1,548	5,056	5,326
116	U. Louisville	67,104	6,735	1,183	49,882	1,361	2,923	49	4,971
117	U. MA Amherst	66,921	6,352	6,898	12,474	1,651	28,798	2,649	8,099
118	U. SC all campuses	65,095	13,495	4,581	26,258	1,564	8,439	1,180	9,578
119	Drexel U.	62,606	14,551	1,854	25,045	2,004	8,798	198	10,156
120	WV U.	62,489	4,854	10,952	23,636	1,683	4,410	7,019	9,935
121	U. CA, Santa Cruz	62,301	2,741	2,972	16,140	18,703	13,943	925	6,877
122	U. NV, Reno	60,329	2,817	18,329	20,157	1,629	7,897	3,709	5,791
123	U. AR for Medical Sciences	59,053	648	0	57,152	79	608	320	246
124	KS State U.	58,821	0	0	0	0	0	0	58,821
125	U. Dayton	58,782	54,348	594	395	467	402	3	2,573
126	Clemson U.	56,829	5,634	2,605	3,216	1,516	10,979	8,169	24,710
127	Rice U.	54,735	11,357	3,520	5,884	2,767	19,562	131	11,514
128	Temple U.	53,987	2,382	409	45,468	157	3,331	0	2,240
129	U. CA, Riverside	52,919	12,470	3,039	14,102	1,860	13,834	5,299	2,315
130	FL International U.	51,328	5,701	3,322	13,546	764	8,632	0	19,363
131	Auburn U. all campuses	51,319	5,901	2,919	12,767	3,643	6,096	11,252	8,741
132	U. of Notre Dame	51,072	7,865	5,705	17,961	598	15,516	304	3,123
133	Uniformed Services U. of the Health Sciences	50,016	37,632	0	12,282	0	0	24	78
134	Rush U.	49,150	1,505	0	47,410	0	171	0	64
135	U. ID	47,212	7,015	1,053	10,298	3,583	6,388	11,011	7,864
136	Syracuse U. all campuses	46,945	5,999	1,685	7,341	779	9,904	281	20,956
137	ND State U. all campuses	46,060	18,896	246	5,366	106	5,044	9,697	6,705
138	St. Louis U. all campuses	44,757	226	151	41,366	27	476	26	2,485
139	U. OR	43,564	4,305	2,955	22,960	317	9,981	289	2,757
140	U. MD Baltimore County	43,377	3,220	300	11,672	18,899	5,703	222	3,361

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
141	Naval Postgraduate School	43,079	34,535	750	0	326	1,572	0	5,896
142	Hampton U.	42,792	4,021	817	1,197	34,260	2,412	0	85
143	U. AL Huntsville, The	42,358	14,381	315	397	19,297	2,234	0	5,734
144	Rensselaer Polytechnic Institute	42,338	7,701	4,173	7,025	1,903	17,565	6	3,965
145	U. RI	42,132	4,452	129	9,393	1,676	10,758	2,453	13,271
146	Medical C. GA	41,910	261	268	40,840	356	173	0	12
147	Charles R. Drew U. of Medicine and Science	41,207	83	2,402	38,722	0	0	0	0
148	Howard U.	40,020	2,631	1,822	26,659	676	2,887	586	4,759
149	U. Central FL	40,013	15,339	2,475	4,631	7,223	5,715	312	4,318
150	Brandeis U.	39,788	444	959	28,554	737	4,722	0	4,372
151	U. Houston	37,262	1,404	2,748	21,932	2,231	6,512	0	2,435
152	OK State U. all campuses	36,637	9,751	1,044	6,553	639	6,435	7,718	4,497
153	Northeastern U.	36,524	5,087	572	9,730	1,295	17,516	0	2,324
154	George Mason U.	36,475	9,893	1,106	3,435	8,529	3,970	381	9,161
155	U. MT, The	36,433	1,563	543	11,808	2,394	6,670	3,745	9,710
156	U. NV, Las Vegas	35,942	1,512	24,646	1,937	203	2,869	1,059	3,716
157	NJ Institute of Technology	35,716	7,553	1,281	659	1,391	6,296	102	18,434
158	San Diego State U.	35,328	9,734	349	17,930	1,328	4,641	0	1,346
159	U. Southern MS	34,941	7,840	866	4,156	3,372	5,473	3,479	9,755
160	U. AR main campus	33,496	4,421	687	4,238	398	7,468	11,159	5,125
161	TX A&M U. System Health Science Ctr.	32,949	1,382	0	30,153	196	306	178	734
162	U. ND all campuses	32,092	1,102	10,019	9,071	2,174	2,168	4,871	2,687
163	U. MD Biotechnology Institute	31,276	117	557	23,836	0	3,415	238	3,113
164	Loyola U. Chicago	30,584	231	126	26,662	0	275	0	3,290
165	Jackson State U.	30,472	4,357	4,245	11,475	301	3,657	388	6,049
166	U. WY	29,351	2,379	1,424	7,549	705	9,360	6,238	1,696
167	U. ME	28,951	6,698	493	1,105	506	10,021	3,203	6,925
168	Desert Research Institute	28,655	6,277	8,568	0	1,101	4,525	84	8,100
169	Meharry Medical C.	27,408	872	0	26,437	0	99	0	0
170	C. of William and Mary all campuses	26,898	4,899	737	875	578	8,318	347	11,144
171	Loma Linda U.	26,855	5,617	358	14,365	5,515	0	0	1,000
172	NY Medical C.	25,242	418	0	24,738	0	86	0	0
173	GA State U.	25,204	54	322	11,046	608	6,464	824	5,886
174	Old Dominion U.	24,463	10,467	1,500	1,039	4,940	4,276	48	2,193
175	U. AL, The	24,393	1,068	5,201	5,208	862	6,851	134	5,069

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
176	Morehouse School of Medicine	24,213	156	84	22,104	1,869	0	0	0
177	SUNY Health Science Ctr. Brooklyn	23,466	848	0	22,578	0	40	0	0
178	SUNY Upstate Medical U.	23,275	0	0	0	0	109	40	23,126
179	FL A&M U.	22,378	2,052	405	8,225	632	862	6,823	3,379
180	CUNY The City C.	22,289	3,032	433	9,103	2,087	4,163	68	3,403
181	TX Tech U.	22,071	4,791	1,977	2,358	838	3,947	3,879	4,281
182	U. MO-Rolla	21,772	8,643	4,169	558	1,769	4,823	124	1,686
183	San Jose State U.	21,160	482	60	964	11,725	4,271	0	3,658
184	Lehigh U.	21,061	5,459	2,082	2,212	88	8,980	30	2,210
185	OH U. all campuses	20,736	886	2,470	0	1,015	4,999	42	11,324
186	Wright State U. all campuses	20,527	7,776	659	10,238	339	786	31	698
187	U. TX Dallas	19,933	4,204	334	4,885	3,026	5,620	44	1,820
188	MI Technological U.	19,760	3,549	5,375	327	584	5,073	1,752	3,100
189	Marshall U.	18,660	5,434	72	6,168	2,508	1,190	427	2,861
190	Stevens Institute of Technology	18,626	13,231	906	276	507	3,010	0	696
191	Portland State U.	18,580	910	4,201	4,103	1,036	5,257	769	2,304
192	CUNY Hunter C.	18,544	466	465	14,682	223	2,437	35	236
193	Boston C.	17,801	4,972	721	6,745	94	2,963	7	2,299
194	U. TX Arlington	17,654	5,878	1,483	2,076	224	3,774	9	4,210
195	U. MA Lowell	17,608	6,592	1,180	4,365	1,402	1,959	0	2,110
196	U. North TX Health Science Ctr. Ft. Worth	17,037	65	221	15,943	21	571	37	179
197	Southern IL U. Carbondale	16,975	1,368	1,073	8,389	122	2,961	1,401	1,661
198	U. MO-Kansas City	16,960	502	153	13,916	15	1,605	0	769
199	Brigham Young U. all campuses	16,878	4,872	1,958	3,461	543	4,188	590	1,266
200	U. South AL	16,538	96	560	11,732	0	552	12	3,586
201	IL Institute of Technology	16,493	831	1,689	4,186	277	9,048	239	223
202	NC Agricultural and Technical State U.	16,348	4,110	425	1,346	1,881	2,402	3,883	2,301
203	Catholic U. America, The	16,252	961	6,782	2,467	3,780	1,380	0	882
204	U. LA Lafayette	16,159	834	1,048	3,409	229	767	110	9,762
205	FL Atlantic U.	15,956	4,095	148	5,011	1,578	2,364	0	2,760
206	U. TX San Antonio	15,924	4,372	0	8,991	57	757	6	1,741
207	U. WI Milwaukee	15,893	1,072	680	6,317	137	3,814	404	3,469
208	U. Toledo	15,521	1,046	617	2,049	4,649	2,031	3,359	1,770
209	CO School of Mines	15,501	3,074	3,601	620	3,406	3,288	0	1,512
210	U. SD	15,448	71	42	12,359	0	1,747	101	1,128

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
211	U. TX El Paso	15,378	923	1,197	6,573	1,574	3,631	0	1,480
212	U.S. Air Force Academy	15,165	14,121	0	0	167	793	0	84
213	U. Memphis, The	15,125	968	103	6,587	43	3,598	45	3,781
214	Medical U. OH	14,756	436	0	14,239	0	0	0	81
215	Northern AZ U.	14,547	817	882	3,076	131	3,073	1,651	4,917
216	U. PR Rio Piedras Campus	14,301	465	324	8,094	1,997	3,421	0	0
217	SD State U.	13,914	125	458	723	389	2,722	5,728	3,769
218	U. MD Ctr. for Environmental Science	13,853	367	0	0	469	2,519	140	10,358
219	San Francisco State U.	12,457	101	655	8,719	320	1,872	32	758
220	U. of the VI	12,213	0	3,479	1,883	77	1,459	1,963	3,352
221	ID State U.	12,087	2,842	2,953	2,518	878	1,836	115	945
222	AL A&M U.	12,005	701	160	632	1,872	1,824	6,813	3
223	Western MI U.	11,987	463	3,851	1,670	308	4,137	55	1,503
224	Rochester Institute of Technology	11,620	4,686	287	1,274	2,465	1,127	77	1,704
225	Albany Medical C.	11,525	328	0	11,194	0	3	0	0
226	Clark Atlanta U.	11,346	1,850	1,286	3,242	1,441	2,936	85	506
227	Mercer U. all campuses	11,235	9,437	0	1,598	2	184	0	14
228	East Carolina U.	10,967	1,500	111	6,859	140	1,690	178	489
229	U. PR Mayaguez Campus	10,786	2,555	228	1,592	1,313	1,510	276	3,312
230	SD School of Mines and Technology	10,752	6,395	522	32	914	2,325	98	466
231	U. NC Wilmington	10,665	398	0	2,075	0	1,292	157	6,743
232	SUNY Binghamton	10,494	1,229	300	4,217	52	1,363	53	3,280
233	TN State U.	10,446	341	149	2,526	2,868	1,096	3,368	98
234	U. NC Charlotte	10,362	2,973	119	2,664	38	3,793	0	775
235	U. Akron all campuses	10,246	1,208	396	1,407	1,648	4,331	204	1,052
236	Rosalind Franklin U. of Medicine and Science	9,974	0	0	9,612	43	93	0	226
237	U. MA Dartmouth	9,852	1,721	9	199	1,005	2,428	58	4,432
238	CA State U. Los Angeles	9,797	375	34	3,310	1,476	3,959	0	643
239	Wichita State U.	9,589	1,008	289	1,225	1,012	1,311	0	4,744
240	Worcester Polytechnic Institute	9,424	2,313	1,582	809	129	3,124	30	1,437
241	U. Denver	9,017	1,813	56	4,737	806	1,070	13	522
242	U. HI Hilo	8,998	0	0	0	80	1,300	1,789	5,829
243	U. Tulsa	8,969	1,248	1,543	383	225	2,296	8	3,266
244	U. West FL	8,787	3,292	0	219	1,453	499	19	3,305
245	Polytechnic U.	8,623	2,250	225	0	1,050	3,924	0	1,174

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
246	CA State U. Long Beach	8,577	3,769	90	2,179	0	1,494	18	1,027
247	Universidad Central del Caribe	8,543	0	0	8,163	0	0	0	380
248	Tuskegee U.	8,478	144	115	3,236	488	26	2,787	1,682
249	Prairie View A&M U.	8,464	703	704	629	2,126	766	3,504	32
250	Boise State U.	8,447	1,950	1,214	1,532	102	1,587	393	1,669
251	Southern Methodist U.	8,415	2,292	1,182	2,931	68	1,359	18	565
252	Morgan State U.	8,126	930	394	2,452	3,002	707	96	545
253	Northern IL U.	7,897	852	313	3,366	43	2,076	106	1,141
254	Kent State U. all campuses	7,619	328	668	2,427	193	2,808	0	1,195
255	Cleveland State U.	7,206	0	1,056	1,281	4,012	154	23	680
256	U. North TX	7,003	2,868	562	543	54	2,411	30	535
257	Marquette U.	6,979	297	117	3,643	472	1,232	65	1,153
258	TX Tech U. Health Science Ctr.	6,730	0	0	5,841	0	0	0	889
259	Ponce School of Medicine	6,715	0	0	0	0	0	0	6,715
260	Embry-Riddle Aeronautical U.	6,642	1,167	9	46	1,512	597	0	3,311
261	Bowling Green State U. all campuses	6,418	478	0	2,787	783	1,923	346	101
262	Tarleton State U.	6,386	0	0	0	0	36	5,299	1,051
263	U. MA Boston	6,326	411	114	2,799	0	2,102	20	880
264	Teachers C. Columbia U.	6,187	0	156	3,489	23	840	0	1,679
265	Norfolk State U.	6,055	382	0	0	2,901	1,521	0	1,251
266	Fisk U.	6,000	1,000	2,000	0	2,000	1,000	0	0
267	U.S. Naval Academy	5,987	4,797	60	0	406	158	0	566
268	CA State U. San Bernardino	5,775	3,654	920	60	238	439	178	286
269	CA State Polytechnic U. San Luis Obispo	5,743	869	70	127	195	515	900	3,067
270	CA State U. Northridge	5,719	558	69	3,503	87	1,105	0	397
271	Oakland U.	5,599	1,643	0	2,611	0	1,021	4	320
272	CUNY Queens C.	5,443	281	2,696	1,405	1	832	0	228
273	U. MD Eastern Shore	5,432	0	0	395	150	0	1,071	3,816
274	Alcorn State U.	5,396	0	0	621	0	0	4,173	602
275	LA Tech U.	5,336	641	997	403	194	1,071	312	1,718
276	Ball State U.	5,260	0	0	55	466	923	61	3,755
277	Wesleyan U.	5,180	42	0	3,535	311	1,254	0	38
278	FL Institute of Technology	5,170	9	139	792	798	1,631	0	1,801
279	Southwest MO State U.	5,166	4,087	0	305	0	354	74	346
280	DE State U.	5,048	497	0	1,864	35	700	1,733	219

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
281	East TN State U.	5,015	68	0	4,321	39	210	47	330
282	St. Francis U. (Loretto, PA)	4,981	4,894	87	0	0	0	0	0
283	TX A&M U. Kingsville	4,972	22	283	2,368	105	1,265	729	200
284	Air Force Institute of Technology	4,934	3,599	92	0	7	0	0	1,236
285	Western KY U.	4,915	14	549	901	1,279	561	905	706
286	CA State U. Fresno	4,870	500	0	282	322	215	1,891	1,660
287	TX A&M U. Corpus Christi	4,572	1,188	29	0	247	2,067	56	985
288	U. MO-St. Louis	4,470	275	0	1,498	60	1,809	77	751
289	TX Southern U.	4,426	0	0	2,557	1,474	166	0	229
290	MT Tech of the U. MT	4,315	4	986	1,051	7	141	68	2,058
291	Eastern MI U.	4,156	2,968	0	193	0	933	0	62
292	U. AR Pine Bluff	3,933	152	0	66	0	361	2,920	434
293	U. NC Greensboro	3,876	61	0	1,837	0	1,050	205	723
294	Langston U.	3,848	0	0	0	0	0	3,848	0
295	CA State U. Monterey Bay	3,821	677	0	0	2,356	15	0	773
296	DePaul U.	3,776	0	0	2,933	42	534	49	218
297	Duquesne U.	3,717	0	238	1,996	13	1,216	138	116
298	CUNY Herbert H. Lehman C.	3,711	100	39	3,228	6	287	51	0
299	CA State U. Fullerton	3,570	0	10	1,258	0	2,301	0	1
300	James Madison U.	3,568	17	115	403	210	736	162	1,925
301	TN Technological U.	3,515	155	625	0	467	1,119	21	1,128
302	Rowan U.	3,339	122	2	537	303	1,771	0	604
303	U. PR Humacao U. C.	3,325	0	0	1,514	0	1,562	0	249
304	CUNY Graduate Ctr.	3,297	0	0	1,340	0	1,930	0	27
305	Northeastern OH Universities C. of Medicine	3,267	701	0	2,458	0	89	0	19
306	Morehouse C.	3,196	179	180	2,275	50	320	0	192
307	IL State U.	3,152	355	13	1,009	85	1,456	138	96
308	Central MI U.	3,086	2,169	59	299	0	449	25	85
309	TX Christian U.	3,068	1	62	2,812	50	123	15	5
310	KY State U.	3,044	0	0	71	0	8	2,957	8
311	C. Charleston	3,022	16	57	136	1,001	738	149	925
312	U. TX-Pan American	2,999	707	1	689	27	850	61	664
313	New School, The	2,960	2,536	0	402	0	20	0	2
314	U. DC	2,958	0	0	1,694	0	438	639	187
315	TX State U. San Marcos	2,921	0	0	470	0	387	73	1,991



TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
316	Carleton C.	2,896	0	0	302	0	2,430	42	122
317	U. CA, Merced	2,816	0	561	800	27	1,042	0	386
318	CA State Polytechnic U. Pomona	2,765	0	0	1,949	314	280	171	51
319	CUNY Brooklyn C.	2,694	24	0	2,038	0	613	10	9
320	VA State U.	2,668	150	0	127	0	33	2,340	18
321	Clark U.	2,611	128	314	581	82	1,256	54	196
322	St. Joseph's U.	2,596	0	0	3	0	921	7	1,665
323	Spelman C.	2,576	78	0	2,095	44	359	0	0
324	Ft. Valley State U.	2,492	0	0	0	0	0	2,492	0
325	Alfred U. all campuses	2,454	0	309	482	140	469	0	1,054
326	Wellesley C.	2,429	313	0	1,018	323	688	11	76
327	Savannah State U.	2,421	0	362	457	1	710	0	891
328	Barnard C.	2,342	0	0	1,264	0	1,078	0	0
329	U. Baltimore	2,255	0	0	0	0	0	0	2,255
330	Gallaudet U.	2,138	0	0	1,228	0	0	0	910
331	WV State U.	2,128	0	66	241	45	44	1,732	0
332	CA State U. East Bay	2,122	38	761	203	0	943	0	177
333	Lincoln U. (Jefferson City, MO)	2,093	70	0	0	0	0	1,951	72
334	CA State U. Dominguez Hills	2,051	0	0	810	0	1,027	0	214
335	CA State U. Bakersfield	2,040	200	0	464	0	36	0	1,340
336	Bowie State U.	2,033	0	0	0	1,200	627	0	206
337	Western WA U.	2,023	0	0	239	0	1,595	0	189
338	Albany State U.	2,010	18	0	665	133	316	147	731
339	FL Gulf Coast U.	1,995	0	353	0	3	72	20	1,547
340	SUNY C. of Optometry	1,979	0	0	1,946	0	33	0	0
341	Mt. Holyoke C.	1,869	0	53	91	183	1,532	0	10
342	Seton Hall U.	1,856	0	0	1,055	0	801	0	0
343	Smith C.	1,757	0	15	411	68	1,221	3	39
344	Shaw U.	1,727	0	0	1,415	0	0	0	312
345	Chicago State U.	1,724	0	0	1,724	0	0	0	0
346	Nova Southeastern U.	1,719	45	0	338	0	100	0	1,236
347	GA Southern U.	1,716	30	0	704	28	388	426	140
348	Morehead State U.	1,693	0	0	365	32	36	133	1,127
349	AL State U.	1,685	0	0	1,612	0	73	0	0
350	U. North FL	1,680	704	0	424	2	381	0	169

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
351	Christopher Newport U.	1,673	14	75	0	1,458	126	0	0
352	U. NC Asheville	1,658	0	988	0	0	572	15	83
353	CUNY C. Staten Island	1,646	209	0	0	0	535	0	902
354	U. Richmond	1,615	0	178	200	0	1,196	15	26
355	West TX A&M U.	1,610	0	93	9	0	260	668	580
356	Central State U.	1,579	200	240	10	210	545	0	374
357	Towson U.	1,571	0	0	8	27	533	21	982
358	Ithaca C.	1,558	0	0	12	0	1,370	42	134
359	OR Institute of Technology	1,517	0	559	0	1	107	0	850
360	U. Northern CO	1,509	0	0	373	11	888	37	200
361	Sul Ross State U.	1,506	0	0	0	0	0	1,350	156
362	New England C. of Optometry	1,474	0	55	1,419	0	0	0	0
363	Baylor U.	1,473	165	31	203	47	533	189	305
364	CUNY York C.	1,448	0	22	1,406	20	0	0	0
365	Black Hills State U.	1,445	0	0	1,197	14	234	0	0
366	Bowdoin C.	1,444	0	0	578	17	776	54	19
367	U. WI La Crosse	1,441	29	0	328	18	541	29	496
368	SUNY C. Old Westbury	1,422	0	114	970	0	338	0	0
369	Benedict C.	1,399	0	0	895	0	494	0	10
370	Fordham U.	1,383	0	0	995	0	190	112	86
371	St. John's U. (Jamaica, NY)	1,372	0	0	1,345	0	0	0	27
372	American U.	1,364	0	125	0	293	40	0	906
373	SUNY C. Plattsburgh	1,351	0	0	508	230	240	61	312
374	SUNY C. Buffalo	1,335	66	79	932	0	38	37	183
375	Murray State U.	1,310	11	109	55	19	809	46	261
376	Midwestern U. (Chicago, IL)	1,298	0	0	1,210	0	83	0	5
377	U. of the Pacific	1,292	0	0	515	0	690	0	87
378	Franklin & Marshall C.	1,277	66	0	29	9	1,168	0	5
379	Southeastern LA U.	1,276	0	42	65	0	109	0	1,060
380	Amherst C.	1,270	18	0	111	0	1,043	0	98
381	Lamar U.	1,259	6	0	0	2	83	144	1,024
382	U. Redlands	1,237	1,108	0	0	74	53	2	0
383	Western Carolina U.	1,233	0	0	0	0	7	670	556
384	Swarthmore C.	1,194	0	154	284	53	423	0	280
385	U. San Diego	1,187	73	141	303	29	617	0	24

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
386	Hope C.	1,181	0	0	250	22	846	0	63
387	Hamilton C. (Clinton, NY)	1,138	0	32	288	0	778	0	40
388	Youngstown State U.	1,138	18	353	0	5	442	0	320
389	Hampshire C.	1,110	66	219	0	0	683	0	142
390	Claremont Graduate U.	1,104	0	0	723	0	224	0	157
391	Middle TN State U.	1,084	0	87	87	555	326	4	25
392	AR State U. main campus	1,080	0	0	0	0	470	135	475
393	PA C. of Optometry	1,060	0	0	1,060	0	0	0	0
394	U. LA Monroe	1,051	0	0	881	0	153	0	17
395	Southern IL U. Edwardsville	1,043	40	100	39	0	489	41	334
396	Lafayette C.	1,019	21	0	163	39	644	30	122
397	St. Cloud State U.	1,017	81	0	328	24	260	43	281
398	U. Scranton	1,016	150	804	62	0	0	0	0
399	Furman U.	999	0	92	118	39	498	183	69
400	U. WI Green Bay	999	0	0	0	414	120	0	465
401	Fuller Theological Seminary CA	985	0	0	0	0	0	0	985
402	Philadelphia C. of Osteopathic Medicine	973	0	0	973	0	0	0	0
403	Bryn Mawr C.	966	0	1	232	61	672	0	0
404	Pace U. all campuses	958	4	166	573	0	215	0	0
405	TX Woman's U.	940	0	0	930	0	6	0	4
406	NM Highlands U.	930	0	0	781	118	31	0	0
407	Central WA U.	929	0	3	0	91	308	0	527
408	State U. West GA	913	0	0	39	75	700	69	30
409	Elizabeth City State U.	888	450	0	61	96	64	0	217
410	Stephen F. Austin State U.	887	39	127	9	0	23	472	217
411	Occidental C.	880	0	40	0	0	313	149	378
412	Jacksonville State U.	873	0	0	0	0	828	28	17
413	U. WI Stevens Point	867	8	0	37	0	85	292	445
414	Colby C.	861	0	0	465	0	396	0	0
415	U. IL Springfield	850	0	0	0	0	97	0	753
416	SUNY C. Geneseo	842	19	276	56	0	289	48	154
417	Oberlin C.	841	0	12	58	1	741	0	29
418	SUNY C. Oswego	839	31	0	542	0	11	0	255
419	U. WI Superior	830	0	0	0	0	171	91	568
420	Pomona C.	823	0	0	412	25	366	0	20

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
421	Bates C.	794	0	0	425	0	362	0	7
422	U. WI Eau Claire	791	0	0	136	22	612	0	21
423	Central CT State U.	788	0	0	132	0	503	0	153
424	Monmouth U.	779	537	0	0	0	57	0	185
425	Reed C.	774	130	79	367	0	198	0	0
426	Roger Williams U. Bristol	772	0	0	316	0	221	10	225
427	Northern KY U.	768	0	2	533	58	58	0	117
428	Harvey Mudd C.	767	0	0	15	5	669	0	78
429	U. Hartford	767	0	0	72	633	62	0	0
430	Trinity U.	759	247	0	68	1	443	0	0
431	Rose-Hulman Institute of Technology	741	281	0	122	0	331	0	7
432	Skidmore C.	741	0	0	0	0	394	0	347
433	Macalester C.	739	0	0	6	0	443	37	253
434	Southern OR U.	739	0	0	0	0	456	283	0
435	Bucknell U.	721	21	0	118	64	510	0	8
436	Pittsburg State U.	716	0	0	35	30	10	0	641
437	Calvin C.	714	0	0	461	0	253	0	0
438	Fayetteville State U.	711	275	30	406	0	0	0	0
439	CUNY Medgar Evers C.	701	0	0	141	560	0	0	0
440	Kettering U.	701	157	0	0	56	299	0	189
441	Colgate U.	696	0	0	24	6	666	0	0
442	Nicholls State U.	674	0	542	0	0	16	43	73
443	U.S. Coast Guard Academy	660	0	0	0	0	0	0	660
444	Union C. (Schenectady, NY)	657	0	43	0	0	482	0	132
445	NJ City U.	650	37	0	90	0	223	0	300
446	U. WI Oshkosh	650	0	0	23	0	454	71	102
447	Milwaukee School of Engineering	648	0	0	381	0	267	0	0
448	Evergreen State C.	647	0	0	105	0	542	0	0
449	Western U. of Health Sciences	639	0	0	451	0	0	0	188
450	Northeastern State U.	625	0	0	0	0	0	0	625
451	Sinte Gleska U.	612	0	0	250	95	77	40	150
452	Trinity C. (Hartford, CT)	611	0	0	397	19	195	0	0
453	Augsburg C.	606	0	0	0	35	571	0	0
454	MS Valley State U.	606	0	184	75	17	156	0	174
455	Grinnell C.	603	0	0	0	0	603	0	0

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
456	CO State U. Pueblo	598	0	0	537	0	56	0	5
457	Eastern OR U.	594	0	0	0	0	0	5	589
458	Augustana C. (Sioux Falls, SD)	591	0	0	526	53	1	11	0
459	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	494	0	76	0	0
460	U. Northern IA	569	0	0	42	0	19	319	189
461	Loyola C.	551	0	0	39	21	288	0	203
462	U. San Francisco	545	0	0	333	0	205	0	7
463	IN State U. all campuses	544	6	0	187	105	143	50	53
464	Juniata C.	537	0	14	323	0	75	0	125
465	Gettysburg C.	536	0	0	93	0	431	0	12
466	Vassar C.	535	0	0	32	0	503	0	0
467	Grand Valley State U.	534	0	136	48	0	26	11	313
468	Lincoln U. (Lincoln University, PA)	526	404	0	0	0	0	0	122
469	U. CA Office of the President	519	0	0	0	0	248	0	271
470	CUNY John Jay C. of Criminal Justice	516	0	0	0	0	388	0	128
471	Indiana U. PA all campuses	513	136	0	110	0	4	0	263
472	Appalachian State U.	503	0	0	28	20	317	58	80
473	U. WI Parkside	501	0	0	242	0	244	0	15
474	Whitman C.	499	0	0	0	14	421	12	52
475	Maharishi U. of Management	492	0	0	492	0	0	0	0
476	Hendrix C.	476	0	0	250	24	202	0	0
477	Southeastern OK State U.	475	0	0	362	8	95	10	0
478	Loyola Marymount U.	473	0	0	214	1	111	0	147
479	Coastal Carolina U.	453	17	2	0	8	58	0	368
480	Western IL U.	446	0	0	116	0	212	118	0
481	Sonoma State U.	445	0	0	9	0	82	156	198
482	SUNY C. Brockport	436	0	0	8	0	172	162	94
483	Seattle U.	421	0	0	53	0	368	0	0
484	St. Mary's U. (San Antonio, TX)	405	194	0	0	0	0	0	211
485	Washington and Lee U.	404	0	0	0	0	404	0	0
486	Drake U.	398	0	1	92	72	227	6	0
487	St. Olaf C.	390	0	0	42	0	334	0	14
488	SUNY C. Cortland	386	0	0	16	0	122	67	181
489	McNeese State U.	382	0	0	0	0	0	0	382
490	Valparaiso U.	372	0	178	0	35	148	11	0

TABLE 72. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
491	Gustavus Adolphus C.	368	0	0	0	0	311	0	57
492	Loyola U. New Orleans	367	14	0	0	0	85	0	268
493	Bluefield State C.	359	0	0	359	0	0	0	0
494	Lawrence Technological U.	354	105	0	0	0	132	0	117
495	Albany C. of Pharmacy	351	0	0	351	0	0	0	0
496	Bradley U.	346	0	72	0	0	274	0	0
497	John Carroll U.	345	0	0	0	0	340	0	5
498	A.T. Still U. of Health Sciences	344	0	0	344	0	0	0	0
499	West Chester U. PA	337	0	0	0	12	269	46	10
500	OH Wesleyan U.	325	0	0	210	0	115	0	0
501	U. Houston-Clear Lake	324	0	0	169	36	73	46	0
502	U. Houston-Downtown	317	0	45	69	1	175	0	27
503	Allegheny C.	315	0	0	12	0	297	6	0
504	C. of the Holy Cross	312	0	0	23	18	271	0	0
505	Manhattan C.	312	0	0	108	8	97	0	99
506	Rider U.	308	0	0	60	0	244	0	4
507	Providence C.	306	0	0	0	0	123	0	183
508	St. Mary's C. MD	306	0	0	133	0	58	0	115
509	Chapman U.	303	26	0	0	13	264	0	0
510	Eastern KY U.	294	26	6	157	35	48	6	16
511	Kennesaw State U.	293	0	0	37	0	14	0	242
512	Eastern WA U.	292	88	0	0	0	0	14	190
513	U. WI Stout	285	0	0	0	0	195	0	90
514	U. Puget Sound	281	0	0	82	114	85	0	0
515	U. WI Whitewater	277	0	0	0	54	223	0	0
516	Heritage U. (Toppenish, WA)	266	0	0	266	0	0	0	0
517	Fairfield U.	263	0	15	195	0	50	0	3
518	Rhodes C.	263	1	0	32	0	212	0	18
519	Point Loma Nazarene C.	261	0	0	0	0	261	0	0
520	U. of the Sciences Philadelphia	249	0	0	0	0	34	0	215
521	Kalamazoo C.	244	0	0	98	0	146	0	0
522	U. New Haven	235	85	0	0	0	20	0	130
523	NY Institute of Technology all campuses	230	63	0	0	0	159	0	8
524	Claffin U.	222	0	0	205	0	0	0	17
525	Wabash C.	222	0	0	0	0	222	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
526	Kansas City U. of Medicine and Biosciences	219	44	0	175	0	0	0	0
527	Dickinson C.	212	0	41	0	0	171	0	0
528	Ft. Lewis C.	204	0	0	130	4	0	0	70
529	Augustana C. (Rock Island, IL)	203	0	0	69	0	134	0	0
530	Muhlenberg C.	202	0	0	0	0	202	0	0
531	New C. FL	198	0	0	56	0	1	0	141
532	U. Central OK	198	0	0	0	29	56	0	113
533	Roanoke C.	192	0	23	0	97	72	0	0
534	U. WI River Falls	189	0	0	0	0	152	37	0
535	Truman State U.	187	0	0	0	0	129	29	29
536	Mayville State U.	185	0	0	185	0	0	0	0
537	CUNY Baruch C.	184	0	0	91	0	93	0	0
538	U. of St. Thomas (St. Paul, MN)	182	0	0	39	20	89	13	21
539	U. Portland	178	0	0	53	0	122	0	3
540	Abilene Christian U.	164	0	164	0	0	0	0	0
541	Fitchburg State C.	161	0	0	0	0	161	0	0
542	IL Wesleyan U.	150	0	0	0	0	150	0	0
543	U. TX Tyler	144	0	36	0	0	38	0	70
544	Governors State U.	134	0	0	118	0	16	0	0
545	Lake Forest C.	133	0	0	63	0	70	0	0
546	TX A&M International U.	127	127	0	0	0	0	0	0
547	Andrews U.	122	0	0	0	0	112	10	0
548	Pitzer C.	121	0	0	108	0	13	0	0
549	Simmons C.	108	0	0	36	0	72	0	0
550	Lewis and Clark C.	102	0	0	37	0	0	0	65
551	WV School of Osteopathic Medicine	96	0	0	96	0	0	0	0
552	Bridgewater State C.	95	0	0	0	0	1	0	94
553	TX A&M U. Commerce	71	0	47	0	0	0	0	24
554	U. of the South	68	0	0	0	0	31	0	37
555	Northeastern IL U.	65	0	0	0	0	55	3	7
556	Willamette U.	51	0	0	0	0	51	0	0
557	National U. of Health Sciences	48	0	0	48	0	0	0	0
558	Pacific U.	47	47	0	0	0	0	0	0
559	Wiley C.	45	45	0	0	0	0	0	0
560	VA Military Institute	35	0	0	35	0	0	0	0

TABLE 72. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by agency: FY 2005

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
561	SUNY Fredonia	33	0	0	0	0	10	0	23
562	U. WI Platteville	28	0	27	0	0	0	0	1
563	Saginaw Valley State U.	13	0	0	0	13	0	0	0
	Cooper Union	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.

<sup>a</sup> Includes all other agencies reported.

<sup>b</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.



TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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	28,992,301	952,369	1,680,369	17,554,061	319,593	2,533,080	604,317	675,584	250,254	3,708,185
1	Johns Hopkins U., The <sup>a</sup>	1,277,292	2,618	18,777	531,564	1,061	28,623	5,134	3,539	93	36,481
2	U. WA	606,317	1,901	72,716	420,856	3,994	31,469	8,876	6,230	0	60,275
3	Stanford U.	574,675	17,397	16,881	312,619	5,996	86,352	6,438	6,185	0	122,807
4	U. MI all campuses	554,516	4,231	6,093	337,556	3,379	28,789	10,208	54,590	55	109,615
5	U. WI Madison	477,582	11,791	60,035	257,244	3,891	38,025	24,461	22,408	0	59,727
6	U. CA, Los Angeles	469,889	11,740	10,999	349,587	4,899	40,051	9,845	6,947	2,877	32,944
7	U. PA	465,284	5,739	124	386,272	3,153	25,902	5,537	16,834	3,939	17,784
8	U. CA, San Diego	463,946	44,146	76,924	254,231	2,773	37,162	5,384	4,622	124	38,580
9	MA Institute of Technology	457,235	30,628	24,097	141,176	3,451	99,707	857	2,093	5,959	149,267
10	Columbia U. in the City of NY	453,188	8,476	58,432	309,787	1,509	38,206	4,113	6,226	1,777	24,662
11	U. CO all campuses	449,366	6,485	99,455	240,405	1,878	53,077	10,561	8,194	1,598	27,713
12	U. CA, San Francisco	438,988	0	0	419,367	0	19,621	0	0	0	0
13	U. Pittsburgh all campuses	420,281	3,084	742	362,208	1,658	17,820	7,233	3,198	8,884	15,454
14	Washington U. St. Louis	400,699	3,491	3,313	365,868	492	10,983	4,780	3,161	0	8,611
15	Harvard U.	395,906	393	23,765	288,385	2,366	44,859	7,096	9,755	0	19,287
16	Duke U.	376,568	3,380	7,641	304,532	4,505	14,513	1,514	19,034	0	21,449
17	Cornell U. all campuses	365,694	16,403	3,951	230,308	3,072	55,723	2,670	7,833	0	45,734
18	PA State U. all campuses	358,569	21,739	23,480	95,815	11,081	40,854	11,847	9,153	1,615	142,985
19	Yale U.	332,702	3,857	3,740	293,504	1,086	15,766	4,610	1,033	0	9,106
20	U. Southern CA	330,126	82,915	15,438	175,724	4,386	6,564	3,099	3,717	896	37,387
21	U. NC Chapel Hill	320,294	8,378	13,672	250,489	1,668	18,103	4,703	23,281	0	0
22	U. MN all campuses	319,771	9,501	6,522	234,037	4,993	20,991	8,835	8,913	0	25,979
23	Baylor C. of Medicine	300,638	0	0	300,638	0	0	0	0	0	0
24	OH State U. all campuses	294,053	12,778	6,595	167,697	5,132	20,081	4,992	24,064	3,160	49,554
25	U. AZ	292,811	5,640	7,190	150,285	3,691	88,926	3,398	7,169	0	26,512
26	U. CA, Berkeley	290,960	1,083	5,056	98,172	5,417	98,554	5,551	7,351	4,200	65,576
27	U. IL Urbana-Champaign	289,985	78,081	17,340	60,841	2,395	37,870	8,235	5,505	2,924	76,794
28	U. AL Birmingham, The	288,434	261	0	268,552	557	2,705	8,374	411	0	7,574
29	Vanderbilt U.	281,694	15	247	228,670	1,124	13,376	7,701	2,533	1,292	26,736
30	Scripps Research Institute, The	272,969	0	0	272,969	0	0	0	0	0	0
31	Emory U.	266,868	0	78	255,557	483	8,817	1,590	343	0	0
32	U. Rochester	257,497	2,911	767	160,824	343	9,881	10,609	451	487	71,224
33	U. TX Austin	254,529	31,461	14,336	34,129	11,698	58,142	7,900	13,821	3,115	79,927
34	CA Institute of Technology	249,371	12,157	14,232	40,582	1,426	137,909	0	0	4,330	38,735
35	U. Chicago	245,679	10,841	4,992	176,068	4,609	37,961	6,570	4,469	0	169

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
36	GA Institute of Technology all campuses	245,130	39,080	6,154	7,865	2,612	16,857	1,979	2,142	918	167,523
37	Northwestern U.	244,113	3,030	1,013	163,230	2,263	21,612	2,896	3,635	3,284	43,150
38	U. CA, Davis	240,003	3,662	7,572	183,366	2,608	14,173	996	2,742	1,287	23,597
39	U. FL	231,699	2,985	6,346	143,813	3,521	23,676	8,200	2,537	0	40,621
40	Boston U.	228,842	2,287	3,876	154,782	1,737	20,776	7,298	852	13,884	23,350
41	OR Health & Science U.	217,145	16,063	0	201,082	0	0	0	0	0	0
42	U. IA	216,354	386	1,337	179,196	2,199	12,967	6,103	1,432	0	12,734
43	TX A&M U. all campuses	212,923	3,924	64,192	55,627	7,560	22,756	2,054	2,453	986	53,371
44	Case Western Reserve U.	212,485	161	444	179,810	400	6,965	779	1,536	0	22,390
45	U. Cincinnati all campuses	202,654	0	128	183,916	73	3,301	764	918	0	13,554
46	U. TX Southwestern Medical Ctr. Dallas	202,057	0	0	202,057	0	0	0	0	0	0
47	U. VA all campuses	200,726	6,740	3,638	138,869	1,020	15,145	6,191	1,651	905	26,567
48	U. IL Chicago	198,163	6,344	2,350	156,635	2,198	8,825	4,481	4,614	2,567	10,149
49	U. MD College Park	196,008	17,715	10,236	25,288	3,095	42,744	4,566	35,852	0	56,512
50	NY U.	191,782	5,664	72	150,029	7,662	10,164	12,256	5,147	788	0
51	Mt. Sinai School of Medicine	191,326	0	0	191,326	0	0	0	0	0	0
52	U. HI Manoa	190,137	18,767	48,672	67,321	0	26,669	103	3,894	15,133	9,578
53	Carnegie Mellon U.	173,902	97,313	676	5,177	3,205	8,925	4,648	8,738	419	44,801
54	IN U. all campuses	171,528	4,749	2,246	129,200	2,440	15,954	8,968	6,551	372	1,048
55	U. UT	168,652	9,973	5,325	118,730	1,303	13,823	2,534	251	0	16,713
56	U. CA, Irvine	161,524	6,728	2,995	111,596	1,974	17,794	2,145	3,824	83	14,385
57	U. TX M. D. Anderson Cancer Ctr.	160,953	0	0	143,477	4,963	4,445	5,226	1,866	0	976
58	Yeshiva U.	160,894	0	0	160,894	0	0	0	0	0	0
59	MI State U.	156,461	2,022	891	88,874	3,145	34,833	3,456	12,982	313	9,945
60	U. Miami	156,059	74	40,726	98,491	505	1,984	8,974	3,026	0	2,279
61	CO State U.	154,245	1,329	65,548	56,385	1,867	8,157	3,856	1,748	740	14,615
62	SUNY Buffalo all campuses	151,890	4,881	1,056	109,361	528	8,003	2,911	1,165	0	23,985
63	Purdue U. all campuses	150,351	5,449	4,021	62,788	3,097	14,606	4,416	5,679	5,124	45,171
64	U. of Medicine and Dentistry NJ	143,239	0	0	143,239	0	0	0	0	0	0
65	U. KY all campuses	142,794	2,102	2,311	98,002	4,736	6,438	5,253	2,060	3,344	18,548
66	U. South FL	142,580	0	24,623	91,408	68	2,756	4,515	1,541	643	17,026
67	Wake Forest U.	141,685	132	0	138,951	617	1,948	0	37	0	0
68	Rutgers, The State U. NJ all campuses	137,609	3,412	12,555	70,346	5,078	23,676	4,643	6,143	0	11,756
69	U. CT all campuses	134,347	2,427	6,752	90,532	622	5,944	12,123	3,393	137	12,417
70	U. MA Worcester	130,680	0	0	130,680	0	0	0	0	0	0

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
71	U. NM all campuses	129,557	3,496	3,976	80,016	1,328	8,358	8,818	2,370	2,703	18,492
72	U. MD Baltimore	129,270	0	0	129,270	0	0	0	0	0	0
73	U. NE all campuses	129,216	4,784	2,857	89,389	1,353	6,130	5,346	4,681	2,439	12,237
74	LA State U. all campuses	128,324	976	8,826	90,556	677	15,124	392	2,166	427	9,180
75	SUNY Stony Brook all campuses	125,781	3,242	13,606	69,862	3,015	19,768	4,271	811	0	11,206
76	Dartmouth C.	122,329	2,480	686	89,953	438	4,853	3,601	416	5,408	14,494
77	U. TN all campuses	121,004	4,911	2,141	74,539	672	11,946	265	1,898	3,247	21,385
78	Wayne State U.	120,581	730	62	96,808	409	8,259	3,753	1,232	56	9,272
79	Princeton U.	120,042	5,629	10,916	27,757	2,571	23,850	7,199	6,577	0	35,543
80	U. TX Medical Branch	117,235	0	0	115,343	0	0	0	0	0	1,892
81	U. TX Health Science Ctr. Houston	112,509	0	0	112,509	0	0	0	0	0	0
82	U. KS all campuses	110,768	456	3,511	83,061	707	8,616	765	4,881	978	7,793
83	VA Polytechnic Institute and State U.	109,842	3,003	4,710	40,997	1,731	6,803	1,454	3,141	40	47,963
84	NC State U.	109,128	3,543	6,557	42,988	8,033	10,331	0	2,527	939	34,210
85	OR State U.	109,030	2,386	34,674	49,142	1,538	3,222	155	891	2,124	14,898
86	Medical U. SC	108,196	0	0	108,196	0	0	0	0	0	0
87	FL State U.	105,747	4,892	14,801	17,409	1,664	27,349	9,238	6,811	0	23,583
88	U. CA, Santa Barbara	103,955	8,664	12,792	4,156	731	17,169	2,767	5,210	3,544	48,922
89	SUNY Albany	103,941	2,064	3,358	88,828	30	2,310	862	4,918	0	1,571
90	U. GA	102,966	684	4,644	79,051	1,184	5,193	7,883	3,310	0	1,017
91	Medical C. WI	102,859	0	0	102,859	0	0	0	0	0	0
92	Woods Hole Oceanographic Institution	100,747	0	80,539	0	0	0	0	0	0	20,208
93	Georgetown U.	100,328	250	0	95,516	122	2,489	888	1,063	0	0
94	Tufts U.	98,200	572	204	82,608	620	4,030	2,936	181	0	7,049
95	IA State U.	98,005	2,350	4,466	44,065	5,239	6,986	367	8,776	754	25,002
96	VA Commonwealth U.	97,322	0	445	83,438	435	4,235	3,617	595	0	4,557
97	U. MO-Columbia	96,038	1,471	1,315	72,668	1,112	3,817	5,234	4,201	0	6,220
98	U. TX Health Science Ctr. San Antonio	95,125	0	0	95,125	0	0	0	0	0	0
99	Tulane U.	94,628	1	402	82,388	1,792	1,310	339	2,835	0	5,561
100	AZ State U. main campus	94,545	3,149	11,055	19,869	3,113	13,549	7,959	5,066	2,092	28,693
101	UT State U.	92,660	502	3,235	28,369	517	3,469	1,746	960	2,823	51,039
102	NM State U. all campuses	91,247	2,366	640	14,119	257	9,458	770	2,918	760	59,959
103	Brown U.	90,857	4,683	4,136	54,082	4,033	7,427	1,151	1,627	0	13,718
104	U. AK Fairbanks all campuses	89,637	8,674	49,150	16,428	0	53	150	419	5,117	9,646
105	U. OK all campuses	87,776	670	13,901	57,387	361	5,371	1,192	2,401	0	6,493

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
106	Thomas Jefferson U.	86,171	0	0	86,171	0	0	0	0	0	0
107	Rockefeller U.	85,552	0	0	80,161	1,205	4,186	0	0	0	0
108	MS State U.	84,465	4,000	3,770	35,754	418	5,253	3,288	1,867	5,075	25,040
109	WA State U.	80,222	0	1,436	43,289	549	11,783	1,455	5,418	1,951	14,341
110	U. VT	79,879	0	613	70,034	1,061	1,251	1,181	50	4,635	1,054
111	George Washington U.	78,779	3,014	214	26,500	31,516	2,811	1,554	5,427	0	7,743
112	U. NH	78,653	191	43,379	12,097	779	5,096	114	3,232	329	13,436
113	U. DE	74,721	1,510	8,669	13,070	460	13,940	3,098	3,342	2,908	27,724
114	MT State U. Bozeman	71,604	85	1,319	40,416	970	13,000	0	1,897	5,220	8,697
115	U. MS all campuses	67,603	167	0	44,412	0	16,361	0	89	39	6,535
116	U. Louisville	67,104	233	400	53,420	74	1,634	3,088	522	16	7,717
117	U. MA Amherst	66,921	9,841	2,294	20,757	1,490	18,358	3,304	885	0	9,992
118	U. SC all campuses	65,095	1,011	11,232	21,833	1,339	7,175	4,324	3,347	289	14,545
119	Drexel U.	62,606	1,684	0	30,620	225	2,480	988	0	0	26,609
120	WV U.	62,489	149	4,713	33,616	491	3,783	104	1,114	148	18,371
121	U. CA, Santa Cruz	62,301	1,376	11,270	7,169	336	17,752	369	605	0	23,424
122	U. NV, Reno	60,329	1,070	6,475	32,554	292	9,810	253	575	208	9,092
123	U. AR for Medical Sciences	59,053	0	0	58,661	0	0	392	0	0	0
124	KS State U.	58,821	2,497	241	34,298	434	8,456	357	1,615	2,553	8,370
125	U. Dayton	58,782	285	30	461	42	127	0	0	0	57,837
126	Clemson U.	56,829	710	0	14,472	500	5,556	915	4,671	46	29,959
127	Rice U.	54,735	7,928	1,969	9,584	3,278	16,180	830	373	0	14,593
128	Temple U.	53,987	448	85	38,543	168	3,344	8,251	899	0	2,249
129	U. CA, Riverside	52,919	1,641	4,384	21,939	254	7,044	1,905	801	0	14,951
130	FL International U.	51,328	NA	NA	NA	NA	NA	NA	NA	NA	NA
131	Auburn U. all campuses	51,319	10	1,094	23,550	250	4,975	555	1,154	2,063	17,668
132	U. of Notre Dame	51,072	2,700	0	10,849	1,260	15,252	3,922	1,227	5,357	10,505
133	Uniformed Services U. of the Health Sciences	50,016	0	0	49,950	0	0	66	0	0	0
134	Rush U.	49,150	0	0	47,398	0	0	1,752	0	0	0
135	U. ID	47,212	1,187	2,741	27,667	94	2,847	96	453	1,490	10,637
136	Syracuse U. all campuses	46,945	4,559	1,669	3,044	805	4,759	3,975	7,709	11,008	9,417
137	ND State U. all campuses	46,060	921	117	12,832	19	12,069	2,437	6,472	1,290	9,903
138	St. Louis U. all campuses	44,757	81	855	43,332	0	289	0	78	0	122
139	U. OR	43,564	2,576	2,209	22,730	466	6,460	5,971	3,018	0	134
140	U. MD Baltimore County	43,377	489	15,685	10,588	903	5,343	897	2,461	717	6,294

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
141	Naval Postgraduate School	43,079	4,913	9,558	0	3,643	3,752	0	2,352	7,098	11,763
142	Hampton U.	42,792	0	87	1,197	1,958	815	0	0	4,475	34,260
143	U. AL Huntsville, The	42,358	6,840	5,288	1,154	310	6,561	54	752	1	21,398
144	Rensselaer Polytechnic Institute	42,338	1,929	2,376	967	2,339	5,378	1,044	504	0	27,801
145	U. RI	42,132	645	18,997	12,039	8	697	1,772	19	4,099	3,856
146	Medical C. GA	41,910	0	0	41,910	0	0	0	0	0	0
147	Charles R. Drew U. of Medicine and Science	41,207	0	0	41,207	0	0	0	0	0	0
148	Howard U.	40,020	2,251	0	28,628	251	2,708	1,261	234	235	4,452
149	U. Central FL	40,013	0	7,577	5,270	402	10,870	1,528	462	4,448	9,456
150	Brandeis U.	39,788	1,237	0	24,115	477	4,988	2,472	6,499	0	0
151	U. Houston	37,262	2,761	1,380	11,488	1,298	3,700	6,632	3,189	0	6,814
152	OK State U. all campuses	36,637	178	776	17,528	151	3,048	15	1,409	2,701	10,831
153	Northeastern U.	36,524	1,546	0	7,906	436	10,168	2,013	680	0	13,775
154	George Mason U.	36,475	5,874	8,840	4,318	1,014	1,194	2,054	7,452	0	5,729
155	U. MT, The	36,433	97	1,117	27,899	750	3,365	572	2,631	0	2
156	U. NV, Las Vegas	35,942	143	13,834	4,659	184	3,924	0	4,566	0	8,632
157	NJ Institute of Technology	35,716	940	0	0	1,587	6,510	0	48	5,366	21,265
158	San Diego State U.	35,328	228	1,942	17,201	40	1,288	4,850	720	46	9,013
159	U. Southern MS	34,941	272	13,389	6,946	0	8,301	109	1,127	3,030	1,767
160	U. AR main campus	33,496	0	1,562	13,855	187	8,156	83	995	0	8,658
161	TX A&M U. System Health Science Ctr.	32,949	0	550	30,839	0	0	101	0	0	1,459
162	U. ND all campuses	32,092	29	4,570	12,419	0	732	72	11	388	13,871
163	U. MD Biotechnology Institute	31,276	0	5,275	26,001	0	0	0	0	0	0
164	Loyola U. Chicago	30,584	21	0	26,984	9	251	345	106	2,868	0
165	Jackson State U.	30,472	3,140	4,605	9,472	1,130	3,837	899	158	5,758	1,473
166	U. WY	29,351	238	5,728	15,858	422	2,217	607	870	483	2,928
167	U. ME	28,951	256	8,626	7,856	83	5,636	645	780	399	4,670
168	Desert Research Institute	28,655	0	23,728	1,713	0	0	0	2,108	1,106	0
169	Meharry Medical C.	27,408	0	0	27,408	0	0	0	0	0	0
170	C. of William and Mary all campuses	26,898	1,096	15,466	1,130	246	5,168	148	584	3,060	0
171	Loma Linda U.	26,855	0	0	26,855	0	0	0	0	0	0
172	NY Medical C.	25,242	0	0	25,242	0	0	0	0	0	0
173	GA State U.	25,204	653	147	8,854	76	3,362	8,570	3,517	25	0
174	Old Dominion U.	24,463	573	2,122	1,240	375	2,029	638	295	0	17,191
175	U. AL, The	24,393	1,910	1,380	2,625	115	3,119	2,423	1,870	11	10,940

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
176	Morehouse School of Medicine	24,213	0	0	24,213	0	0	0	0	0	0
177	SUNY Health Science Ctr. Brooklyn	23,466	0	0	23,466	0	0	0	0	0	0
178	SUNY Upstate Medical U.	23,275	0	0	23,275	0	0	0	0	0	0
179	FL A&M U.	22,378	122	3,247	14,134	100	1,654	11	0	0	3,110
180	CUNY The City C.	22,289	445	112	6,862	334	7,787	374	70	0	6,305
181	TX Tech U.	22,071	315	4,576	5,436	356	3,092	211	2,246	0	5,839
182	U. MO-Rolla	21,772	310	3,035	535	0	2,207	0	0	0	15,685
183	San Jose State U.	21,160	0	7,692	242	117	1,404	9,787	256	0	1,662
184	Lehigh U.	21,061	653	1,960	1,894	119	4,123	115	0	0	12,197
185	OH U. all campuses	20,736	108	777	4,327	18	4,387	1,220	751	0	9,148
186	Wright State U. all campuses	20,527	1,592	163	12,630	100	1,401	845	31	0	3,765
187	U. TX Dallas	19,933	3,478	2,713	5,103	31	5,982	402	121	298	1,805
188	MI Technological U.	19,760	1,078	5,522	308	233	1,391	0	94	0	11,134
189	Marshall U.	18,660	0	0	10,141	5	80	0	19	0	8,415
190	Stevens Institute of Technology	18,626	4,925	5,154	357	96	807	0	0	320	6,967
191	Portland State U.	18,580	2,011	3,587	3,498	316	1,674	125	6,257	0	1,112
192	CUNY Hunter C.	18,544	219	244	7,494	0	5,314	5,055	218	0	0
193	Boston C.	17,801	0	5,370	3,539	546	5,726	420	2,200	0	0
194	U. TX Arlington	17,654	0	172	819	270	3,448	1,187	237	0	11,521
195	U. MA Lowell	17,608	299	2,272	3,047	88	6,269	78	1,598	253	3,704
196	U. North TX Health Science Ctr. Ft. Worth	17,037	0	0	17,037	0	0	0	0	0	0
197	Southern IL U. Carbondale	16,975	0	624	12,096	91	874	536	158	1,156	1,440
198	U. MO-Kansas City	16,960	158	0	12,551	24	1,122	2,668	109	0	328
199	Brigham Young U. all campuses	16,878	642	215	3,755	222	3,557	264	565	0	7,658
200	U. South AL	16,538	0	1,231	12,721	168	123	190	874	0	1,231
201	IL Institute of Technology	16,493	1,359	0	4,645	104	4,753	528	0	2	5,102
202	NC Agricultural and Technical State U.	16,348	512	0	5,475	19	833	0	885	0	8,624
203	Catholic U. America, The	16,252	0	0	1,906	0	12,333	694	173	20	1,126
204	U. LA Lafayette	16,159	402	14	11,590	210	41	17	149	2,748	988
205	FL Atlantic U.	15,956	502	408	4,867	560	2,384	591	51	0	6,593
206	U. TX San Antonio	15,924	3,171	335	9,520	82	562	187	522	0	1,545
207	U. WI Milwaukee	15,893	94	3,085	2,650	749	3,310	638	3,305	0	2,062
208	U. Toledo	15,521	0	2,056	3,631	13	3,664	148	68	0	5,941
209	CO School of Mines	15,501	0	1,538	0	809	4,638	0	18	0	8,498
210	U. SD	15,448	169	109	13,769	0	991	208	202	0	0

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
211	U. TX El Paso	15,378	856	2,342	5,549	64	2,420	848	266	9	3,024
212	U.S. Air Force Academy	15,165	1,125	0	341	0	2,608	0	212	0	10,879
213	U. Memphis, The	15,125	0	1,422	1,955	1,128	483	6,634	2,833	0	670
214	Medical U. OH	14,756	0	0	14,756	0	0	0	0	0	0
215	Northern AZ U.	14,547	33	1,344	11,149	17	741	21	857	56	329
216	U. PR Rio Piedras Campus	14,301	0	1,033	4,660	630	6,350	1,490	0	138	0
217	SD State U.	13,914	18	89	10,812	0	418	0	876	82	1,619
218	U. MD Ctr. for Environmental Science	13,853	0	13,853	0	0	0	0	0	0	0
219	San Francisco State U.	12,457	NA	NA	NA	NA	NA	NA	NA	NA	NA
220	U. of the VI	12,213	0	0	7,498	0	0	0	4,638	0	77
221	ID State U.	12,087	752	1,655	3,974	25	4,691	0	397	275	318
222	AL A&M U.	12,005	0	49	9,066	111	2,044	0	0	0	735
223	Western MI U.	11,987	234	1,485	2,973	1,673	4,403	30	170	0	1,019
224	Rochester Institute of Technology	11,620	253	488	1,265	31	4,817	0	205	0	4,561
225	Albany Medical C.	11,525	0	0	11,525	0	0	0	0	0	0
226	Clark Atlanta U.	11,346	589	0	3,061	256	3,746	300	155	1,290	1,949
227	Mercer U. all campuses	11,235	0	0	1,592	0	190	0	14	0	9,439
228	East Carolina U.	10,967	182	761	8,866	97	831	13	138	0	79
229	U. PR Mayaguez Campus	10,786	0	3,407	343	77	2,897	0	69	0	3,993
230	SD School of Mines and Technology	10,752	0	1,598	0	7	68	0	0	829	8,250
231	U. NC Wilmington	10,665	213	5,802	3,205	2	755	655	18	15	0
232	SUNY Binghamton	10,494	383	315	683	83	1,100	2,385	2,241	0	3,304
233	TN State U.	10,446	44	0	4,973	303	764	1	966	0	3,395
234	U. NC Charlotte	10,362	2,106	239	2,623	249	2,744	52	581	3	1,765
235	U. Akron all campuses	10,246	0	290	1,641	455	3,704	60	1,009	0	3,087
236	Rosalind Franklin U. of Medicine and Science	9,974	0	0	9,723	0	0	251	0	0	0
237	U. MA Dartmouth	9,852	34	4,767	1,260	945	796	148	13	0	1,889
238	CA State U. Los Angeles	9,797	12	1,124	2,678	182	3,456	148	356	0	1,841
239	Wichita State U.	9,589	72	33	688	122	1,098	135	304	0	7,137
240	Worcester Polytechnic Institute	9,424	927	0	489	1,117	551	0	184	0	6,156
241	U. Denver	9,017	89	60	2,076	0	2,110	2,032	44	0	2,606
242	U. HI Hilo	8,998	127	580	7,762	0	529	0	0	0	0
243	U. Tulsa	8,969	3,270	163	849	5	992	125	343	0	3,222
244	U. West FL	8,787	6,295	0	1,826	153	32	0	471	0	10
245	Polytechnic U.	8,623	1,900	0	0	300	2,399	0	0	0	4,024

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
246	CA State U. Long Beach	8,577	8	464	2,840	167	740	143	109	266	3,840
247	Universidad Central del Caribe	8,543	0	0	8,543	0	0	0	0	0	0
248	Tuskegee U.	8,478	0	0	5,972	0	185	0	1,463	0	858
249	Prairie View A&M U.	8,464	131	0	4,019	99	992	0	12	0	3,211
250	Boise State U.	8,447	58	3,239	1,121	34	701	0	531	0	2,763
251	Southern Methodist U.	8,415	372	2,149	1,640	304	1,668	1,254	225	0	803
252	Morgan State U.	8,126	286	0	1,026	1,897	795	0	97	4	4,021
253	Northern IL U.	7,897	122	1,017	2,599	146	1,701	1,070	289	0	953
254	Kent State U. all campuses	7,619	390	541	1,992	109	3,144	1,189	254	0	0
255	Cleveland State U.	7,206	23	119	1,585	0	162	45	416	0	4,856
256	U. North TX	7,003	308	972	985	113	1,323	85	368	0	2,849
257	Marquette U.	6,979	99	0	3,414	89	662	260	74	0	2,381
258	TX Tech U. Health Science Ctr.	6,730	0	0	6,730	0	0	0	0	0	0
259	Ponce School of Medicine	6,715	0	0	6,715	0	0	0	0	0	0
260	Embry-Riddle Aeronautical U.	6,642	18	1,097	0	0	0	0	0	2,437	3,090
261	Bowling Green State U. all campuses	6,418	415	495	1,593	23	1,485	1,158	1,249	0	0
262	Tarleton State U.	6,386	30	1,123	4,884	0	349	0	0	0	0
263	U. MA Boston	6,326	174	744	1,448	170	353	916	1,774	654	93
264	Teachers C. Columbia U.	6,187	38	0	2,210	0	0	3,250	689	0	0
265	Norfolk State U.	6,055	989	0	238	821	3,608	0	0	0	399
266	Fisk U.	6,000	0	0	0	0	6,000	0	0	0	0
267	U.S. Naval Academy	5,987	196	308	0	447	1,651	0	121	0	3,264
268	CA State U. San Bernardino	5,775	1,127	250	347	48	308	20	43	3,632	0
269	CA State Polytechnic U. San Luis Obispo	5,743	782	692	1,131	60	170	44	81	2,361	422
270	CA State U. Northridge	5,719	0	512	1,040	210	1,473	920	401	700	463
271	Oakland U.	5,599	204	0	2,220	44	1,359	0	0	0	1,772
272	CUNY Queens C.	5,443	206	254	3,418	0	711	744	110	0	0
273	U. MD Eastern Shore	5,432	0	3,563	1,642	0	77	0	0	0	150
274	Alcorn State U.	5,396	0	0	5,396	0	0	0	0	0	0
275	LA Tech U.	5,336	197	112	1,545	59	573	0	0	0	2,850
276	Ball State U.	5,260	561	0	2,953	57	534	56	1,005	0	94
277	Wesleyan U.	5,180	0	198	2,464	110	1,701	707	0	0	0
278	FL Institute of Technology	5,170	802	558	748	99	1,839	157	0	243	724
279	Southwest MO State U.	5,166	0	68	550	0	4,393	0	0	0	155
280	DE State U.	5,048	0	0	3,812	427	809	0	0	0	0



TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
281	East TN State U.	5,015	121	0	4,554	0	120	84	61	75	0
282	St. Francis U. (Loretto, PA)	4,981	0	87	4,894	0	0	0	0	0	0
283	TX A&M U. Kingsville	4,972	0	258	3,230	0	31	0	0	0	1,453
284	Air Force Institute of Technology	4,934	543	43	0	182	1,900	0	0	406	1,860
285	Western KY U.	4,915	0	48	1,372	10	3,020	421	33	11	0
286	CA State U. Fresno	4,870	0	1,344	2,360	0	142	155	35	0	834
287	TX A&M U. Corpus Christi	4,572	526	1,135	1,055	1,415	165	0	0	163	113
288	U. MO-St. Louis	4,470	0	0	2,194	161	923	381	811	0	0
289	TX Southern U.	4,426	0	0	3,024	25	1,169	0	0	199	9
290	MT Tech of the U. MT	4,315	0	1,079	753	0	374	0	0	0	2,109
291	Eastern MI U.	4,156	0	48	670	0	204	166	120	0	2,948
292	U. AR Pine Bluff	3,933	361	0	3,416	0	140	0	16	0	0
293	U. NC Greensboro	3,876	0	0	2,547	138	655	397	139	0	0
294	Langston U.	3,848	0	0	3,848	0	0	0	0	0	0
295	CA State U. Monterey Bay	3,821	218	2,692	531	0	0	0	0	0	380
296	DePaul U.	3,776	438	49	112	1	86	2,818	270	2	0
297	Duquesne U.	3,717	0	0	2,493	136	1,047	0	41	0	0
298	CUNY Herbert H. Lehman C.	3,711	84	0	1,580	203	125	1,699	20	0	0
299	CA State U. Fullerton	3,570	0	99	1,008	0	10	53	2,400	0	0
300	James Madison U.	3,568	1,892	3	957	98	272	5	102	1	238
301	TN Technological U.	3,515	141	18	677	100	154	81	0	0	2,344
302	Rowan U.	3,339	0	0	58	548	428	604	175	0	1,526
303	U. PR Humacao U. C.	3,325	0	0	170	220	2,935	0	0	0	0
304	CUNY Graduate Ctr.	3,297	1,018	0	15	66	193	0	977	1,028	0
305	Northeastern OH Universities C. of Medicine	3,267	0	0	3,267	0	0	0	0	0	0
306	Morehouse C.	3,196	32	0	625	4	597	394	1,544	0	0
307	IL State U.	3,152	0	21	2,481	36	465	61	88	0	0
308	Central MI U.	3,086	0	62	243	46	2,469	38	0	3	225
309	TX Christian U.	3,068	44	0	168	0	387	2,462	6	0	1
310	KY State U.	3,044	0	8	2,957	0	0	0	0	0	79
311	C. Charleston	3,022	26	2,010	259	51	288	34	78	276	0
312	U. TX-Pan American	2,999	414	171	1,051	138	0	112	0	0	1,113
313	New School, The	2,960	2,536	0	250	0	0	157	17	0	0
314	U. DC	2,958	0	187	1,519	0	465	0	787	0	0
315	TX State U. San Marcos	2,921	241	72	543	146	1,919	0	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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
316	Carleton C.	2,896	0	1,270	999	83	454	90	0	0	0
317	U. CA, Merced	2,816	0	612	1,080	0	388	0	0	0	736
318	CA State Polytechnic U. Pomona	2,765	0	0	2,448	0	0	0	0	0	317
319	CUNY Brooklyn C.	2,694	657	0	349	0	223	1,300	165	0	0
320	VA State U.	2,668	0	0	2,518	0	150	0	0	0	0
321	Clark U.	2,611	0	640	700	33	717	378	143	0	0
322	St. Joseph's U.	2,596	347	0	506	75	3	0	0	1,665	0
323	Spelman C.	2,576	62	0	1,507	74	585	348	0	0	0
324	Ft. Valley State U.	2,492	0	0	2,492	0	0	0	0	0	0
325	Alfred U. all campuses	2,454	0	0	0	0	0	482	0	0	1,972
326	Wellesley C.	2,429	0	12	561	34	451	13	162	1,196	0
327	Savannah State U.	2,421	0	1,464	457	0	0	0	0	0	500
328	Barnard C.	2,342	0	81	215	122	319	1,574	31	0	0
329	U. Baltimore	2,255	0	0	0	0	0	0	2,255	0	0
330	Gallaudet U.	2,138	0	0	643	0	0	1,495	0	0	0
331	WV State U.	2,128	65	24	1,973	0	66	0	0	0	0
332	CA State U. East Bay	2,122	0	177	656	0	1,050	0	0	0	239
333	Lincoln U. (Jefferson City, MO)	2,093	0	234	1,821	0	0	0	38	0	0
334	CA State U. Dominguez Hills	2,051	214	85	805	626	316	5	0	0	0
335	CA State U. Bakersfield	2,040	200	235	1,479	0	126	0	0	0	0
336	Bowie State U.	2,033	1,835	0	198	0	0	0	0	0	0
337	Western WA U.	2,023	0	851	566	32	285	211	69	0	9
338	Albany State U.	2,010	20	169	929	47	32	0	406	60	347
339	FL Gulf Coast U.	1,995	0	1,225	92	0	678	0	0	0	0
340	SUNY C. of Optometry	1,979	0	0	1,979	0	0	0	0	0	0
341	Mt. Holyoke C.	1,869	153	550	101	258	722	85	0	0	0
342	Seton Hall U.	1,856	0	0	1,187	138	531	0	0	0	0
343	Smith C.	1,757	301	21	476	16	257	204	12	224	246
344	Shaw U.	1,727	0	284	1,443	0	0	0	0	0	0
345	Chicago State U.	1,724	0	0	0	0	0	0	0	1,724	0
346	Nova Southeastern U.	1,719	0	1,336	101	0	0	282	0	0	0
347	GA Southern U.	1,716	35	433	1,031	30	157	30	0	0	0
348	Morehead State U.	1,693	0	5	613	23	4	225	667	0	156
349	AL State U.	1,685	0	0	1,612	0	0	0	73	0	0
350	U. North FL	1,680	0	0	730	35	609	70	55	0	181

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
351	Christopher Newport U.	1,673	0	0	243	174	1,197	59	0	0	0
352	U. NC Asheville	1,658	0	1,055	45	0	528	0	16	14	0
353	CUNY C. Staten Island	1,646	0	0	594	212	615	46	0	0	179
354	U. Richmond	1,615	0	0	638	10	793	122	52	0	0
355	West TX A&M U.	1,610	0	183	656	0	0	0	23	0	748
356	Central State U.	1,579	79	79	158	0	79	0	79	0	1,105
357	Towson U.	1,571	100	0	181	0	360	0	930	0	0
358	Ithaca C.	1,558	0	0	393	1,092	0	73	0	0	0
359	OR Institute of Technology	1,517	107	14	0	0	0	0	0	0	1,396
360	U. Northern CO	1,509	0	91	611	6	11	0	318	472	0
361	Sul Ross State U.	1,506	0	934	506	0	0	0	66	0	0
362	New England C. of Optometry	1,474	0	0	1,474	0	0	0	0	0	0
363	Baylor U.	1,473	70	215	90	28	479	77	90	149	275
364	CUNY York C.	1,448	0	0	1,406	0	42	0	0	0	0
365	Black Hills State U.	1,445	0	16	1,429	0	0	0	0	0	0
366	Bowdoin C.	1,444	57	31	905	45	221	184	1	0	0
367	U. WI La Crosse	1,441	265	0	395	0	320	0	461	0	0
368	SUNY C. Old Westbury	1,422	0	0	685	0	737	0	0	0	0
369	Benedict C.	1,399	0	10	895	96	0	0	0	0	398
370	Fordham U.	1,383	0	0	519	0	0	570	294	0	0
371	St. John's U. (Jamaica, NY)	1,372	0	0	115	0	346	884	0	27	0
372	American U.	1,364	0	0	84	154	334	404	347	41	0
373	SUNY C. Plattsburgh	1,351	0	536	61	4	750	0	0	0	0
374	SUNY C. Buffalo	1,335	0	994	0	0	79	210	52	0	0
375	Murray State U.	1,310	0	696	410	52	43	0	0	0	109
376	Midwestern U. (Chicago, IL)	1,298	0	0	1,298	0	0	0	0	0	0
377	U. of the Pacific	1,292	0	0	730	0	475	0	87	0	0
378	Franklin & Marshall C.	1,277	0	144	181	1	930	21	0	0	0
379	Southeastern LA U.	1,276	0	0	1,091	0	147	0	38	0	0
380	Amherst C.	1,270	0	60	378	20	640	74	98	0	0
381	Lamar U.	1,259	40	491	0	0	25	0	0	260	443
382	U. Redlands	1,237	0	1,110	16	0	111	0	0	0	0
383	Western Carolina U.	1,233	106	0	315	0	0	276	499	0	37
384	Swarthmore C.	1,194	19	0	133	0	449	336	33	88	136
385	U. San Diego	1,187	0	29	337	0	821	0	0	0	0

TABLE 73. Federally financed R&amp;D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&amp;D expenditures, by science and engineering field: FY 2005

(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
386	Hope C.	1,181	108	78	558	47	258	0	0	0	132
387	Hamilton C. (Clinton, NY)	1,138	0	281	117	0	431	266	43	0	0
388	Youngstown State U.	1,138	0	0	219	36	622	0	18	0	243
389	Hampshire C.	1,110	208	148	411	0	57	0	67	219	0
390	Claremont Graduate U.	1,104	124	0	0	0	0	898	82	0	0
391	Middle TN State U.	1,084	43	0	118	54	303	0	11	0	555
392	AR State U. main campus	1,080	0	40	426	0	598	0	0	0	16
393	PA C. of Optometry	1,060	0	0	1,060	0	0	0	0	0	0
394	U. LA Monroe	1,051	0	0	914	0	0	0	0	137	0
395	Southern IL U. Edwardsville	1,043	47	174	182	56	298	0	5	138	143
396	Lafayette C.	1,019	0	51	86	0	289	9	103	0	481
397	St. Cloud State U.	1,017	0	97	567	8	93	0	252	0	0
398	U. Scranton	1,016	0	0	784	0	232	0	0	0	0
399	Furman U.	999	37	173	319	0	439	31	0	0	0
400	U. WI Green Bay	999	0	858	0	0	0	0	141	0	0
401	Fuller Theological Seminary CA	985	0	0	0	0	0	985	0	0	0
402	Philadelphia C. of Osteopathic Medicine	973	0	0	973	0	0	0	0	0	0
403	Bryn Mawr C.	966	0	246	277	211	203	28	1	0	0
404	Pace U. all campuses	958	15	120	628	25	4	0	0	0	166
405	TX Woman's U.	940	0	0	852	0	0	0	6	82	0
406	NM Highlands U.	930	0	34	22	0	621	253	0	0	0
407	Central WA U.	929	0	591	19	34	18	0	267	0	0
408	State U. West GA	913	28	200	361	0	294	0	30	0	0
409	Elizabeth City State U.	888	0	217	125	450	0	0	0	0	96
410	Stephen F. Austin State U.	887	0	0	731	0	0	0	23	133	0
411	Occidental C.	880	0	119	6	0	233	0	522	0	0
412	Jacksonville State U.	873	0	28	828	0	0	0	0	17	0
413	U. WI Stevens Point	867	78	208	530	0	51	0	0	0	0
414	Colby C.	861	115	35	337	0	368	0	6	0	0
415	U. IL Springfield	850	0	0	0	0	97	0	747	6	0
416	SUNY C. Geneseo	842	172	0	48	145	421	56	0	0	0
417	Oberlin C.	841	0	102	216	0	480	43	0	0	0
418	SUNY C. Oswego	839	45	68	6	8	31	542	66	73	0
419	U. WI Superior	830	0	659	0	171	0	0	0	0	0
420	Pomona C.	823	8	25	318	11	54	381	26	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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
421	Bates C.	794	0	151	425	8	206	0	4	0	0
422	U. WI Eau Claire	791	93	103	135	10	396	54	0	0	0
423	Central CT State U.	788	0	0	166	0	512	0	110	0	0
424	Monmouth U.	779	665	57	0	0	57	0	0	0	0
425	Reed C.	774	0	0	253	0	213	277	31	0	0
426	Roger Williams U. Bristol	772	0	344	316	0	112	0	0	0	0
427	Northern KY U.	768	0	0	360	0	104	192	112	0	0
428	Harvey Mudd C.	767	NA	NA	NA	NA	NA	NA	NA	NA	NA
429	U. Hartford	767	62	0	0	0	0	60	12	0	633
430	Trinity U.	759	0	22	403	68	197	68	0	0	1
431	Rose-Hulman Institute of Technology	741	28	0	0	0	439	0	0	0	274
432	Skidmore C.	741	0	0	700	0	0	41	0	0	0
433	Macalester C.	739	0	20	278	194	241	6	0	0	0
434	Southern OR U.	739	0	61	308	0	293	0	77	0	0
435	Bucknell U.	721	0	1	87	0	288	0	19	0	326
436	Pittsburg State U.	716	0	0	79	0	26	0	0	0	611
437	Calvin C.	714	14	11	218	7	128	280	0	56	0
438	Fayetteville State U.	711	0	0	0	0	30	275	406	0	0
439	CUNY Medgar Evers C.	701	67	488	141	0	5	0	0	0	0
440	Kettering U.	701	18	0	0	0	0	0	0	0	683
441	Colgate U.	696	0	270	115	2	167	115	27	0	0
442	Nicholls State U.	674	0	0	106	25	1	0	0	0	542
443	U.S. Coast Guard Academy	660	0	0	0	0	0	0	0	0	660
444	Union C. (Schenectady, NY)	657	0	29	204	27	68	0	0	0	329
445	NJ City U.	650	134	89	390	0	37	0	0	0	0
446	U. WI Oshkosh	650	21	0	518	0	104	5	0	2	0
447	Milwaukee School of Engineering	648	0	0	381	0	0	0	0	0	267
448	Evergreen State C.	647	107	230	105	0	0	0	0	205	0
449	Western U. of Health Sciences	639	0	0	639	0	0	0	0	0	0
450	Northeastern State U.	625	0	0	625	0	0	0	0	0	0
451	Sinte Gleska U.	612	0	306	5	0	51	0	250	0	0
452	Trinity C. (Hartford, CT)	611	19	11	100	0	41	287	76	0	77
453	Augsburg C.	606	95	509	0	2	0	0	0	0	0
454	MS Valley State U.	606	157	0	259	0	81	0	0	0	109
455	Grinnell C.	603	0	0	347	97	0	159	0	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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
456	CO State U. Pueblo	598	0	0	379	0	163	0	0	0	56
457	Eastern OR U.	594	32	160	279	0	123	0	0	0	0
458	Augustana C. (Sioux Falls, SD)	591	53	0	537	0	0	0	1	0	0
459	Mt. St. Mary's C. (Los Angeles, CA)	570	0	0	494	0	76	0	0	0	0
460	U. Northern IA	569	61	14	371	0	33	0	90	0	0
461	Loyola C.	551	317	0	0	55	73	0	106	0	0
462	U. San Francisco	545	59	0	0	0	124	333	29	0	0
463	IN State U. all campuses	544	0	291	70	0	7	173	3	0	0
464	Juniata C.	537	0	121	323	0	93	0	0	0	0
465	Gettysburg C.	536	0	0	244	0	184	93	15	0	0
466	Vassar C.	535	NA	NA	NA	NA	NA	NA	NA	NA	NA
467	Grand Valley State U.	534	6	279	37	0	28	48	0	0	136
468	Lincoln U. (Lincoln University, PA)	526	0	0	404	0	122	0	0	0	0
469	U. CA Office of the President	519	0	0	251	0	0	0	0	268	0
470	CUNY John Jay C. of Criminal Justice	516	0	0	0	5	0	511	0	0	0
471	Indiana U. PA all campuses	513	102	4	5	0	1	47	321	0	33
472	Appalachian State U.	503	0	52	127	0	238	28	58	0	0
473	U. WI Parkside	501	143	2	300	0	34	22	0	0	0
474	Whitman C.	499	0	234	182	0	83	0	0	0	0
475	Maharishi U. of Management	492	0	0	492	0	0	0	0	0	0
476	Hendrix C.	476	0	61	73	0	245	0	0	0	97
477	Southeastern OK State U.	475	0	0	160	0	315	0	0	0	0
478	Loyola Marymount U.	473	0	0	111	11	55	241	0	0	55
479	Coastal Carolina U.	453	0	407	0	0	46	0	0	0	0
480	Western IL U.	446	0	0	49	6	391	0	0	0	0
481	Sonoma State U.	445	99	0	238	0	9	0	0	0	99
482	SUNY C. Brockport	436	0	1	422	0	0	8	0	5	0
483	Seattle U.	421	0	24	53	0	270	0	0	0	74
484	St. Mary's U. (San Antonio, TX)	405	0	0	0	0	0	0	0	0	405
485	Washington and Lee U.	404	50	0	172	4	175	0	3	0	0
486	Drake U.	398	0	73	95	0	159	29	0	42	0
487	St. Olaf C.	390	0	0	205	0	182	3	0	0	0
488	SUNY C. Cortland	386	0	74	250	0	16	0	46	0	0
489	McNeese State U.	382	0	372	0	0	0	10	0	0	0
490	Valparaiso U.	372	0	0	33	37	240	0	0	0	62

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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
491	Gustavus Adolphus C.	368	0	96	114	38	110	0	10	0	0
492	Loyola U. New Orleans	367	0	0	165	10	75	117	0	0	0
493	Bluefield State C.	359	0	0	359	0	0	0	0	0	0
494	Lawrence Technological U.	354	0	0	0	0	0	0	0	0	354
495	Albany C. of Pharmacy	351	0	0	351	0	0	0	0	0	0
496	Bradley U.	346	16	0	98	0	212	0	0	0	20
497	John Carroll U.	345	0	0	119	221	0	0	5	0	0
498	A.T. Still U. of Health Sciences	344	0	0	344	0	0	0	0	0	0
499	West Chester U. PA	337	0	10	231	84	12	0	0	0	0
500	OH Wesleyan U.	325	0	0	162	0	0	163	0	0	0
501	U. Houston-Clear Lake	324	105	0	173	46	0	0	0	0	0
502	U. Houston-Downtown	317	70	0	174	26	47	0	0	0	0
503	Allegheny C.	315	0	9	158	0	147	0	0	1	0
504	C. of the Holy Cross	312	13	0	0	98	77	124	0	0	0
505	Manhattan C.	312	0	0	0	0	8	0	0	0	304
506	Rider U.	308	0	0	307	0	0	0	1	0	0
507	Providence C.	306	0	123	183	0	0	0	0	0	0
508	St. Mary's C. MD	306	0	124	45	0	4	133	0	0	0
509	Chapman U.	303	33	59	198	0	13	0	0	0	0
510	Eastern KY U.	294	0	8	221	0	51	8	6	0	0
511	Kennesaw State U.	293	0	0	242	14	37	0	0	0	0
512	Eastern WA U.	292	0	42	106	0	0	0	144	0	0
513	U. WI Stout	285	0	0	47	148	0	0	0	90	0
514	U. Puget Sound	281	0	49	0	0	0	0	118	114	0
515	U. WI Whitewater	277	0	2	145	0	128	0	2	0	0
516	Heritage U. (Toppenish, WA)	266	0	0	266	0	0	0	0	0	0
517	Fairfield U.	263	0	0	3	0	65	41	100	54	0
518	Rhodes C.	263	0	0	239	0	6	17	1	0	0
519	Point Loma Nazarene C.	261	0	0	31	0	230	0	0	0	0
520	U. of the Sciences Philadelphia	249	0	0	249	0	0	0	0	0	0
521	Kalamazoo C.	244	0	0	142	47	55	0	0	0	0
522	U. New Haven	235	0	0	31	20	0	0	184	0	0
523	NY Institute of Technology all campuses	230	0	0	159	0	0	0	0	0	71
524	Claffin U.	222	0	0	222	0	0	0	0	0	0
525	Wabash C.	222	0	0	0	34	145	0	43	0	0

TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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	Kansas City U. of Medicine and Biosciences	219	0	0	219	0	0	0	0	0	0
527	Dickinson C.	212	8	0	71	13	120	0	0	0	0
528	Ft. Lewis C.	204	0	10	190	0	4	0	0	0	0
529	Augustana C. (Rock Island, IL)	203	0	48	69	0	86	0	0	0	0
530	Muhlenberg C.	202	0	0	190	0	12	0	0	0	0
531	New C. FL	198	0	0	56	0	142	0	0	0	0
532	U. Central OK	198	0	0	81	0	0	0	0	0	117
533	Roanoke C.	192	0	0	23	0	169	0	0	0	0
534	U. WI River Falls	189	0	4	33	0	152	0	0	0	0
535	Truman State U.	187	0	0	96	70	21	0	0	0	0
536	Mayville State U.	185	0	0	185	0	0	0	0	0	0
537	CUNY Baruch C.	184	0	0	76	4	0	104	0	0	0
538	U. of St. Thomas (St. Paul, MN)	182	0	0	93	0	68	0	0	0	21
539	U. Portland	178	0	55	53	67	3	0	0	0	0
540	Abilene Christian U.	164	0	0	0	0	164	0	0	0	0
541	Fitchburg State C.	161	0	0	161	0	0	0	0	0	0
542	IL Wesleyan U.	150	0	0	48	0	92	10	0	0	0
543	U. TX Tyler	144	0	0	36	0	0	0	0	0	108
544	Governors State U.	134	0	0	118	0	16	0	0	0	0
545	Lake Forest C.	133	0	0	133	0	0	0	0	0	0
546	TX A&M International U.	127	0	107	20	0	0	0	0	0	0
547	Andrews U.	122	0	0	10	68	44	0	0	0	0
548	Pitzer C.	121	0	0	0	13	0	108	0	0	0
549	Simmons C.	108	0	0	36	0	72	0	0	0	0
550	Lewis and Clark C.	102	0	0	65	0	37	0	0	0	0
551	WV School of Osteopathic Medicine	96	0	0	96	0	0	0	0	0	0
552	Bridgewater State C.	95	0	0	0	0	1	0	0	94	0
553	TX A&M U. Commerce	71	0	0	5	0	47	19	0	0	0
554	U. of the South	68	25	5	1	0	0	0	37	0	0
555	Northeastern IL U.	65	0	7	3	55	0	0	0	0	0
556	Willamette U.	51	0	0	2	0	49	0	0	0	0
557	National U. of Health Sciences	48	0	0	48	0	0	0	0	0	0
558	Pacific U.	47	0	0	0	0	47	0	0	0	0
559	Wiley C.	45	0	0	0	0	45	0	0	0	0
560	VA Military Institute	35	0	0	0	0	35	0	0	0	0



TABLE 73. Federally financed R&D expenditures at universities and colleges reporting federal agency detail, ranked by federal R&D expenditures, by science and engineering field: FY 2005

(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
561	SUNY Fredonia	33	0	0	3	0	30	0	0	0	0
562	U. WI Platteville	28	0	0	0	0	27	0	0	1	0
563	Saginaw Valley State U.	13	7	0	0	1	5	0	0	0	0
	Cooper Union	0	0	0	0	0	0	0	0	0	0

NA = not available; data were not provided by institution.

nec = not elsewhere classified.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005

(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	2,614,734	301,533	141,092	428,402	41,016	319,255	28,774	25,404	45,875	1,277,581
1	PA State U. all campuses	146,070	18,496	2,979	2,751	7,479	13,712	162	4	0	100,487
2	GA Institute of Technology all campuses	134,047	27,160	239	2,314	75	5,616	494	46	0	98,103
3	MA Institute of Technology	86,245	11,283	3,972	1,284	142	3,470	0	40	76	65,978
4	U. TX Austin	75,730	19,503	500	227	418	21,172	232	652	0	33,026
5	U. Southern CA	66,165	50,201	354	4,275	406	785	150	85	0	9,909
6	Carnegie Mellon U.	63,307	42,019	0	0	166	1,078	1,235	505	0	18,304
7	Stanford U.	60,013	4,995	469	4,709	1,352	14,513	0	995	0	32,980
8	U. MI all campuses	59,940	241	0	20,120	98	2,596	247	27	0	36,611
9	U. Dayton	54,348	162	0	16	0	38	0	0	0	54,132
10	U. HI Manoa	53,109	18,511	6,666	4,197	0	14,798	0	85	1,123	7,729
11	U. MD College Park	40,598	4,991	127	30	428	4,671	405	8,639	0	21,307
12	U. IL Urbana-Champaign	38,587	7,402	700	804	203	3,420	657	618	471	24,312
13	Uniformed Services U. of the Health Sciences	37,632	0	0	37,566	0	0	66	0	0	0
14	Naval Postgraduate School	34,535	2,708	7,144	0	3,156	3,292	0	1,657	6,977	9,601
15	U. CA, Santa Barbara	33,924	812	338	24	0	1,459	325	110	0	30,856
16	U. CA, San Diego	32,109	11	15,572	1,767	654	2,121	174	553	0	11,257
17	U. CA, Los Angeles	31,142	2,078	216	7,643	988	4,343	21	0	100	15,753
18	U. CA, Berkeley	30,813	0	0	1,236	240	5,249	0	32	10	24,046
19	NM State U. all campuses	29,625	670	0	0	82	496	33	502	0	27,842
20	OH State U. all campuses	27,145	4,410	501	4,676	203	1,160	0	360	0	15,835
21	TX A&M U. all campuses	23,880	866	695	748	2,278	3,163	94	0	0	16,036
22	UT State U.	23,823	167	538	170	0	977	0	15	0	21,956
23	U. WI Madison	23,235	1,101	1,339	8,602	248	1,329	306	0	0	10,310
24	MS State U.	22,802	2,792	2,224	24	36	1,015	1,027	247	3,021	12,416
25	U. South FL	22,774	0	10,680	8,298	0	203	0	0	0	3,593
26	Duke U.	21,380	237	560	9,222	68	3,762	0	0	0	7,531
27	Northwestern U.	21,196	1,373	0	3,660	980	6,533	252	57	305	8,036
28	Harvard U.	21,032	0	546	3,489	15	11,772	81	0	0	5,129
29	Princeton U.	20,497	856	349	149	317	2,591	679	0	0	15,556
30	AZ State U. main campus	20,121	901	0	2,168	624	1,278	257	0	22	14,871
31	Purdue U. all campuses	20,059	1,487	251	2,049	163	505	1,161	1,282	1,395	11,766
32	U. FL	19,710	916	188	3,628	1	4,136	320	0	0	10,521
33	ND State U. all campuses	18,896	117	0	293	0	9,178	411	0	0	8,897
34	FL State U.	18,457	1,898	1,581	29	275	772	0	107	0	13,795
35	Vanderbilt U.	17,884	0	0	1,568	34	4,090	153	0	0	12,039

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 2005

(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
36	Johns Hopkins U., The <sup>a</sup>	17,850	706	619	8,277	357	1,592	0	0	0	6,299
37	SUNY Buffalo all campuses	17,497	323	57	4,644	0	3,422	0	135	0	8,916
38	VA Polytechnic Institute and State U.	16,975	526	375	4,935	296	1,035	0	0	0	9,808
39	U. CO all campuses	16,379	295	1,062	1,975	206	5,560	1,226	0	899	5,156
40	Cornell U. all campuses	16,102	4,972	88	2,667	0	630	130	0	0	7,615
41	U. AZ	15,872	1,121	119	2,504	2,110	3,510	27	44	0	6,437
42	Georgetown U.	15,439	122	0	14,966	0	351	0	0	0	0
43	U. Central FL	15,339	0	0	836	204	7,139	1,141	0	4,309	1,710
44	NY U.	15,233	1,253	0	4,290	1,241	330	7,854	0	265	0
45	U. MS all campuses	14,904	0	0	340	0	12,898	0	39	0	1,627
46	Drexel U.	14,551	172	0	392	14	9	0	0	0	13,964
47	U. AL Huntsville, The	14,381	3,041	5	0	137	416	0	284	0	10,498
48	U. VA all campuses	14,270	1,577	133	2,540	40	867	453	0	0	8,660
49	U.S. Air Force Academy	14,121	1,082	0	341	0	1,815	0	185	0	10,698
50	U. MN all campuses	13,967	4,830	358	2,491	125	963	60	6	0	5,134
51	Boston U.	13,682	229	68	2,415	100	1,297	28	0	4,502	5,043
52	U. SC all campuses	13,495	154	808	711	632	948	10	482	0	9,750
53	U. DE	13,494	10	619	455	246	989	0	1	0	11,174
54	U. NM all campuses	13,293	134	0	2,998	164	1,889	250	319	0	7,539
55	U. Miami	13,266	0	9,444	2,988	14	550	0	0	0	270
56	Stevens Institute of Technology	13,231	3,612	4,177	0	0	231	0	0	113	5,098
57	U. PA	13,192	2,101	0	5,686	1,106	1,792	0	0	0	2,507
58	Brown U.	13,117	76	35	1,858	1,292	929	0	0	0	8,927
59	U. CA, Riverside	12,470	242	42	186	28	210	0	0	0	11,762
60	Woods Hole Oceanographic Institution	12,300	0	3,646	0	0	0	0	0	0	8,654
61	U. Pittsburgh all campuses	12,110	240	0	6,921	23	2,416	57	77	1,002	1,374
62	CO State U.	11,737	625	8,093	1,322	57	409	0	0	0	1,231
63	Wayne State U.	11,590	215	0	5,160	30	590	0	0	0	5,595
64	U. TX M. D. Anderson Cancer Ctr.	11,496	0	0	11,284	100	9	103	0	0	0
65	U. NE all campuses	11,392	1,326	44	4,868	56	1,619	6	0	0	3,473
66	Rice U.	11,357	258	0	1,972	262	5,061	92	0	0	3,712
67	LA State U. all campuses	11,315	155	440	3,066	217	3,078	7	0	0	4,352
68	Rutgers, The State U. NJ all campuses	11,310	434	1,482	2,112	349	991	211	2,511	0	3,220
69	NC State U.	10,916	149	492	772	842	1,539	0	0	0	7,122
70	Old Dominion U.	10,467	24	4	97	32	0	98	0	0	10,212

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 2005

(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
71	U. Rochester	10,252	596	0	3,206	12	539	246	0	0	5,653
72	U. CA, Irvine	10,193	605	4	4,996	581	738	319	0	0	2,950
73	OR State U.	10,137	779	4,521	1,077	119	59	0	0	226	3,356
74	WA State U.	9,909	0	160	838	0	2,879	0	48	0	5,984
75	George Mason U.	9,893	2,788	1,235	1,072	453	173	561	808	0	2,803
76	OK State U. all campuses	9,751	178	17	937	3	759	0	551	395	6,911
77	San Diego State U.	9,734	0	6	1,266	0	0	181	22	0	8,259
78	Mercer U. all campuses	9,437	0	0	0	0	0	0	0	0	9,437
79	U. CT all campuses	9,371	572	307	2,418	41	1,461	0	0	0	4,572
80	U. IA	9,059	97	235	2,617	4	1,990	0	0	0	4,116
81	U. CA, Davis	8,939	446	154	3,468	321	320	0	0	0	4,230
82	U. MO-Rolla	8,643	0	1,934	0	0	14	0	0	0	6,695
83	SUNY Stony Brook all campuses	8,261	474	21	2,806	65	2,255	486	0	0	2,154
84	U. of Notre Dame	7,865	0	0	727	0	520	67	0	923	5,628
85	U. Southern MS	7,840	208	2,343	362	0	2,328	0	0	1,144	1,455
86	Wright State U. all campuses	7,776	1,177	32	1,941	50	1,031	507	0	0	3,038
87	Rensselaer Polytechnic Institute	7,701	652	0	0	587	360	968	0	0	5,134
88	Columbia U. in the City of NY	7,579	1,238	913	3,986	0	0	0	28	0	1,414
89	NJ Institute of Technology	7,553	167	0	0	160	2,544	0	0	164	4,518
90	IN U. all campuses	7,537	697	0	5,470	72	1,234	18	46	0	0
91	U. IL Chicago	7,311	397	155	1,792	432	1,587	0	0	2	2,946
92	U. of Medicine and Dentistry NJ	7,273	0	0	7,273	0	0	0	0	0	0
93	U. TX Health Science Ctr. Houston	7,213	0	0	7,213	0	0	0	0	0	0
94	Emory U.	7,172	0	0	5,218	0	1,954	0	0	0	0
95	U. ID	7,015	1,005	0	1,396	0	916	0	0	61	3,637
96	U. AL Birmingham, The	7,008	45	0	4,224	0	253	0	0	0	2,486
97	U. Chicago	6,936	214	0	3,401	530	2,229	370	192	0	0
98	U. AK Fairbanks all campuses	6,791	3	3,669	60	0	0	0	0	382	2,677
99	U. Louisville	6,735	92	46	1,534	0	234	137	0	0	4,692
100	U. ME	6,698	127	1,711	28	1	3,199	0	0	0	1,632
101	U. MA Lowell	6,592	0	1,234	8	0	5,022	0	0	0	328
102	MT State U. Bozeman	6,429	0	99	1,008	213	3,443	0	0	15	1,651
103	U. TX Southwestern Medical Ctr. Dallas	6,410	0	0	6,410	0	0	0	0	0	0
104	SD School of Mines and Technology	6,395	0	585	0	7	0	0	0	0	5,803
105	U. MA Amherst	6,352	1,596	1	576	0	2,630	0	0	0	1,549

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 2005

(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
106	Desert Research Institute	6,277	0	4,923	85	0	0	0	203	1,066	0
107	Yale U.	6,184	597	0	1,924	0	252	427	73	0	2,911
108	MI State U.	6,171	828	0	515	51	2,050	598	250	0	1,879
109	VA Commonwealth U.	6,156	0	0	2,971	0	510	0	0	0	2,675
110	U. CA, San Francisco	6,142	0	0	6,142	0	0	0	0	0	0
111	Wake Forest U.	6,006	8	0	4,965	617	416	0	0	0	0
112	Syracuse U. all campuses	5,999	90	0	11	31	0	0	0	4,342	1,525
113	Auburn U. all campuses	5,901	10	0	635	0	737	0	0	1,112	3,407
114	U. TX Arlington	5,878	0	0	0	99	955	395	0	0	4,429
115	U. Cincinnati all campuses	5,828	0	0	2,169	4	341	274	0	0	3,040
116	U. WA	5,795	0	616	1,622	83	0	0	0	0	3,474
117	FL International U.	5,701	NA	NA	NA	NA	NA	NA	NA	NA	NA
118	Baylor C. of Medicine	5,700	0	0	5,700	0	0	0	0	0	0
119	Clemson U.	5,634	127	0	385	22	237	299	0	0	4,564
120	Loma Linda U.	5,617	0	0	5,617	0	0	0	0	0	0
121	Scripps Research Institute, The	5,547	0	0	5,547	0	0	0	0	0	0
122	Lehigh U.	5,459	200	9	93	0	1,415	0	0	0	3,742
123	Marshall U.	5,434	0	0	16	0	25	0	0	0	5,393
124	Case Western Reserve U.	5,387	0	84	1,689	77	354	6	0	0	3,177
125	Northeastern U.	5,087	79	0	242	58	414	49	94	0	4,151
126	IA State U.	5,066	176	210	32	247	743	0	0	0	3,658
127	Boston C.	4,972	0	4,594	46	0	332	0	0	0	0
128	C. of William and Mary all campuses	4,899	0	1,461	28	0	1,579	0	28	1,803	0
129	St. Francis U. (Loretto, PA)	4,894	0	0	4,894	0	0	0	0	0	0
130	Brigham Young U. all campuses	4,872	29	0	105	12	595	0	0	0	4,131
131	WV U.	4,854	0	354	705	130	767	0	35	0	2,863
132	U.S. Naval Academy	4,797	167	280	0	306	1,405	0	121	0	2,518
133	TX Tech U.	4,791	0	2,788	145	143	167	0	0	0	1,548
134	Rochester Institute of Technology	4,686	0	0	0	0	1,164	0	0	0	3,522
135	Medical U. SC	4,485	0	0	4,485	0	0	0	0	0	0
136	U. RI	4,452	437	2,474	0	0	198	0	0	25	1,318
137	U. AR main campus	4,421	0	83	20	0	1,920	0	122	0	2,276
138	U. TX San Antonio	4,372	2,788	0	528	0	144	40	0	0	872
139	Jackson State U.	4,357	2,047	0	0	0	940	0	0	8	1,362
140	U. UT	4,310	1,132	96	1,410	101	1,412	17	0	0	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 2005

(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
141	U. OR	4,305	595	0	2,725	8	843	0	134	0	0
142	U. MD Baltimore	4,240	0	0	4,240	0	0	0	0	0	0
143	U. TN all campuses	4,238	43	0	1,130	12	425	0	109	100	2,419
144	U. TX Dallas	4,204	734	572	1,076	5	1,262	85	26	63	381
145	NC Agricultural and Technical State U.	4,110	165	0	0	0	0	0	2	0	3,943
146	FL Atlantic U.	4,095	405	0	427	195	0	0	0	0	3,068
147	Southwest MO State U.	4,087	0	0	0	0	4,087	0	0	0	0
148	U. KS all campuses	4,086	0	213	2,614	0	766	19	5	0	469
149	Hampton U.	4,021	0	0	0	0	0	0	0	4,021	0
150	Washington U. St. Louis	4,006	694	0	2,007	0	237	173	0	0	895
151	U. TX Medical Branch	3,911	0	0	3,625	0	0	0	0	0	286
152	CA State U. Long Beach	3,769	8	0	71	0	137	0	0	0	3,553
153	U. NH	3,715	0	1,103	48	0	569	0	0	193	1,802
154	U. MO-Columbia	3,671	217	77	333	7	1,008	13	0	0	2,016
155	CA State U. San Bernardino	3,654	0	0	11	0	11	0	0	3,632	0
156	Air Force Institute of Technology	3,599	231	0	0	176	998	0	0	334	1,860
157	MI Technological U.	3,549	444	0	0	0	228	0	0	0	2,877
158	U. West FL	3,292	3,145	0	0	147	0	0	0	0	0
159	U. MD Baltimore County	3,220	0	168	877	113	414	0	12	0	1,636
160	Tulane U.	3,147	0	0	1,909	217	0	0	0	0	1,021
161	CO School of Mines	3,074	0	820	0	0	262	0	0	0	1,992
162	CUNY The City C.	3,032	445	0	0	124	2,303	0	0	0	160
163	U. NC Charlotte	2,973	433	0	0	10	2,299	0	0	0	231
164	Eastern MI U.	2,968	0	48	148	0	0	0	0	0	2,772
165	Tufts U.	2,936	0	0	595	124	487	32	19	0	1,679
166	SUNY Albany	2,871	14	0	947	0	776	0	0	0	1,134
167	U. North TX	2,868	0	329	52	7	206	0	18	0	2,256
168	ID State U.	2,842	752	164	0	16	1,910	0	0	0	0
169	U. NV, Reno	2,817	556	0	969	0	330	0	0	21	941
170	U. CA, Santa Cruz	2,741	99	879	91	0	107	0	0	0	1,565
171	U. OK all campuses	2,666	241	693	305	0	166	432	87	0	742
172	Howard U.	2,631	237	0	1,328	86	170	0	0	0	810
173	U. PR Mayaguez Campus	2,555	0	207	0	77	1,502	0	0	0	769
174	New School, The	2,536	2,536	0	0	0	0	0	0	0	0
175	Thomas Jefferson U.	2,517	0	0	2,517	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 2005

(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
176	Dartmouth C.	2,490	0	0	814	0	61	0	0	207	1,408
177	Temple U.	2,382	0	0	1,010	6	1,072	0	0	0	294
178	U. WY	2,379	104	324	636	55	345	0	116	0	799
179	George Washington U.	2,367	362	0	51	149	48	43	395	0	1,319
180	U. KY all campuses	2,360	0	0	632	122	224	0	0	0	1,382
181	Worcester Polytechnic Institute	2,313	212	0	0	55	218	0	0	0	1,828
182	Southern Methodist U.	2,292	263	1,723	22	213	0	0	0	0	71
183	Polytechnic U.	2,250	0	0	0	0	1,250	0	0	0	1,000
184	U. TX Health Science Ctr. San Antonio	2,236	0	0	2,236	0	0	0	0	0	0
185	Central MI U.	2,169	0	0	0	0	2,166	0	0	0	3
186	OR Health & Science U.	2,105	2,105	0	0	0	0	0	0	0	0
187	FL A&M U.	2,052	29	0	0	1	105	0	0	0	1,917
188	Boise State U.	1,950	0	36	69	0	0	0	63	0	1,782
189	Clark Atlanta U.	1,850	348	0	83	0	830	0	0	44	545
190	U. Denver	1,813	0	0	0	0	58	0	21	0	1,734
191	U. MA Dartmouth	1,721	10	450	961	0	92	0	0	0	208
192	Oakland U.	1,643	57	0	0	0	149	0	0	0	1,437
193	U. MA Worcester	1,636	0	0	1,636	0	0	0	0	0	0
194	U. MT, The	1,563	0	0	343	11	1,209	0	0	0	0
195	U. NV, Las Vegas	1,512	0	0	3	8	0	0	0	0	1,501
196	Rush U.	1,505	0	0	1,505	0	0	0	0	0	0
197	East Carolina U.	1,500	182	1	1,293	20	0	0	0	0	4
198	U. Houston	1,404	185	0	0	23	516	0	0	0	680
199	TX A&M U. System Health Science Ctr.	1,382	0	0	901	0	0	0	0	0	481
200	Southern IL U. Carbondale	1,368	0	156	890	0	17	0	0	0	305
201	U. Tulsa	1,248	1,008	0	0	0	88	115	0	0	37
202	SUNY Binghamton	1,229	90	7	0	39	0	0	150	0	943
203	U. Akron all campuses	1,208	0	0	0	30	868	23	0	0	287
204	TX A&M U. Corpus Christi	1,188	0	149	1,034	0	0	0	0	0	5
205	Embry-Riddle Aeronautical U.	1,167	0	0	0	0	0	0	0	0	1,167
206	U. Redlands	1,108	0	1,108	0	0	0	0	0	0	0
207	U. ND all campuses	1,102	29	548	349	0	77	0	0	0	99
208	U. WI Milwaukee	1,072	0	833	88	66	13	0	0	0	72
209	U. AL, The	1,068	126	2	0	0	255	0	68	0	617
210	U. Toledo	1,046	0	0	114	13	104	0	0	0	815

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 2005

(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
211	U. VT	1,040	0	215	208	55	159	0	0	0	403
212	Wichita State U.	1,008	29	0	0	0	0	0	0	0	979
213	Fisk U.	1,000	0	0	0	0	1,000	0	0	0	0
214	Medical C. WI	983	0	0	983	0	0	0	0	0	0
215	U. Memphis, The	968	0	0	296	260	0	126	0	0	286
216	Catholic U. America, The	961	0	0	15	0	389	151	0	0	406
217	Rockefeller U.	950	0	0	950	0	0	0	0	0	0
218	Morgan State U.	930	0	0	0	5	1	0	0	0	924
219	U. TX El Paso	923	49	25	0	39	186	0	0	9	615
220	Portland State U.	910	0	0	629	0	66	0	129	0	86
221	OH U. all campuses	886	0	0	173	18	61	0	0	0	634
222	Meharry Medical C.	872	0	0	872	0	0	0	0	0	0
223	CA State Polytechnic U. San Luis Obispo	869	755	0	0	0	0	0	0	0	114
224	Northern IL U.	852	0	0	0	8	382	0	0	0	462
225	SUNY Health Science Ctr. Brooklyn	848	0	0	848	0	0	0	0	0	0
226	U. LA Lafayette	834	91	0	57	0	0	0	0	630	56
227	IL Institute of Technology	831	65	0	51	0	0	26	0	0	689
228	Northern AZ U.	817	0	0	617	0	82	0	0	0	118
229	U. TX-Pan American	707	0	37	0	108	0	0	0	0	562
230	U. North FL	704	0	0	207	0	497	0	0	0	0
231	Prairie View A&M U.	703	131	0	0	56	137	0	0	0	379
232	AL A&M U.	701	0	0	56	3	455	0	0	0	187
233	Northeastern OH Universities C. of Medicine	701	0	0	701	0	0	0	0	0	0
234	CA State U. Monterey Bay	677	218	79	0	0	0	0	0	0	380
235	U. AR for Medical Sciences	648	0	0	648	0	0	0	0	0	0
236	LA Tech U.	641	56	0	0	0	0	0	0	0	585
237	U. NC Chapel Hill	598	0	0	170	53	58	0	317	0	0
238	CA State U. Northridge	558	0	0	0	0	126	0	30	19	383
239	Monmouth U.	537	537	0	0	0	0	0	0	0	0
240	U. MO-Kansas City	502	0	0	4	0	132	366	0	0	0
241	CA State U. Fresno	500	0	0	0	0	0	0	0	0	500
242	DE State U.	497	0	0	0	392	105	0	0	0	0
243	San Jose State U.	482	0	482	0	0	0	0	0	0	0
244	Bowling Green State U. all campuses	478	0	0	0	0	478	0	0	0	0
245	CUNY Hunter C.	466	0	0	0	0	466	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 2005

(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
246	U. PR Rio Piedras Campus	465	0	0	21	2	442	0	0	0	0
247	Western MI U.	463	93	189	0	0	0	0	0	0	181
248	Elizabeth City State U.	450	0	0	0	450	0	0	0	0	0
249	Brandeis U.	444	444	0	0	0	0	0	0	0	0
250	Medical U. OH	436	0	0	436	0	0	0	0	0	0
251	NY Medical C.	418	0	0	418	0	0	0	0	0	0
252	U. MA Boston	411	0	170	0	0	153	0	0	0	88
253	Lincoln U. (Lincoln University, PA)	404	0	0	404	0	0	0	0	0	0
254	U. NC Wilmington	398	203	33	107	0	0	42	13	0	0
255	Norfolk State U.	382	0	0	0	0	382	0	0	0	0
256	CA State U. Los Angeles	375	0	0	0	60	0	148	0	0	167
257	U. MD Ctr. for Environmental Science	367	0	367	0	0	0	0	0	0	0
258	IL State U.	355	0	0	355	0	0	0	0	0	0
259	TN State U.	341	0	0	5	60	0	0	0	0	276
260	Albany Medical C.	328	0	0	328	0	0	0	0	0	0
261	Kent State U. all campuses	328	100	0	0	13	215	0	0	0	0
262	Wellesley C.	313	0	0	0	0	0	0	0	313	0
263	Marquette U.	297	0	0	0	0	100	0	0	0	197
264	CUNY Queens C.	281	0	0	0	0	281	0	0	0	0
265	Rose-Hulman Institute of Technology	281	21	0	0	0	260	0	0	0	0
266	Fayetteville State U.	275	0	0	0	0	0	275	0	0	0
267	U. MO-St. Louis	275	0	0	0	126	116	0	33	0	0
268	Medical C. GA	261	0	0	261	0	0	0	0	0	0
269	Trinity U.	247	0	0	247	0	0	0	0	0	0
270	Loyola U. Chicago	231	0	0	186	0	0	0	45	0	0
271	St. Louis U. all campuses	226	0	79	0	0	147	0	0	0	0
272	CUNY C. Staten Island	209	0	0	0	30	0	0	0	0	179
273	CA State U. Bakersfield	200	200	0	0	0	0	0	0	0	0
274	Central State U.	200	10	0	0	0	0	0	0	0	190
275	St. Mary's U. (San Antonio, TX)	194	0	0	0	0	0	0	0	0	194
276	Morehouse C.	179	0	0	0	0	179	0	0	0	0
277	Baylor U.	165	0	58	0	0	0	0	0	0	107
278	Kettering U.	157	0	0	0	0	0	0	0	0	157
279	Morehouse School of Medicine	156	0	0	156	0	0	0	0	0	0
280	TN Technological U.	155	0	0	4	0	0	0	0	0	151

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 2005

(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
281	U. AR Pine Bluff	152	0	0	130	0	6	0	16	0	0
282	U. Scranton	150	0	0	0	0	150	0	0	0	0
283	VA State U.	150	0	0	0	0	150	0	0	0	0
284	Tuskegee U.	144	0	0	35	0	0	0	0	0	109
285	Indiana U. PA all campuses	136	102	0	0	0	1	0	0	0	33
286	Mt. Sinai School of Medicine	134	0	0	134	0	0	0	0	0	0
287	Reed C.	130	0	0	104	0	26	0	0	0	0
288	Clark U.	128	0	0	0	0	128	0	0	0	0
289	TX A&M International U.	127	0	107	20	0	0	0	0	0	0
290	SD State U.	125	0	0	118	0	7	0	0	0	0
291	Rowan U.	122	0	0	0	0	0	0	0	0	122
292	U. MD Biotechnology Institute	117	0	80	37	0	0	0	0	0	0
293	Lawrence Technological U.	105	0	0	0	0	0	0	0	0	105
294	San Francisco State U.	101	NA	NA	NA	NA	NA	NA	NA	NA	NA
295	CUNY Herbert H. Lehman C.	100	0	0	0	46	54	0	0	0	0
296	U. South AL	96	0	0	25	0	0	0	0	0	71
297	Eastern WA U.	88	0	0	0	0	0	0	88	0	0
298	U. New Haven	85	0	0	0	0	0	0	85	0	0
299	Charles R. Drew U. of Medicine and Science	83	0	0	83	0	0	0	0	0	0
300	St. Cloud State U.	81	0	15	66	0	0	0	0	0	0
301	Spelman C.	78	0	0	78	0	0	0	0	0	0
302	U. San Diego	73	0	0	70	0	3	0	0	0	0
303	U. SD	71	0	0	71	0	0	0	0	0	0
304	Lincoln U. (Jefferson City, MO)	70	0	32	0	0	0	0	38	0	0
305	East TN State U.	68	0	0	68	0	0	0	0	0	0
306	Franklin & Marshall C.	66	0	66	0	0	0	0	0	0	0
307	Hampshire C.	66	66	0	0	0	0	0	0	0	0
308	SUNY C. Buffalo	66	0	66	0	0	0	0	0	0	0
309	U. North TX Health Science Ctr. Ft. Worth	65	0	0	65	0	0	0	0	0	0
310	NY Institute of Technology all campuses	63	0	0	0	0	0	0	0	0	63
311	U. NC Greensboro	61	0	0	61	0	0	0	0	0	0
312	GA State U.	54	0	38	0	16	0	0	0	0	0
313	U. GA	53	0	0	53	0	0	0	0	0	0
314	Pacific U.	47	0	0	0	0	47	0	0	0	0
315	Nova Southeastern U.	45	0	0	0	0	0	45	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 2005

(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
316	Wiley C.	45	0	0	0	0	45	0	0	0	0
317	Kansas City U. of Medicine and Biosciences	44	0	0	44	0	0	0	0	0	0
318	Wesleyan U.	42	0	0	0	0	42	0	0	0	0
319	Southern IL U. Edwardsville	40	0	0	39	0	0	0	0	0	1
320	Stephen F. Austin State U.	39	0	0	26	0	0	0	0	13	0
321	CA State U. East Bay	38	0	0	0	0	0	0	0	0	38
322	NJ City U.	37	0	0	0	0	37	0	0	0	0
323	SUNY C. Oswego	31	0	0	0	0	0	0	31	0	0
324	GA Southern U.	30	0	0	0	30	0	0	0	0	0
325	U. WI La Crosse	29	0	0	0	0	0	0	29	0	0
326	Chapman U.	26	0	24	2	0	0	0	0	0	0
327	Eastern KY U.	26	0	0	26	0	0	0	0	0	0
328	CUNY Brooklyn C.	24	0	0	0	0	24	0	0	0	0
329	TX A&M U. Kingsville	22	0	0	10	0	11	0	0	0	1
330	Bucknell U.	21	0	0	0	0	0	0	0	0	21
331	Lafayette C.	21	0	0	21	0	0	0	0	0	0
332	SUNY C. Geneseo	19	0	0	0	0	19	0	0	0	0
333	Albany State U.	18	0	0	0	0	0	0	0	18	0
334	Amherst C.	18	0	0	0	6	12	0	0	0	0
335	Youngstown State U.	18	0	0	0	0	18	0	0	0	0
336	Coastal Carolina U.	17	0	17	0	0	0	0	0	0	0
337	James Madison U.	17	2	0	0	0	0	0	3	0	12
338	C. Charleston	16	12	0	0	4	0	0	0	0	0
339	Christopher Newport U.	14	0	0	14	0	0	0	0	0	0
340	Loyola U. New Orleans	14	0	0	14	0	0	0	0	0	0
341	Western KY U.	14	0	0	0	0	14	0	0	0	0
342	Murray State U.	11	0	11	0	0	0	0	0	0	0
343	FL Institute of Technology	9	9	0	0	0	0	0	0	0	0
344	U. WI Stevens Point	8	0	0	1	0	7	0	0	0	0
345	IN State U. all campuses	6	0	0	0	0	6	0	0	0	0
346	Lamar U.	6	0	0	0	0	0	0	0	0	6
347	MT Tech of the U. MT	4	0	0	0	0	0	0	0	0	4
348	Pace U. all campuses	4	0	0	0	0	4	0	0	0	0
349	Rhodes C.	1	0	0	0	0	1	0	0	0	0
350	TX Christian U.	1	0	0	0	0	0	0	0	0	1

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 2005  
(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
	Abilene Christian 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 C. of Pharmacy	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
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Andrews 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. (Rock Island, IL)	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
	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
	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
	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
	Bridgewater State C.	0	0	0	0	0	0	0	0	0	0
	Bryn Mawr C.	0	0	0	0	0	0	0	0	0	0
	CA Institute of Technology	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 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
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Carleton C.	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
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claffin 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 2005  
(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
	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
	Colby C.	0	0	0	0	0	0	0	0	0	0
	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
	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 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
	DePaul U.	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Drake U.	0	0	0	0	0	0	0	0	0	0
	Duquesne U.	0	0	0	0	0	0	0	0	0	0
	Eastern OR 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
	Fitchburg State C.	0	0	0	0	0	0	0	0	0	0
	FL Gulf Coast U.	0	0	0	0	0	0	0	0	0	0
	Fordham U.	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
	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
	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
	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

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 2005

(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
	Heritage U. (Toppenish, WA)	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
	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
	KS State U.	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
	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
	Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0
	Loyola C.	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
	Manhattan C.	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
	Middle TN State U.	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	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
	Morehead 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. 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 C. FL	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

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 2005  
(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
	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
	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
	OR Institute of Technology	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
	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
	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
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0
	Savannah State U.	0	0	0	0	0	0	0	0	0	0
	Seattle 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
	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 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
	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. Olaf 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 2005  
(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
	State U. West GA	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. Plattsburgh	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
	Swarthmore C.	0	0	0	0	0	0	0	0	0	0
	Tarleton State U.	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 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
	TX Woman's U.	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
	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. 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
	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. CA, Merced	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. 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 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



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 2005

(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
	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. PR Humacao U. C.	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. of St. Thomas (St. Paul, MN)	0	0	0	0	0	0	0	0	0	0
	U. TX Tyler	0	0	0	0	0	0	0	0	0	0
	U. DC	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
	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
	Valparaiso U.	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
	West Chester U. PA	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 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

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 2005  
(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
	Western WA 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
	Yeshiva U.	0	0	0	0	0	0	0	0	0	0

DOD = Department of Defense.

NA = not available; data were not provided by institution.

nec = not elsewhere classified.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005  
(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	1,055,302	28,605	95,899	153,276	9,525	379,414	715	19,395	10,603	353,893
1	U. Rochester	70,885	97	0	3,338	0	4,459	0	0	176	62,815
2	MA Institute of Technology	70,849	334	2,175	104	302	55,563	0	201	586	11,584
3	U. WI Madison	32,857	1,481	1,366	2,156	677	14,007	0	11	0	13,159
4	U. IL Urbana-Champaign	29,107	5,923	2,625	1,504	18	7,737	9	1	15	11,275
5	Stanford U.	25,599	665	1,893	11,769	60	2,745	0	0	0	8,467
6	U. NV, Las Vegas	24,646	0	11,438	388	0	3,194	0	4,176	0	5,450
7	U. CA, Los Angeles	22,060	0	381	7,959	0	7,935	0	0	0	5,785
8	U. TN all campuses	21,557	1,251	915	3,040	0	5,513	0	209	1,680	8,949
9	U. MI all campuses	19,244	263	362	2,308	0	5,149	0	1,032	13	10,117
10	U. NV, Reno	18,329	0	3,658	862	0	7,934	0	0	0	5,875
11	CA Institute of Technology	17,657	228	186	1,901	177	11,286	0	0	0	3,879
12	U. TX Austin	16,933	593	3,059	208	107	9,620	0	227	0	3,119
13	U. WA	16,003	0	1,020	3,389	187	7,271	0	0	0	4,136
14	TX A&M U. all campuses	14,276	480	568	495	78	6,635	0	182	0	5,838
15	OH State U. all campuses	13,551	658	211	2,493	0	5,932	0	3	0	4,254
16	PA State U. all campuses	13,383	162	1,039	1,093	45	1,993	0	0	0	9,051
17	GA Institute of Technology all campuses	13,316	543	719	265	87	1,520	0	32	42	10,108
18	U. NM all campuses	13,179	576	104	6,027	371	1,457	0	347	0	4,297
19	U. GA	13,142	0	45	12,315	0	630	0	0	0	152
20	MI State U.	12,448	0	257	6,432	0	4,447	0	0	0	1,312
21	U. CA, San Diego	12,211	647	1,646	429	0	6,008	0	131	0	3,350
22	Harvard U.	12,208	0	2,229	3,701	0	5,435	0	30	0	813
23	WV U.	10,952	0	3,252	335	10	428	0	294	0	6,633
24	U. UT	10,526	446	711	2,115	0	1,387	0	0	0	5,867
25	Purdue U. all campuses	10,354	0	0	1,715	44	4,226	0	61	856	3,452
26	U. CA, Davis	10,247	35	2,482	2,381	216	2,187	0	0	0	2,946
27	U. ND all campuses	10,019	0	406	0	0	134	0	0	0	9,479
28	U. FL	9,627	70	0	1,189	0	3,924	0	0	0	4,444
29	Princeton U.	9,295	372	631	42	203	5,498	0	0	0	2,549
30	U. MD College Park	9,142	472	903	264	22	5,348	0	0	0	2,133
31	U. Chicago	8,923	38	900	1,103	114	6,768	0	0	0	0
32	MS State U.	8,846	18	78	648	25	2,583	0	0	0	5,494
33	Yale U.	8,713	0	424	300	0	7,093	0	0	0	896
34	SUNY Stony Brook all campuses	8,585	387	1,111	499	542	5,821	0	0	0	225
35	Desert Research Institute	8,568	0	6,675	186	0	0	0	1,707	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 2005  
(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
36	Duke U.	8,019	0	1,094	751	0	5,665	0	0	0	509
37	WA State U.	7,964	0	0	2,725	33	4,208	0	0	4	994
38	U. CO all campuses	7,925	263	452	1,262	369	5,050	0	0	0	529
39	U. CA, Berkeley	7,680	0	589	2,416	120	2,282	0	0	82	2,191
40	U. PA	7,363	0	0	1,160	0	5,350	0	0	0	853
41	VA Polytechnic Institute and State U.	6,960	0	1,790	423	0	330	0	0	0	4,417
42	Northwestern U.	6,913	0	13	97	0	4,226	0	0	0	2,577
43	U. MA Amherst	6,898	0	42	4,556	0	1,643	0	0	0	657
44	Catholic U. America, The	6,782	0	0	0	0	6,777	0	0	0	5
45	U. CA, Irvine	6,464	43	262	881	0	5,037	0	0	0	241
46	U. MN all campuses	6,327	355	32	1,486	0	3,431	0	46	0	977
47	NC State U.	6,296	197	0	729	0	2,510	0	0	0	2,860
48	OR State U.	6,278	0	676	2,352	0	243	0	176	0	2,831
49	CO State U.	6,199	0	2,170	930	59	1,751	0	0	0	1,289
50	FL State U.	6,175	130	3,024	54	0	2,350	0	0	0	617
51	Carnegie Mellon U.	6,161	595	0	0	63	2,579	0	0	0	2,924
52	Cornell U. all campuses	6,032	0	260	641	117	2,066	0	0	0	2,948
53	U. CA, Santa Barbara	5,920	468	382	94	0	2,718	0	47	0	2,211
54	IA State U.	5,726	57	1,087	510	0	2,656	0	0	0	1,416
55	U. of Notre Dame	5,705	40	0	74	0	691	14	0	4,335	551
56	U. Southern CA	5,602	2,794	889	51	0	852	0	0	0	1,016
57	MI Technological U.	5,375	0	2,662	0	0	344	0	0	0	2,369
58	Rutgers, The State U. NJ all campuses	5,297	0	273	1,271	0	2,431	0	0	0	1,322
59	U. AL, The	5,201	0	1,164	215	0	1,083	0	0	0	2,739
60	U. AZ	5,127	0	0	2,322	108	2,054	0	124	0	519
61	U. SC all campuses	4,581	91	468	232	0	1,321	0	981	0	1,488
62	U. AK Fairbanks all campuses	4,402	0	994	440	0	0	0	0	0	2,968
63	Boston U.	4,396	0	147	103	0	2,940	0	0	370	836
64	U. IL Chicago	4,296	6	1,460	515	0	1,162	0	0	0	1,153
65	Jackson State U.	4,245	818	2,274	26	1,113	0	0	0	14	0
66	Vanderbilt U.	4,215	15	0	21	0	2,188	0	0	0	1,991
67	U. Pittsburgh all campuses	4,210	0	0	276	42	1,610	0	0	0	2,282
68	Portland State U.	4,201	62	499	177	0	26	0	3,408	0	29
69	Rensselaer Polytechnic Institute	4,173	122	239	0	190	268	0	0	0	3,354
70	U. MO-Rolla	4,169	253	633	0	0	420	0	0	0	2,863

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 2005  
(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
71	Case Western Reserve U.	4,137	0	0	497	0	600	0	0	0	3,040
72	Johns Hopkins U., The <sup>a</sup>	4,121	201	1,028	760	0	1,148	0	0	0	984
73	U. NE all campuses	4,010	104	1,525	1,389	0	511	0	0	41	440
74	MT State U. Bozeman	3,958	80	0	283	0	1,248	0	0	950	1,397
75	Western MI U.	3,851	0	193	0	0	3,645	0	0	0	13
76	NM State U. all campuses	3,833	0	0	0	0	594	0	0	0	3,239
77	IN U. all campuses	3,788	389	288	222	50	2,839	0	0	0	0
78	U. CT all campuses	3,747	0	138	1,529	0	631	0	0	0	1,449
79	Medical U. SC	3,700	0	0	3,700	0	0	0	0	0	0
80	U. KS all campuses	3,634	0	1,175	0	0	1,289	0	4	0	1,166
81	Tulane U.	3,633	0	14	998	0	245	0	491	0	1,885
82	CO School of Mines	3,601	0	279	0	0	1,117	0	0	0	2,205
83	Brown U.	3,547	429	3	0	423	1,779	0	42	0	871
84	Rice U.	3,520	209	103	195	87	1,864	0	0	0	1,062
85	U. VA all campuses	3,497	223	0	151	0	2,559	0	0	0	564
86	U. of the VI	3,479	0	0	0	0	0	0	3,479	0	0
87	Washington U. St. Louis	3,387	0	0	1,927	0	1,210	0	0	0	250
88	U. MO-Columbia	3,380	92	89	1,553	0	528	0	148	0	970
89	FL International U.	3,322	NA	NA	NA	NA	NA	NA	NA	NA	NA
90	AZ State U. main campus	3,305	69	268	490	0	1,697	0	0	0	781
91	U. DE	3,301	51	260	32	0	1,039	0	0	66	1,853
92	U. CA, Riverside	3,039	0	167	196	0	2,459	0	0	0	217
93	U. CA, Santa Cruz	2,972	0	71	0	0	2,820	0	0	0	81
94	U. OR	2,955	744	0	103	0	2,092	0	0	0	16
95	ID State U.	2,953	0	0	166	0	2,585	0	14	7	181
96	Auburn U. all campuses	2,919	0	182	283	0	1,344	0	0	0	1,110
97	NY U.	2,760	272	0	339	2,078	71	0	0	0	0
98	U. Houston	2,748	572	209	0	80	783	19	0	0	1,085
99	CUNY Queens C.	2,696	0	0	2,696	0	0	0	0	0	0
100	Clemson U.	2,605	0	0	40	0	654	0	1,095	0	816
101	LA State U. all campuses	2,566	0	29	550	0	1,171	0	0	0	816
102	Wayne State U.	2,534	0	0	236	0	2,222	0	0	0	76
103	U. Cincinnati all campuses	2,477	0	0	1,061	0	618	0	0	0	798
104	U. Central FL	2,475	0	2,241	0	0	0	0	0	0	234
105	OH U. all campuses	2,470	0	0	0	0	1,086	0	0	0	1,384

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 2005  
(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
106	Charles R. Drew U. of Medicine and Science	2,402	0	0	2,402	0	0	0	0	0	0
107	U. NC Chapel Hill	2,256	58	601	143	69	1,385	0	0	0	0
108	U. OK all campuses	2,085	0	305	869	0	714	0	0	0	197
109	Lehigh U.	2,082	0	0	0	0	838	0	0	0	1,244
110	Fisk U.	2,000	0	0	0	0	2,000	0	0	0	0
111	TX Tech U.	1,977	34	23	720	0	907	0	0	0	293
112	Brigham Young U. all campuses	1,958	43	34	4	0	561	0	0	0	1,316
113	Drexel U.	1,854	0	0	277	0	135	0	0	0	1,442
114	Howard U.	1,822	71	0	3	109	84	0	0	0	1,555
115	IL Institute of Technology	1,689	130	0	0	0	210	0	0	0	1,349
116	Syracuse U. all campuses	1,685	275	0	0	0	872	0	14	0	524
117	U. MS all campuses	1,649	0	0	111	0	1,127	0	0	0	411
118	U. IA	1,587	0	0	1,326	0	124	0	3	0	134
119	Worcester Polytechnic Institute	1,582	0	0	0	155	0	0	0	0	1,427
120	U. Tulsa	1,543	0	25	0	0	177	0	234	0	1,107
121	Old Dominion U.	1,500	0	0	0	44	1,326	0	0	0	130
122	U. TX Arlington	1,483	0	0	0	0	1,093	0	0	0	390
123	U. AL Birmingham, The	1,475	0	0	703	0	311	0	0	0	461
124	U. WY	1,424	0	212	155	0	135	0	0	0	922
125	UT State U.	1,417	0	0	1,324	0	0	93	0	0	0
126	Emory U.	1,305	0	0	71	163	1,071	0	0	0	0
127	Clark Atlanta U.	1,286	0	0	0	256	553	0	28	220	229
128	NJ Institute of Technology	1,281	0	0	0	48	99	0	0	134	1,000
129	Boise State U.	1,214	0	1,010	138	0	66	0	0	0	0
130	U. TX El Paso	1,197	375	208	0	0	77	0	0	0	537
131	George Washington U.	1,189	0	130	0	0	965	0	16	0	78
132	U. Louisville	1,183	0	0	122	0	402	0	0	0	659
133	Southern Methodist U.	1,182	0	254	0	0	928	0	0	0	0
134	U. MA Lowell	1,180	0	121	0	0	903	0	0	0	156
135	U. NH	1,108	0	484	0	0	624	0	0	0	0
136	George Mason U.	1,106	18	147	783	158	0	0	0	0	0
137	U. TX M. D. Anderson Cancer Ctr.	1,096	0	0	1,096	0	0	0	0	0	0
138	Southern IL U. Carbondale	1,073	0	5	223	0	55	0	0	430	360
139	Tufts U.	1,063	0	0	84	0	943	0	0	0	36
140	Cleveland State U.	1,056	0	0	569	0	0	0	0	0	487

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 2005  
(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
141	U. ID	1,053	10	413	241	0	147	0	8	0	234
142	Dartmouth C.	1,051	33	151	0	0	114	0	0	0	753
143	U. LA Lafayette	1,048	94	0	577	73	0	0	0	0	304
144	OK State U. all campuses	1,044	0	0	202	0	336	0	23	0	483
145	LA Tech U.	997	37	0	0	0	353	0	0	0	607
146	U. NC Asheville	988	0	988	0	0	0	0	0	0	0
147	MT Tech of the U. MT	986	0	195	23	0	22	0	0	0	746
148	U. South FL	983	0	404	0	0	27	0	0	0	552
149	Rockefeller U.	971	0	0	112	0	859	0	0	0	0
150	SUNY Albany	969	0	670	0	0	215	0	0	0	84
151	Brandeis U.	959	45	0	209	0	705	0	0	0	0
152	CA State U. San Bernardino	920	920	0	0	0	0	0	0	0	0
153	Stevens Institute of Technology	906	0	52	0	0	438	0	0	0	416
154	Northern AZ U.	882	0	208	503	0	46	0	0	0	125
155	U. Southern MS	866	0	20	59	0	787	0	0	0	0
156	Hampton U.	817	0	2	0	0	815	0	0	0	0
157	U. VT	814	0	0	500	0	236	0	0	0	78
158	U. Scranton	804	0	0	762	0	42	0	0	0	0
159	SUNY Buffalo all campuses	791	0	23	211	0	291	0	0	0	266
160	CA State U. East Bay	761	0	0	656	0	0	0	0	0	105
161	Naval Postgraduate School	750	0	561	0	0	0	0	186	0	3
162	C. of William and Mary all campuses	737	0	64	0	0	502	0	0	171	0
163	Boston C.	721	0	0	0	0	721	0	0	0	0
164	Prairie View A&M U.	704	0	0	0	43	345	0	0	0	316
165	U. TX Southwestern Medical Ctr. Dallas	700	0	0	700	0	0	0	0	0	0
166	U. AR main campus	687	0	0	93	0	142	0	0	0	452
167	U. WI Milwaukee	680	0	0	19	0	485	0	0	0	176
168	Kent State U. all campuses	668	0	0	0	0	668	0	0	0	0
169	OR Health & Science U.	667	545	0	122	0	0	0	0	0	0
170	Wright State U. all campuses	659	86	3	5	0	98	0	0	0	467
171	San Francisco State U.	655	NA	NA	NA	NA	NA	NA	NA	NA	NA
172	Scripps Research Institute, The	642	0	0	642	0	0	0	0	0	0
173	TN Technological U.	625	0	0	0	60	100	0	0	0	465
174	U. CA, San Francisco	623	0	0	604	0	19	0	0	0	0
175	U. Toledo	617	0	53	0	0	561	0	0	0	3

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 2005

(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
176	U. Dayton	594	0	0	0	0	0	0	0	0	594
177	U. Miami	586	0	188	1	0	0	0	0	0	397
178	Northeastern U.	572	0	0	284	0	247	0	0	0	41
179	Thomas Jefferson U.	569	0	0	569	0	0	0	0	0	0
180	U. North TX	562	31	0	85	0	138	0	0	0	308
181	U. CA, Merced	561	0	170	280	0	111	0	0	0	0
182	U. South AL	560	0	0	0	0	31	0	0	0	529
183	OR Institute of Technology	559	0	0	0	0	0	0	0	0	559
184	U. MD Biotechnology Institute	557	0	146	411	0	0	0	0	0	0
185	Western KY U.	549	0	0	0	0	549	0	0	0	0
186	U. MT, The	543	0	0	413	0	130	0	0	0	0
187	Nicholls State U.	542	0	0	0	0	0	0	0	0	542
188	SD School of Mines and Technology	522	0	151	0	0	0	0	0	0	371
189	Woods Hole Oceanographic Institution	521	0	521	0	0	0	0	0	0	0
190	U. ME	493	0	74	76	0	0	0	0	0	343
191	CUNY Hunter C.	465	0	0	0	0	465	0	0	0	0
192	SD State U.	458	0	0	246	0	112	0	0	0	100
193	Columbia U. in the City of NY	446	0	0	0	0	0	369	0	77	0
194	CUNY The City C.	433	0	0	0	0	433	0	0	0	0
195	NC Agricultural and Technical State U.	425	19	0	25	0	14	0	0	0	367
196	Medical C. WI	409	0	0	409	0	0	0	0	0	0
197	Temple U.	409	0	0	0	0	409	0	0	0	0
198	FL A&M U.	405	0	86	0	0	319	0	0	0	0
199	U. Akron all campuses	396	0	0	0	0	333	0	0	0	63
200	Morgan State U.	394	0	0	355	0	0	0	0	0	39
201	U. of Medicine and Dentistry NJ	369	0	0	369	0	0	0	0	0	0
202	Savannah State U.	362	0	362	0	0	0	0	0	0	0
203	Loma Linda U.	358	0	0	358	0	0	0	0	0	0
204	FL Gulf Coast U.	353	0	353	0	0	0	0	0	0	0
205	Youngstown State U.	353	0	0	1	0	114	0	0	0	238
206	San Diego State U.	349	0	0	0	0	146	0	0	0	203
207	U. TX Dallas	334	58	45	86	1	100	7	2	5	30
208	VA Commonwealth U.	332	0	0	0	0	256	0	0	0	76
209	U. PR Rio Piedras Campus	324	0	0	0	0	324	0	0	0	0
210	GA State U.	322	0	13	0	0	309	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 2005

(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
211	U. AL Huntsville, The	315	0	240	0	0	17	0	13	0	45
212	Clark U.	314	0	0	174	0	140	0	0	0	0
213	Northern IL U.	313	0	0	0	0	276	0	37	0	0
214	Alfred U. all campuses	309	0	0	0	0	0	0	0	0	309
215	SUNY Binghamton	300	98	0	0	0	109	0	0	0	93
216	U. MD Baltimore County	300	0	14	0	0	184	0	0	0	102
217	Wichita State U.	289	0	33	0	0	0	0	0	0	256
218	Rochester Institute of Technology	287	0	0	0	0	70	0	0	0	217
219	TX A&M U. Kingsville	283	0	204	0	0	20	0	0	0	59
220	U. MA Worcester	283	0	0	283	0	0	0	0	0	0
221	SUNY C. Geneseo	276	0	0	0	0	276	0	0	0	0
222	Medical C. GA	268	0	0	268	0	0	0	0	0	0
223	ND State U. all campuses	246	0	12	82	0	122	0	30	0	0
224	Central State U.	240	0	0	30	0	10	0	0	0	200
225	Duquesne U.	238	0	0	0	0	238	0	0	0	0
226	U. PR Mayaguez Campus	228	0	6	78	0	144	0	0	0	0
227	Polytechnic U.	225	0	0	0	0	0	0	0	0	225
228	U. North TX Health Science Ctr. Ft. Worth	221	0	0	221	0	0	0	0	0	0
229	Hampshire C.	219	0	0	0	0	0	0	0	219	0
230	Baylor C. of Medicine	198	0	0	198	0	0	0	0	0	0
231	MS Valley State U.	184	0	0	184	0	0	0	0	0	0
232	Morehouse C.	180	0	0	0	0	180	0	0	0	0
233	U. Richmond	178	0	0	0	0	178	0	0	0	0
234	Valparaiso U.	178	0	0	0	0	178	0	0	0	0
235	Pace U. all campuses	166	0	0	0	0	0	0	0	0	166
236	Abilene Christian U.	164	0	0	0	0	164	0	0	0	0
237	AL A&M U.	160	0	0	51	0	18	0	0	0	91
238	U. TX Health Science Ctr. Houston	160	0	0	160	0	0	0	0	0	0
239	Teachers C. Columbia U.	156	0	0	0	0	0	145	11	0	0
240	Swarthmore C.	154	0	0	0	0	154	0	0	0	0
241	U. MO-Kansas City	153	0	0	0	0	127	0	0	0	26
242	St. Louis U. all campuses	151	0	151	0	0	0	0	0	0	0
243	TN State U.	149	0	0	60	0	0	0	0	0	89
244	FL Atlantic U.	148	0	0	29	0	115	0	0	0	4
245	U. San Diego	141	0	0	0	0	141	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 2005

(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
246	FL Institute of Technology	139	0	0	0	0	139	0	0	0	0
247	Grand Valley State U.	136	0	0	0	0	0	0	0	0	136
248	U. RI	129	0	26	0	0	45	0	0	6	52
249	Stephen F. Austin State U.	127	0	0	127	0	0	0	0	0	0
250	Loyola U. Chicago	126	5	0	121	0	0	0	0	0	0
251	American U.	125	0	0	0	0	0	0	84	41	0
252	U. NC Charlotte	119	47	0	0	0	0	0	0	0	72
253	Marquette U.	117	0	0	89	0	0	0	0	0	28
254	James Madison U.	115	0	0	0	0	0	0	0	0	115
255	Tuskegee U.	115	0	0	0	0	87	0	0	0	28
256	SUNY C. Old Westbury	114	0	0	0	0	114	0	0	0	0
257	U. MA Boston	114	0	0	0	0	114	0	0	0	0
258	East Carolina U.	111	0	37	0	0	74	0	0	0	0
259	Murray State U.	109	0	0	0	0	0	0	0	0	109
260	U. Memphis, The	103	0	103	0	0	0	0	0	0	0
261	Southern IL U. Edwardsville	100	0	37	0	0	0	0	0	63	0
262	West TX A&M U.	93	0	51	42	0	0	0	0	0	0
263	Air Force Institute of Technology	92	0	0	0	0	92	0	0	0	0
264	Furman U.	92	0	0	92	0	0	0	0	0	0
265	CA State U. Long Beach	90	0	0	0	90	0	0	0	0	0
266	Middle TN State U.	87	38	0	0	0	49	0	0	0	0
267	St. Francis U. (Loretto, PA)	87	0	87	0	0	0	0	0	0	0
268	Morehouse School of Medicine	84	0	0	84	0	0	0	0	0	0
269	Reed C.	79	0	0	0	0	79	0	0	0	0
270	SUNY C. Buffalo	79	0	0	0	0	79	0	0	0	0
271	Christopher Newport U.	75	0	0	0	0	16	59	0	0	0
272	Bradley U.	72	0	0	67	0	0	0	0	0	5
273	Marshall U.	72	0	0	0	0	0	0	0	0	72
274	CA State Polytechnic U. San Luis Obispo	70	0	0	62	0	0	0	0	0	8
275	CA State U. Northridge	69	0	0	0	0	69	0	0	0	0
276	WV State U.	66	0	0	0	0	66	0	0	0	0
277	TX Christian U.	62	0	0	0	0	62	0	0	0	0
278	San Jose State U.	60	0	60	0	0	0	0	0	0	0
279	U.S. Naval Academy	60	0	0	0	0	0	0	0	0	60
280	Central MI U.	59	0	0	0	0	59	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 2005  
(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
281	C. Charleston	57	0	0	57	0	0	0	0	0	0
282	U. Denver	56	0	0	13	0	20	0	0	0	23
283	New England C. of Optometry	55	0	0	55	0	0	0	0	0	0
284	Mt. Holyoke C.	53	0	0	0	0	53	0	0	0	0
285	Wake Forest U.	52	52	0	0	0	0	0	0	0	0
286	TX A&M U. Commerce	47	0	0	0	0	47	0	0	0	0
287	U. Houston-Downtown	45	0	0	0	0	45	0	0	0	0
288	Union C. (Schenectady, NY)	43	0	0	0	0	43	0	0	0	0
289	Southeastern LA U.	42	0	0	26	0	16	0	0	0	0
290	U. SD	42	0	0	42	0	0	0	0	0	0
291	Dickinson C.	41	0	0	0	0	41	0	0	0	0
292	Occidental C.	40	0	0	0	0	40	0	0	0	0
293	CUNY Herbert H. Lehman C.	39	0	0	0	39	0	0	0	0	0
294	Georgetown U.	36	0	0	36	0	0	0	0	0	0
295	U. TX Tyler	36	0	0	36	0	0	0	0	0	0
296	CA State U. Los Angeles	34	0	0	0	0	34	0	0	0	0
297	Hamilton C. (Clinton, NY)	32	0	0	0	0	32	0	0	0	0
298	Baylor U.	31	0	0	0	0	31	0	0	0	0
299	Fayetteville State U.	30	0	0	0	0	30	0	0	0	0
300	TX A&M U. Corpus Christi	29	0	29	0	0	0	0	0	0	0
301	U. WI Platteville	27	0	0	0	0	27	0	0	0	0
302	Roanoke C.	23	0	0	23	0	0	0	0	0	0
303	CUNY York C.	22	0	0	0	0	22	0	0	0	0
304	Fairfield U.	15	0	0	0	0	15	0	0	0	0
305	Smith C.	15	0	0	15	0	0	0	0	0	0
306	Juniata C.	14	0	0	0	0	14	0	0	0	0
307	IL State U.	13	0	13	0	0	0	0	0	0	0
308	Oberlin C.	12	0	12	0	0	0	0	0	0	0
309	CA State U. Fullerton	10	0	0	0	0	10	0	0	0	0
310	Embry-Riddle Aeronautical U.	9	0	0	0	0	0	0	0	0	9
311	U. MA Dartmouth	9	0	0	0	0	9	0	0	0	0
312	Eastern KY U.	6	0	0	0	0	0	0	6	0	0
313	Central WA U.	3	0	3	0	0	0	0	0	0	0
314	Coastal Carolina U.	2	0	0	0	0	2	0	0	0	0
315	Northern KY U.	2	0	0	0	0	2	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 2005  
(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
316	Rowan U.	2	0	0	0	0	0	0	0	0	2
317	Bryn Mawr C.	1	0	0	0	0	0	0	1	0	0
318	Drake U.	1	0	0	1	0	0	0	0	0	0
319	U. TX-Pan American	1	0	0	0	0	0	0	0	0	1
	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
	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
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Andrews 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. (Rock Island, IL)	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
	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
	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
	Bowie State U.	0	0	0	0	0	0	0	0	0	0
	Bowling Green State U. all campuses	0	0	0	0	0	0	0	0	0	0
	Bridgewater State 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 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
	Calvin 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 2005  
(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
	Carleton C.	0	0	0	0	0	0	0	0	0	0
	Central CT State U.	0	0	0	0	0	0	0	0	0	0
	Chapman U.	0	0	0	0	0	0	0	0	0	0
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Claffin 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
	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
	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 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
	DE State U.	0	0	0	0	0	0	0	0	0	0
	DePaul 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 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
	Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0
	Evergreen State C.	0	0	0	0	0	0	0	0	0	0
	Fitchburg State C.	0	0	0	0	0	0	0	0	0	0
	Fordham U.	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
	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
	Governors 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 2005  
(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
	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
	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
	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
	IN State U. all campuses	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
	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
	KS State U.	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
	Kettering 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
	Lewis and Clark C.	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
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0
	Loyola 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. 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
	Manhattan C.	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 U. OH	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 2005  
(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
	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
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	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
	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
	New C. FL	0	0	0	0	0	0	0	0	0	0
	NJ City U.	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
	Norfolk 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 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
	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
	OH Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Pacific 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
	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
	Rhodes C.	0	0	0	0	0	0	0	0	0	0
	Rider 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

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 2005  
(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
	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
	Seattle 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
	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
	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
	Southwest MO 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
	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
	State U. West GA	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 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
	SUNY Upstate Medical U.	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 International 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
	TX Southern 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 2005  
(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
	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
	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
	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. 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
	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 OK	0	0	0	0	0	0	0	0	0	0
	U. Hartford	0	0	0	0	0	0	0	0	0	0
	U. HI Hilo	0	0	0	0	0	0	0	0	0	0
	U. HI Manoa	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. KY all campuses	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. MD Eastern Shore	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 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 Wilmington	0	0	0	0	0	0	0	0	0	0
	U. North FL	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. PR Humacao U. 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 2005  
(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. Puget Sound	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. 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 Medical Branch	0	0	0	0	0	0	0	0	0	0
	U. TX San Antonio	0	0	0	0	0	0	0	0	0	0
	U. DC	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. West FL	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 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
	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
	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
	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
	WV School of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
	Western Carolina 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

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 2005  
(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
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Wiley C.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Yeshiva U.	0	0	0	0	0	0	0	0	0	0

DOE = Department of Energy.

NA = not available; data were not provided by institution.

nec = not elsewhere classified.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005

(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	15,869,380	36,171	59,849	14,196,594	61,857	451,879	450,904	256,467	42,709	290,638
1	Johns Hopkins U., The <sup>a</sup>	559,117	0	15,027	516,836	0	4,524	5,009	2,711	0	15,010
2	U. CA, San Francisco	423,429	0	0	404,677	0	18,752	0	0	0	0
3	U. PA	397,619	61	0	365,728	0	9,572	5,403	8,412	2,940	5,503
4	U. MI all campuses	372,268	410	66	302,168	478	9,848	8,604	39,246	0	11,448
5	Washington U. St. Louis	367,762	209	0	354,355	65	3,667	3,698	2,754	0	3,014
6	U. CA, Los Angeles	344,709	277	8	322,803	1,093	8,534	7,920	2,947	0	1,127
7	U. Pittsburgh all campuses	333,416	103	0	315,030	612	5,913	6,145	1,674	0	3,939
8	Stanford U.	317,407	424	128	285,211	1,213	14,877	5,051	350	0	10,153
9	Duke U.	315,639	0	1,877	281,956	742	2,698	1,514	18,069	0	8,783
10	Harvard U.	307,641	0	8,390	273,789	601	14,574	5,274	2,605	0	2,408
11	Yale U.	292,063	554	0	282,049	0	4,350	3,503	279	0	1,328
12	Columbia U. in the City of NY	289,876	0	935	274,196	153	3,654	3,297	4,211	17	3,413
13	U. CA, San Diego	280,209	2,512	1,772	245,258	0	15,589	3,905	2,836	0	8,337
14	U. WI Madison	262,541	320	0	205,317	715	3,493	23,170	15,680	0	13,846
15	U. AL Birmingham, The	261,082	0	0	249,468	318	1,319	8,271	146	0	1,560
16	U. NC Chapel Hill	253,377	2,832	6,039	214,781	55	6,882	3,864	18,924	0	0
17	Emory U.	244,002	0	0	238,674	0	3,965	1,311	52	0	0
18	Baylor C. of Medicine	241,148	0	0	241,148	0	0	0	0	0	0
19	Vanderbilt U.	237,172	0	0	220,592	315	4,268	6,691	1,740	1,292	2,274
20	U. CO all campuses	225,191	0	37	205,677	85	8,347	6,811	2,960	70	1,204
21	Scripps Research Institute, The	223,186	0	0	223,186	0	0	0	0	0	0
22	U. MN all campuses	215,784	72	5	195,800	18	6,084	8,176	3,966	0	1,663
23	OR Health & Science U.	199,808	6,754	0	193,054	0	0	0	0	0	0
24	Cornell U. all campuses	195,802	647	0	176,131	46	11,985	1,214	2,642	0	3,137
25	MA Institute of Technology	182,090	1,331	202	136,120	0	15,803	726	314	0	27,594
26	U. Chicago	181,943	2,346	0	168,367	191	2,624	5,642	2,773	0	0
27	Case Western Reserve U.	179,690	15	0	169,180	144	2,445	773	1,145	0	5,988
28	U. TX Southwestern Medical Ctr. Dallas	178,897	0	0	178,897	0	0	0	0	0	0
29	U. IA	178,346	0	96	168,849	480	1,313	5,637	250	0	1,721
30	U. Cincinnati all campuses	176,712	0	0	173,616	20	828	185	275	0	1,788
31	Boston U.	173,248	0	0	144,395	457	3,302	6,963	264	6,412	11,455
32	U. Rochester	161,759	523	0	149,445	0	1,271	9,751	0	311	458
33	Yeshiva U.	160,894	0	0	160,894	0	0	0	0	0	0
34	U. Southern CA	160,162	172	0	150,063	26	733	1,958	1,697	384	5,129
35	U. IL Chicago	156,417	65	0	143,243	96	3,475	2,699	3,762	2,062	1,015

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 2005

(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	Northwestern U.	151,137	0	0	138,125	77	3,483	1,997	597	99	6,759
37	Mt. Sinai School of Medicine	149,423	0	0	149,423	0	0	0	0	0	0
38	NY U.	146,573	12	0	141,057	0	1,855	2,519	1,130	0	0
39	OH State U. all campuses	141,345	201	0	127,938	210	3,405	3,825	3,117	56	2,593
40	U. VA all campuses	140,369	0	0	126,726	8	5,595	4,208	106	0	3,726
41	U. CA, Davis	140,098	0	209	129,589	169	2,665	640	1,084	245	5,497
42	U. TX M. D. Anderson Cancer Ctr.	136,203	0	0	119,724	4,674	4,162	4,801	1,866	0	976
43	Wake Forest U.	132,753	0	0	131,668	0	1,085	0	0	0	0
44	U. of Medicine and Dentistry NJ	130,587	0	0	130,587	0	0	0	0	0	0
45	IN U. all campuses	129,636	403	0	115,412	0	2,643	8,317	1,663	346	852
46	U. MD Baltimore	117,752	0	0	117,752	0	0	0	0	0	0
47	U. UT	117,551	2,160	10	106,052	0	4,485	2,138	6	0	2,700
48	U. AZ	112,967	537	16	104,860	0	3,770	2,265	884	0	635
49	U. FL	112,356	423	2,848	95,070	2,665	1,323	7,303	265	0	2,459
50	U. CA, Irvine	111,251	708	0	99,696	493	3,927	1,444	2,071	0	2,912
51	U. MA Worcester	110,444	0	0	110,444	0	0	0	0	0	0
52	U. TX Medical Branch	108,088	0	0	106,933	0	0	0	0	0	1,155
53	U. Miami	107,517	0	3,243	92,326	0	0	8,958	2,427	0	563
54	SUNY Buffalo all campuses	103,460	648	0	97,421	0	2,057	2,336	86	0	912
55	Medical C. WI	98,797	0	0	98,797	0	0	0	0	0	0
56	U. TX Health Science Ctr. Houston	98,729	0	0	98,729	0	0	0	0	0	0
57	Wayne State U.	96,593	53	0	88,400	0	2,609	3,702	708	56	1,065
58	Medical U. SC	94,339	0	0	94,339	0	0	0	0	0	0
59	U. CA, Berkeley	91,396	0	0	71,605	397	6,788	4,504	3,791	934	3,377
60	U. TX Health Science Ctr. San Antonio	90,135	0	0	90,135	0	0	0	0	0	0
61	Dartmouth C.	88,582	360	67	81,679	0	1,201	2,747	119	510	1,899
62	SUNY Albany	88,229	0	0	84,209	0	545	688	2,787	0	0
63	PA State U. all campuses	87,385	40	1,439	64,389	115	4,074	8,758	6,581	0	1,989
64	Rockefeller U.	83,063	0	0	78,772	1,057	3,234	0	0	0	0
65	U. CT all campuses	82,292	878	0	70,655	290	1,252	7,147	1,359	137	574
66	Thomas Jefferson U.	80,823	0	0	80,823	0	0	0	0	0	0
67	VA Commonwealth U.	79,873	0	217	72,913	0	2,892	3,601	35	0	215
68	Georgetown U.	79,420	0	0	77,778	0	499	723	420	0	0
69	LA State U. all campuses	78,429	0	0	75,663	0	2,471	295	0	0	0
70	U. KY all campuses	75,767	0	0	67,827	101	2,114	4,896	80	0	749

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 2005

(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
71	U. KS all campuses	74,445	0	0	70,393	0	856	606	2,446	3	141
72	Tulane U.	73,183	0	0	70,989	411	0	249	1,092	0	442
73	U. NM all campuses	71,515	504	0	61,605	30	1,366	7,890	40	80	0
74	SUNY Stony Brook all campuses	70,240	0	0	61,162	959	2,696	2,958	134	0	2,331
75	Tufts U.	68,833	0	0	62,639	0	1,321	2,498	0	0	2,375
76	U. NE all campuses	68,311	531	22	57,091	246	551	4,663	2,641	0	2,566
77	Rutgers, The State U. NJ all campuses	64,500	0	58	52,935	40	6,430	3,283	1,048	0	706
78	U. VT	64,094	0	0	60,634	172	208	1,181	0	1,835	64
79	George Washington U.	57,165	0	0	24,624	30,989	18	1,511	11	0	12
80	U. AR for Medical Sciences	57,152	0	0	56,760	0	0	392	0	0	0
81	U. OK all campuses	56,842	0	0	52,443	0	1,230	386	1,925	0	858
82	U. IL Urbana-Champaign	56,835	342	699	31,995	45	11,351	5,813	1,061	728	4,801
83	Brown U.	53,089	222	42	49,061	97	1,705	1,083	821	0	58
84	U. South FL	51,047	0	0	46,410	0	1,258	2,244	474	0	661
85	U. Louisville	49,882	0	0	45,737	49	400	2,905	0	0	791
86	U. HI Manoa	47,708	0	596	45,696	0	414	103	591	308	0
87	Rush U.	47,410	0	0	45,658	0	0	1,752	0	0	0
88	U. TX Austin	46,847	164	0	24,034	73	10,196	5,870	4,018	373	2,119
89	TX A&M U. all campuses	45,771	0	2,697	28,176	554	8,278	1,585	915	0	3,566
90	Temple U.	45,468	261	0	36,856	0	957	5,667	321	0	1,406
91	U. MO-Columbia	42,647	939	5	35,746	223	1,135	4,457	10	0	132
92	CO State U.	42,216	0	0	33,813	0	3,064	3,621	434	740	544
93	Purdue U. all campuses	42,106	211	0	31,317	129	4,559	2,848	798	21	2,223
94	CA Institute of Technology	41,748	0	0	28,838	138	9,579	0	0	88	3,105
95	St. Louis U. all campuses	41,366	0	0	41,271	0	95	0	0	0	0
96	MI State U.	41,028	46	41	34,303	46	3,199	2,181	674	0	538
97	Medical C. GA	40,840	0	0	40,840	0	0	0	0	0	0
98	U. GA	39,239	142	0	30,444	27	1,387	5,868	1,371	0	0
99	Princeton U.	38,946	4	0	24,791	0	2,427	6,204	5,057	0	463
100	Charles R. Drew U. of Medicine and Science	38,722	0	0	38,722	0	0	0	0	0	0
101	U. MS all campuses	37,579	0	0	37,510	0	69	0	0	0	0
102	TX A&M U. System Health Science Ctr.	30,153	0	550	29,100	0	0	101	0	0	402
103	Brandeis U.	28,554	385	0	20,696	0	1,946	1,963	3,564	0	0
104	Loyola U. Chicago	26,662	0	0	26,121	0	195	285	61	0	0
105	Howard U.	26,659	0	0	26,454	0	0	140	0	0	65

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 2005

(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
106	Meharry Medical C.	26,437	0	0	26,437	0	0	0	0	0	0
107	U. SC all campuses	26,258	33	630	18,906	256	1,568	3,946	313	149	457
108	Drexel U.	25,045	0	0	23,056	0	475	556	0	0	958
109	NY Medical C.	24,738	0	0	24,738	0	0	0	0	0	0
110	AZ State U. main campus	24,628	157	0	8,239	170	2,203	6,712	2,869	1,442	2,836
111	U. MD Biotechnology Institute	23,836	0	925	22,911	0	0	0	0	0	0
112	WV U.	23,636	130	7	21,770	0	671	104	233	0	721
113	U. MD College Park	22,970	167	0	11,408	0	3,222	3,618	3,860	0	695
114	U. OR	22,960	0	0	16,737	0	83	5,866	274	0	0
115	SUNY Health Science Ctr. Brooklyn	22,578	0	0	22,578	0	0	0	0	0	0
116	Morehouse School of Medicine	22,104	0	0	22,104	0	0	0	0	0	0
117	U. Houston	21,932	660	0	10,399	166	455	6,566	3,105	0	581
118	IA State U.	21,507	308	0	11,343	478	1,388	212	7,238	0	540
119	U. DE	21,184	130	49	5,984	0	4,623	2,456	2,289	2,028	3,625
120	U. NV, Reno	20,157	218	0	19,542	0	214	113	19	51	0
121	FL State U.	19,802	57	149	10,960	383	2,188	3,420	2,398	0	247
122	GA Institute of Technology all campuses	19,380	12	0	3,555	0	2,337	1,310	206	0	11,960
123	Carnegie Mellon U.	19,315	1,837	0	4,852	1,234	1,578	1,677	3,640	371	4,126
124	WA State U.	19,285	0	0	16,208	99	1,572	1,263	143	0	0
125	OR State U.	18,227	0	0	15,729	0	1,832	48	314	72	232
126	U. of Notre Dame	17,961	0	0	7,719	0	6,079	3,829	205	3	126
127	San Diego State U.	17,930	0	69	12,785	0	91	4,639	346	0	0
128	U. CA, Santa Cruz	16,140	0	1,499	5,613	0	4,380	352	28	0	4,268
129	U. North TX Health Science Ctr. Ft. Worth	15,943	0	0	15,943	0	0	0	0	0	0
130	CUNY Hunter C.	14,682	0	0	7,133	0	3,123	4,350	76	0	0
131	NC State U.	14,612	0	0	9,085	2,430	1,184	0	394	2	1,517
132	Loma Linda U.	14,365	0	0	14,365	0	0	0	0	0	0
133	Medical U. OH	14,239	0	0	14,239	0	0	0	0	0	0
134	U. CA, Riverside	14,102	0	0	10,449	0	1,051	1,710	741	0	151
135	U. MO-Kansas City	13,916	0	0	11,101	0	511	2,302	0	0	2
136	FL International U.	13,546	NA	NA	NA	NA	NA	NA	NA	NA	NA
137	MT State U. Bozeman	13,294	0	0	10,936	0	1,744	0	0	0	614
138	U. CA, Santa Barbara	13,253	0	872	2,944	81	2,804	1,533	10	3,325	1,684
139	U. TN all campuses	12,798	64	0	9,631	0	270	145	12	970	1,706
140	Auburn U. all campuses	12,767	0	0	9,960	0	1,632	292	77	0	806

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 2005

(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
141	U. MA Amherst	12,474	0	0	6,483	138	2,298	2,849	573	0	133
142	U. SD	12,359	0	0	12,125	0	0	152	82	0	0
143	Uniformed Services U. of the Health Sciences	12,282	0	0	12,282	0	0	0	0	0	0
144	U. MT, The	11,808	0	0	10,810	0	443	552	3	0	0
145	U. South AL	11,732	0	0	11,732	0	0	0	0	0	0
146	U. MD Baltimore County	11,672	109	0	7,269	174	1,082	665	1,248	0	1,125
147	VA Polytechnic Institute and State U.	11,617	146	0	7,101	0	1,202	1,013	0	0	2,155
148	UT State U.	11,518	0	0	9,515	0	846	1,157	0	0	0
149	Jackson State U.	11,475	0	1,637	7,501	0	52	899	0	1,386	0
150	Albany Medical C.	11,194	0	0	11,194	0	0	0	0	0	0
151	GA State U.	11,046	0	0	6,950	0	1,270	2,795	31	0	0
152	U. ID	10,298	0	280	9,741	34	66	96	0	0	81
153	Wright State U. all campuses	10,238	2	0	9,942	8	0	286	0	0	0
154	Northeastern U.	9,730	0	0	5,999	0	1,664	1,655	0	0	412
155	Rosalind Franklin U. of Medicine and Science	9,612	0	0	9,361	0	0	251	0	0	0
156	U. RI	9,393	0	41	5,306	0	0	1,682	0	2,281	83
157	CUNY The City C.	9,103	0	0	6,699	0	713	374	0	0	1,317
158	U. ND all campuses	9,071	0	0	8,850	0	57	67	0	0	97
159	U. TX San Antonio	8,991	0	178	8,063	0	359	34	79	0	278
160	San Francisco State U.	8,719	NA	NA	NA	NA	NA	NA	NA	NA	NA
161	Southern IL U. Carbondale	8,389	0	0	7,512	0	140	463	47	215	12
162	FL A&M U.	8,225	0	0	7,388	0	708	0	0	0	129
163	Universidad Central del Caribe	8,163	0	0	8,163	0	0	0	0	0	0
164	U. PR Rio Piedras Campus	8,094	0	0	3,483	59	2,924	1,490	0	138	0
165	U. AK Fairbanks all campuses	8,015	0	14	3,934	0	0	150	0	3,917	0
166	U. WY	7,549	0	0	6,576	0	230	548	0	0	195
167	Syracuse U. all campuses	7,341	0	0	1,152	2	826	3,805	127	402	1,027
168	Rensselaer Polytechnic Institute	7,025	0	148	914	372	1,258	0	0	0	4,333
169	East Carolina U.	6,859	0	0	6,645	0	187	13	14	0	0
170	Boston C.	6,745	0	0	3,186	0	2,637	189	733	0	0
171	NM State U. all campuses	6,671	0	0	1,298	0	5,237	7	0	129	0
172	U. Memphis, The	6,587	0	0	1,416	1	32	3,653	1,485	0	0
173	U. TX El Paso	6,573	0	0	5,088	25	619	841	0	0	0
174	OK State U. all campuses	6,553	0	0	5,717	0	180	0	111	112	433
175	U. WI Milwaukee	6,317	0	763	1,659	0	662	617	1,628	0	988



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 2005

(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
176	Marshall U.	6,168	0	0	6,162	0	0	0	0	0	6
177	U. NH	6,092	0	74	2,361	0	3,072	60	374	0	151
178	Rice U.	5,884	2	0	2,222	265	594	528	0	0	2,273
179	TX Tech U. Health Science Ctr.	5,841	0	0	5,841	0	0	0	0	0	0
180	ND State U. all campuses	5,366	0	0	1,479	0	1,925	1,812	91	59	0
181	U. AL, The	5,208	0	0	1,102	0	60	2,423	1,575	0	48
182	FL Atlantic U.	5,011	0	0	3,655	0	760	591	0	0	5
183	U. TX Dallas	4,885	852	665	1,251	8	1,466	98	30	73	442
184	MS State U.	4,790	0	7	2,790	76	357	359	1,080	0	121
185	U. Denver	4,737	0	0	1,596	0	1,106	2,021	14	0	0
186	U. Central FL	4,631	0	0	2,650	0	0	22	2	0	1,957
187	U. MA Lowell	4,365	0	0	2,149	0	34	0	330	165	1,687
188	East TN State U.	4,321	0	0	4,237	0	0	84	0	0	0
189	U. AR main campus	4,238	0	0	1,081	0	2,955	41	74	0	87
190	SUNY Binghamton	4,217	0	0	159	0	75	2,349	98	0	1,536
191	IL Institute of Technology	4,186	0	0	100	0	1,825	502	0	2	1,757
192	U. Southern MS	4,156	0	22	3,940	0	52	50	0	92	0
193	Portland State U.	4,103	0	0	1,390	0	754	88	1,852	0	19
194	Marquette U.	3,643	0	0	2,515	54	227	260	74	0	513
195	Wesleyan U.	3,535	0	0	2,219	0	745	571	0	0	0
196	CA State U. Northridge	3,503	0	161	868	0	966	859	0	649	0
197	Teachers C. Columbia U.	3,489	0	0	1,473	0	0	2,016	0	0	0
198	Brigham Young U. all campuses	3,461	0	0	1,358	0	1,564	264	1	0	274
199	George Mason U.	3,435	83	0	1,775	77	53	818	629	0	0
200	U. LA Lafayette	3,409	0	0	3,392	0	0	17	0	0	0
201	Northern IL U.	3,366	0	0	2,137	0	343	874	12	0	0
202	CA State U. Los Angeles	3,310	0	0	1,241	0	2,069	0	0	0	0
203	Clark Atlanta U.	3,242	0	0	2,145	0	44	300	32	721	0
204	Tuskegee U.	3,236	0	0	2,175	0	0	0	1,061	0	0
205	CUNY Herbert H. Lehman C.	3,228	0	0	1,529	0	0	1,699	0	0	0
206	Clemson U.	3,216	0	0	1,937	84	532	17	3	0	643
207	Northern AZ U.	3,076	0	0	2,930	0	125	21	0	0	0
208	DePaul U.	2,933	0	0	63	0	0	2,651	219	0	0
209	Southern Methodist U.	2,931	0	0	1,460	0	205	1,254	5	0	7
210	TX Christian U.	2,812	0	0	151	0	199	2,462	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 2005

(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
211	U. MA Boston	2,799	0	0	660	0	86	916	1,137	0	0
212	Bowling Green State U. all campuses	2,787	0	0	920	0	382	865	620	0	0
213	U. NC Charlotte	2,664	0	0	2,612	0	0	52	0	0	0
214	Oakland U.	2,611	0	0	1,919	0	672	0	0	0	20
215	TX Southern U.	2,557	0	0	2,557	0	0	0	0	0	0
216	TN State U.	2,526	0	0	1,505	54	0	1	966	0	0
217	ID State U.	2,518	0	0	2,514	0	0	0	4	0	0
218	Catholic U. America, The	2,467	0	0	1,733	0	230	471	0	0	33
219	Northeastern OH Universities C. of Medicine	2,458	0	0	2,458	0	0	0	0	0	0
220	Morgan State U.	2,452	0	0	400	1,877	175	0	0	0	0
221	Kent State U. all campuses	2,427	0	0	1,001	0	275	1,113	38	0	0
222	TX A&M U. Kingsville	2,368	0	0	2,368	0	0	0	0	0	0
223	TX Tech U.	2,358	14	745	725	1	351	0	459	0	63
224	Morehouse C.	2,275	0	0	367	0	0	371	1,537	0	0
225	Lehigh U.	2,212	0	0	1,458	0	640	62	0	0	52
226	CA State U. Long Beach	2,179	0	0	1,682	0	461	36	0	0	0
227	Spelman C.	2,095	1	0	1,429	0	357	308	0	0	0
228	U. TX Arlington	2,076	0	0	144	0	749	741	115	0	327
229	U. NC Wilmington	2,075	0	0	1,545	0	115	415	0	0	0
230	U. Toledo	2,049	0	0	1,479	0	271	99	51	0	149
231	CUNY Brooklyn C.	2,038	366	0	242	0	161	1,269	0	0	0
232	Duquesne U.	1,996	0	0	1,884	0	112	0	0	0	0
233	CA State Polytechnic U. Pomona	1,949	0	0	1,949	0	0	0	0	0	0
234	SUNY C. of Optometry	1,946	0	0	1,946	0	0	0	0	0	0
235	U. NV, Las Vegas	1,937	138	11	1,533	0	78	0	154	0	23
236	U. of the VI	1,883	0	0	1,883	0	0	0	0	0	0
237	DE State U.	1,864	0	0	1,864	0	0	0	0	0	0
238	U. NC Greensboro	1,837	0	0	1,325	0	258	254	0	0	0
239	Chicago State U.	1,724	0	0	0	0	0	0	0	1,724	0
240	U. DC	1,694	0	0	442	0	465	0	787	0	0
241	Western MI U.	1,670	0	0	1,525	0	83	30	32	0	0
242	AL State U.	1,612	0	0	1,612	0	0	0	0	0	0
243	Mercer U. all campuses	1,598	0	0	1,592	0	6	0	0	0	0
244	U. PR Mayaguez Campus	1,592	0	793	5	0	703	0	29	0	62
245	U. WA	1,535	0	0	1,490	0	0	0	45	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 2005

(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
246	Boise State U.	1,532	0	445	469	0	108	0	459	0	51
247	U. PR Humacao U. C.	1,514	0	0	0	0	1,514	0	0	0	0
248	U. MO-St. Louis	1,498	0	0	631	0	499	368	0	0	0
249	New England C. of Optometry	1,419	0	0	1,419	0	0	0	0	0	0
250	Shaw U.	1,415	0	0	1,415	0	0	0	0	0	0
251	U. Akron all campuses	1,407	0	0	390	12	115	37	824	0	29
252	CUNY York C.	1,406	0	0	1,406	0	0	0	0	0	0
253	CUNY Queens C.	1,405	0	0	664	0	0	741	0	0	0
254	NC Agricultural and Technical State U.	1,346	0	0	1,246	0	83	0	17	0	0
255	St. John's U. (Jamaica, NY)	1,345	0	0	115	0	346	884	0	0	0
256	CUNY Graduate Ctr.	1,340	312	0	0	0	0	0	0	1,028	0
257	Cleveland State U.	1,281	0	0	997	0	48	22	25	0	189
258	Rochester Institute of Technology	1,274	0	0	1,232	0	42	0	0	0	0
259	Barnard C.	1,264	0	0	31	0	73	1,160	0	0	0
260	CA State U. Fullerton	1,258	0	0	558	0	0	0	700	0	0
261	Gallaudet U.	1,228	0	0	643	0	0	585	0	0	0
262	Wichita State U.	1,225	0	0	516	0	569	111	29	0	0
263	Midwestern U. (Chicago, IL)	1,210	0	0	1,210	0	0	0	0	0	0
264	Black Hills State U.	1,197	0	0	1,197	0	0	0	0	0	0
265	Hampton U.	1,197	0	0	1,197	0	0	0	0	0	0
266	Woods Hole Oceanographic Institution	1,119	0	1,119	0	0	0	0	0	0	0
267	U. ME	1,105	0	3	323	67	66	645	1	0	0
268	PA C. of Optometry	1,060	0	0	1,060	0	0	0	0	0	0
269	Seton Hall U.	1,055	0	0	907	0	148	0	0	0	0
270	MT Tech of the U. MT	1,051	0	0	730	0	139	0	0	0	182
271	Old Dominion U.	1,039	0	0	625	0	0	125	289	0	0
272	Wellesley C.	1,018	0	0	215	0	0	12	39	752	0
273	IL State U.	1,009	0	0	887	0	61	61	0	0	0
274	Fordham U.	995	0	0	209	0	0	570	216	0	0
275	Philadelphia C. of Osteopathic Medicine	973	0	0	973	0	0	0	0	0	0
276	SUNY C. Old Westbury	970	0	0	685	0	285	0	0	0	0
277	San Jose State U.	964	0	0	39	0	473	452	0	0	0
278	SUNY C. Buffalo	932	0	670	0	0	0	210	52	0	0
279	TX Woman's U.	930	0	0	848	0	0	0	0	82	0
280	Western KY U.	901	0	0	484	0	0	395	22	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 2005

(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
281	Benedict C.	895	0	0	895	0	0	0	0	0	0
282	U. LA Monroe	881	0	0	881	0	0	0	0	0	0
283	C. of William and Mary all campuses	875	0	322	132	0	72	116	233	0	0
284	CA State U. Dominguez Hills	810	0	0	805	0	0	5	0	0	0
285	Worcester Polytechnic Institute	809	159	0	71	179	0	0	0	0	400
286	U. CA, Merced	800	0	0	800	0	0	0	0	0	0
287	FL Institute of Technology	792	0	0	239	0	498	55	0	0	0
288	NM Highlands U.	781	0	34	22	0	472	253	0	0	0
289	Claremont Graduate U.	723	0	0	0	0	0	723	0	0	0
290	SD State U.	723	0	0	721	0	0	0	0	0	2
291	GA Southern U.	704	0	6	668	0	0	30	0	0	0
292	U. TX-Pan American	689	0	0	680	0	0	0	0	0	9
293	Albany State U.	665	0	0	665	0	0	0	0	0	0
294	NJ Institute of Technology	659	0	0	0	374	87	0	0	90	108
295	AL A&M U.	632	0	0	21	0	596	0	0	0	15
296	Prairie View A&M U.	629	0	0	613	0	4	0	12	0	0
297	Alcorn State U.	621	0	0	621	0	0	0	0	0	0
298	CO School of Mines	620	0	0	0	0	221	0	0	0	399
299	Clark U.	581	0	139	13	0	115	314	0	0	0
300	Bowdoin C.	578	0	0	506	0	0	72	0	0	0
301	Pace U. all campuses	573	0	0	573	0	0	0	0	0	0
302	U. MO-Rolla	558	0	0	318	0	200	0	0	0	40
303	U. North TX	543	0	0	383	0	0	0	160	0	0
304	SUNY C. Oswego	542	0	0	0	0	0	542	0	0	0
305	CO State U. Pueblo	537	0	0	376	0	161	0	0	0	0
306	Rowan U.	537	0	0	0	0	0	537	0	0	0
307	Northern KY U.	533	0	0	341	0	0	192	0	0	0
308	Augustana C. (Sioux Falls, SD)	526	0	0	526	0	0	0	0	0	0
309	U. of the Pacific	515	0	0	515	0	0	0	0	0	0
310	SUNY C. Plattsburgh	508	0	0	0	0	508	0	0	0	0
311	Mt. St. Mary's C. (Los Angeles, CA)	494	0	0	494	0	0	0	0	0	0
312	Maharishi U. of Management	492	0	0	492	0	0	0	0	0	0
313	Alfred U. all campuses	482	0	0	0	0	0	482	0	0	0
314	TX State U. San Marcos	470	0	0	470	0	0	0	0	0	0
315	Colby C.	465	115	0	297	0	53	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 2005

(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
316	CA State U. Bakersfield	464	0	0	464	0	0	0	0	0	0
317	Calvin C.	461	14	0	65	0	46	280	0	56	0
318	Savannah State U.	457	0	0	457	0	0	0	0	0	0
319	Western U. of Health Sciences	451	0	0	451	0	0	0	0	0	0
320	Bates C.	425	0	0	425	0	0	0	0	0	0
321	U. North FL	424	0	0	336	35	0	0	53	0	0
322	Pomona C.	412	0	0	143	11	0	258	0	0	0
323	Smith C.	411	0	0	151	16	0	71	0	0	173
324	Fayetteville State U.	406	0	0	0	0	0	0	406	0	0
325	James Madison U.	403	0	0	403	0	0	0	0	0	0
326	LA Tech U.	403	104	31	0	0	0	0	0	0	268
327	New School, The	402	0	0	250	0	0	152	0	0	0
328	Trinity C. (Hartford, CT)	397	0	0	45	0	0	287	65	0	0
329	U. AL Huntsville, The	397	0	0	197	0	200	0	0	0	0
330	U. Dayton	395	0	0	395	0	0	0	0	0	0
331	U. MD Eastern Shore	395	0	0	395	0	0	0	0	0	0
332	U. Tulsa	383	3	0	370	0	0	10	0	0	0
333	Milwaukee School of Engineering	381	0	0	381	0	0	0	0	0	0
334	U. Northern CO	373	0	0	99	0	0	0	274	0	0
335	Reed C.	367	0	0	38	0	92	237	0	0	0
336	Morehead State U.	365	0	0	153	0	0	212	0	0	0
337	Southeastern OK State U.	362	0	0	86	0	276	0	0	0	0
338	Bluefield State C.	359	0	0	359	0	0	0	0	0	0
339	Albany C. of Pharmacy	351	0	0	351	0	0	0	0	0	0
340	A.T. Still U. of Health Sciences	344	0	0	344	0	0	0	0	0	0
341	Nova Southeastern U.	338	0	0	101	0	0	237	0	0	0
342	U. San Francisco	333	0	0	0	0	0	333	0	0	0
343	St. Cloud State U.	328	0	0	328	0	0	0	0	0	0
344	U. WI La Crosse	328	107	0	188	0	33	0	0	0	0
345	MI Technological U.	327	0	0	0	70	189	0	0	0	68
346	Juniata C.	323	0	0	323	0	0	0	0	0	0
347	Roger Williams U. Bristol	316	0	0	316	0	0	0	0	0	0
348	Southwest MO State U.	305	0	0	305	0	0	0	0	0	0
349	U. San Diego	303	0	0	249	0	54	0	0	0	0
350	Carleton C.	302	0	0	293	0	0	9	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 2005

(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
351	Central MI U.	299	0	0	127	0	131	38	0	3	0
352	Hamilton C. (Clinton, NY)	288	0	0	22	0	0	266	0	0	0
353	Swarthmore C.	284	0	0	34	0	109	56	0	0	85
354	CA State U. Fresno	282	0	0	0	0	127	155	0	0	0
355	Stevens Institute of Technology	276	0	0	270	0	0	0	0	0	6
356	Heritage U. (Toppenish, WA)	266	0	0	266	0	0	0	0	0	0
357	Hendrix C.	250	0	0	47	0	203	0	0	0	0
358	Hope C.	250	0	0	250	0	0	0	0	0	0
359	Sinte Gleska U.	250	0	0	0	0	0	0	250	0	0
360	U. WI Parkside	242	0	0	242	0	0	0	0	0	0
361	WV State U.	241	0	0	241	0	0	0	0	0	0
362	Western WA U.	239	0	0	89	0	36	77	37	0	0
363	Bryn Mawr C.	232	0	0	181	0	23	28	0	0	0
364	U. West FL	219	0	0	219	0	0	0	0	0	0
365	Loyola Marymount U.	214	0	0	90	0	0	124	0	0	0
366	OH Wesleyan U.	210	0	0	47	0	0	163	0	0	0
367	Clafin U.	205	0	0	205	0	0	0	0	0	0
368	Baylor U.	203	70	0	0	0	56	77	0	0	0
369	CA State U. East Bay	203	0	0	0	0	203	0	0	0	0
370	U. Richmond	200	0	0	105	0	63	0	32	0	0
371	U. MA Dartmouth	199	0	0	0	0	164	35	0	0	0
372	Fairfield U.	195	0	0	0	0	0	41	100	54	0
373	Eastern MI U.	193	0	0	57	0	0	136	0	0	0
374	IN State U. all campuses	187	0	0	14	0	0	173	0	0	0
375	Mayville State U.	185	0	0	185	0	0	0	0	0	0
376	Kansas City U. of Medicine and Biosciences	175	0	0	175	0	0	0	0	0	0
377	U. Houston-Clear Lake	169	0	0	169	0	0	0	0	0	0
378	Lafayette C.	163	0	0	0	0	40	0	96	0	27
379	Eastern KY U.	157	0	0	157	0	0	0	0	0	0
380	CUNY Medgar Evers C.	141	0	0	141	0	0	0	0	0	0
381	C. Charleston	136	0	0	10	0	92	34	0	0	0
382	U. WI Eau Claire	136	0	0	82	0	0	54	0	0	0
383	St. Mary's C. MD	133	0	0	0	0	0	133	0	0	0
384	Central CT State U.	132	0	0	118	0	0	0	14	0	0
385	Ft. Lewis C.	130	0	0	130	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 2005

(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
386	CA State Polytechnic U. San Luis Obispo	127	0	0	0	0	0	42	0	85	0
387	VA State U.	127	0	0	127	0	0	0	0	0	0
388	Rose-Hulman Institute of Technology	122	0	0	0	0	0	0	0	0	122
389	Bucknell U.	118	0	0	35	0	51	0	0	0	32
390	Furman U.	118	0	0	44	0	71	3	0	0	0
391	Governors State U.	118	0	0	118	0	0	0	0	0	0
392	Western IL U.	116	0	0	21	0	95	0	0	0	0
393	Amherst C.	111	0	0	0	0	37	74	0	0	0
394	Indiana U. PA all campuses	110	0	0	0	0	0	47	63	0	0
395	Manhattan C.	108	0	0	0	0	0	0	0	0	108
396	Pitzer C.	108	0	0	0	0	0	108	0	0	0
397	Evergreen State C.	105	0	0	105	0	0	0	0	0	0
398	Kalamazoo C.	98	0	0	51	47	0	0	0	0	0
399	WV School of Osteopathic Medicine	96	0	0	96	0	0	0	0	0	0
400	Gettysburg C.	93	0	0	0	0	0	93	0	0	0
401	Drake U.	92	0	0	29	0	0	29	0	34	0
402	CUNY Baruch C.	91	0	0	0	0	0	91	0	0	0
403	Mt. Holyoke C.	91	0	0	7	0	84	0	0	0	0
404	NJ City U.	90	0	0	90	0	0	0	0	0	0
405	Middle TN State U.	87	0	0	27	0	60	0	0	0	0
406	U. Puget Sound	82	0	0	0	0	0	0	82	0	0
407	MS Valley State U.	75	0	0	75	0	0	0	0	0	0
408	U. Hartford	72	0	0	0	0	0	60	12	0	0
409	KY State U.	71	0	0	0	0	0	0	0	0	71
410	Augustana C. (Rock Island, IL)	69	0	0	69	0	0	0	0	0	0
411	U. Houston-Downtown	69	0	0	69	0	0	0	0	0	0
412	Trinity U.	68	0	0	0	0	0	68	0	0	0
413	U. AR Pine Bluff	66	0	0	0	0	66	0	0	0	0
414	Southeastern LA U.	65	0	0	65	0	0	0	0	0	0
415	Lake Forest C.	63	0	0	63	0	0	0	0	0	0
416	U. Scranton	62	0	0	22	0	40	0	0	0	0
417	Elizabeth City State U.	61	0	0	61	0	0	0	0	0	0
418	CA State U. San Bernardino	60	0	0	36	0	4	20	0	0	0
419	Rider U.	60	0	0	59	0	0	0	1	0	0
420	Oberlin C.	58	0	0	58	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 2005

(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
421	New C. FL	56	0	0	56	0	0	0	0	0	0
422	SUNY C. Geneseo	56	0	0	0	0	0	56	0	0	0
423	Ball State U.	55	0	0	55	0	0	0	0	0	0
424	Murray State U.	55	0	0	55	0	0	0	0	0	0
425	Seattle U.	53	0	0	53	0	0	0	0	0	0
426	U. Portland	53	0	0	53	0	0	0	0	0	0
427	Grand Valley State U.	48	0	0	0	0	0	48	0	0	0
428	National U. of Health Sciences	48	0	0	48	0	0	0	0	0	0
429	Embry-Riddle Aeronautical U.	46	0	0	0	0	0	0	0	0	46
430	St. Olaf C.	42	0	0	42	0	0	0	0	0	0
431	U. Northern IA	42	0	0	0	0	0	0	42	0	0
432	Loyola C.	39	0	0	0	33	0	0	6	0	0
433	Southern IL U. Edwardsville	39	0	0	37	0	0	0	2	0	0
434	State U. West GA	39	0	0	0	0	39	0	0	0	0
435	U. of St. Thomas (St. Paul, MN)	39	0	0	39	0	0	0	0	0	0
436	Kennesaw State U.	37	0	0	0	0	37	0	0	0	0
437	Lewis and Clark C.	37	0	0	0	0	37	0	0	0	0
438	U. WI Stevens Point	37	0	0	0	0	37	0	0	0	0
439	Simmons C.	36	0	0	36	0	0	0	0	0	0
440	Pittsburg State U.	35	0	0	9	0	26	0	0	0	0
441	VA Military Institute	35	0	0	0	0	35	0	0	0	0
442	Rhodes C.	32	0	0	32	0	0	0	0	0	0
443	SD School of Mines and Technology	32	0	0	0	0	0	0	0	0	32
444	Vassar C.	32	NA	NA	NA	NA	NA	NA	NA	NA	NA
445	Franklin & Marshall C.	29	0	0	29	0	0	0	0	0	0
446	Appalachian State U.	28	0	0	0	0	0	28	0	0	0
447	Colgate U.	24	0	0	24	0	0	0	0	0	0
448	C. of the Holy Cross	23	0	0	0	0	0	23	0	0	0
449	U. WI Oshkosh	23	0	0	18	0	0	5	0	0	0
450	SUNY C. Cortland	16	0	0	0	0	16	0	0	0	0
451	Harvey Mudd C.	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
452	Allegheny C.	12	0	0	0	0	12	0	0	0	0
453	Ithaca C.	12	0	0	12	0	0	0	0	0	0
454	Central State U.	10	0	0	0	0	10	0	0	0	0
455	Sonoma State U.	9	0	0	0	0	9	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 2005

(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
456	Stephen F. Austin State U.	9	0	0	9	0	0	0	0	0	0
457	West TX A&M U.	9	0	0	9	0	0	0	0	0	0
458	SUNY C. Brockport	8	0	0	0	0	0	8	0	0	0
459	Towson U.	8	0	0	8	0	0	0	0	0	0
460	Macalester C.	6	0	0	0	0	0	6	0	0	0
461	St. Joseph's U.	3	0	0	3	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
	American U.	0	0	0	0	0	0	0	0	0	0
	Andrews 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
	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
	Bridgewater State C.	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
	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
	Christopher Newport U.	0	0	0	0	0	0	0	0	0	0
	Coastal Carolina U.	0	0	0	0	0	0	0	0	0	0
	Cooper Union	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 John Jay C. of Criminal Justice	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
	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
	Fitchburg State C.	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
	Fuller Theological Seminary CA	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

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 2005

(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
	IL Wesleyan U.	0	0	0	0	0	0	0	0	0	0
	Jacksonville State U.	0	0	0	0	0	0	0	0	0	0
	John Carroll U.	0	0	0	0	0	0	0	0	0	0
	KS State U.	0	0	0	0	0	0	0	0	0	0
	Kettering 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
	Lincoln U. (Lincoln University, PA)	0	0	0	0	0	0	0	0	0	0
	Loyola U. New Orleans	0	0	0	0	0	0	0	0	0	0
	McNeese 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
	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
	Norfolk 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
	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
	Pacific U.	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
	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
	Skidmore C.	0	0	0	0	0	0	0	0	0	0
	Southern OR 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. 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

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 2005

(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
	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
	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 International 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 A&M U. Corpus Christi	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. Naval Academy	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. HI Hilo	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. TX Tyler	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. 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 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
	Valparaiso 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 Chester U. PA	0	0	0	0	0	0	0	0	0	0
	Western Carolina 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 2005

(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
	Whitman C.	0	0	0	0	0	0	0	0	0	0
	Wiley C.	0	0	0	0	0	0	0	0	0	0
	Willamette U.	0	0	0	0	0	0	0	0	0	0
	Youngstown State U.	0	0	0	0	0	0	0	0	0	0

HHS = Department of Health and Human Services.

NA = not available; data were not provided by institution.

nec = not elsewhere classified.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005

(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	1,130,168	28,046	217,758	114,035	4,495	353,447	11,515	11,586	8,076	380,121
1	Stanford U.	94,533	214	555	2,391	0	44,006	0	125	0	47,242
2	U. CA, Berkeley	64,793	0	1,339	454	0	61,384	0	0	346	1,270
3	U. CO all campuses	43,688	0	28,457	140	14	9,511	121	0	0	5,445
4	U. AZ	40,139	0	470	1,048	0	37,879	0	0	0	742
5	Hampton U.	34,260	0	0	0	0	0	0	0	0	34,260
6	MA Institute of Technology	32,903	1,431	4,929	144	0	12,051	0	94	0	14,254
7	U. MD College Park	31,489	747	4,380	365	120	10,701	0	5,750	0	9,426
8	UT State U.	30,155	0	591	1,817	0	470	0	0	0	27,277
9	Baylor C. of Medicine	29,084	0	0	29,084	0	0	0	0	0	0
10	NM State U. all campuses	20,319	0	0	0	17	386	0	0	297	19,619
11	U. AL Huntsville, The	19,297	2,345	3,231	780	6	5,282	1	50	1	7,601
12	U. MD Baltimore County	18,899	0	15,039	43	0	3,365	232	0	0	220
13	U. CA, Santa Cruz	18,703	102	438	31	0	2,512	0	0	0	15,620
14	GA Institute of Technology all campuses	17,995	54	1,804	0	0	802	0	889	0	14,446
15	Johns Hopkins U., The <sup>a</sup>	17,270	102	465	1,697	0	13,731	0	0	0	1,275
16	U. MI all campuses	16,732	0	109	965	0	2,338	152	0	0	13,168
17	CA Institute of Technology	16,679	520	3,113	1,182	0	11,430	0	0	0	434
18	U. HI Manoa	14,600	0	5,345	238	0	8,759	0	0	228	30
19	PA State U. all campuses	13,836	136	2,956	343	34	7,384	0	0	0	2,983
20	U. CA, Los Angeles	12,862	47	2,776	497	0	6,279	0	213	0	3,050
21	U. AK Fairbanks all campuses	11,966	0	11,715	27	0	0	0	0	6	218
22	AZ State U. main campus	11,908	2	9,047	150	41	1,496	0	17	18	1,137
23	San Jose State U.	11,725	0	655	0	0	489	9,335	247	0	999
24	Columbia U. in the City of NY	11,699	0	6,321	1,065	0	1,994	0	0	0	2,319
25	U. NH	11,058	0	10,942	0	0	59	0	8	0	49
26	U. WI Madison	11,041	0	6,152	787	44	2,371	0	0	0	1,687
27	TX A&M U. all campuses	10,938	56	1,236	1,238	0	82	104	0	0	8,222
28	U. WA	10,835	0	4,389	1,040	0	3,557	0	0	0	1,849
29	U. FL	10,211	0	0	1,249	0	1,298	26	26	0	7,612
30	CO State U.	9,506	0	7,446	1,820	0	79	0	0	0	161
31	Carnegie Mellon U.	9,036	7,229	0	148	41	661	173	0	0	784
32	Princeton U.	8,954	0	654	59	0	2,612	0	49	0	5,580
33	George Mason U.	8,529	1,494	6,150	2	0	461	21	0	0	401
34	U. CA, San Diego	8,529	0	4,024	596	0	3,273	0	0	0	636
35	U. TX Austin	8,513	85	232	248	0	1,946	78	0	0	5,924

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 2005

(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	Purdue U. all campuses	8,509	0	365	0	0	497	0	0	1,821	5,826
37	OH State U. all campuses	8,477	31	1,907	280	88	1,424	0	25	0	4,722
38	U. AL Birmingham, The	8,234	0	0	6,755	0	86	0	0	0	1,393
39	Harvard U.	8,016	0	4,417	728	0	1,554	197	0	0	1,120
40	Boston U.	7,621	15	1,987	527	0	3,756	0	0	327	1,009
41	U. Central FL	7,223	0	5,280	76	30	114	0	0	0	1,723
42	MT State U. Bozeman	7,050	0	0	3,316	0	3,483	0	0	5	246
43	U. IL Urbana-Champaign	7,003	1,535	558	466	0	1,054	102	5	525	2,758
44	OR State U.	6,709	0	5,001	1,033	0	0	18	0	0	657
45	Case Western Reserve U.	6,694	0	184	276	1	627	0	0	0	5,606
46	U. IA	6,268	0	173	171	0	5,301	0	0	0	623
47	U. Southern CA	6,073	1,290	1,382	0	0	94	0	0	84	3,223
48	Washington U. St. Louis	5,663	0	1,987	693	0	2,584	0	0	0	399
49	Loma Linda U.	5,515	0	0	5,515	0	0	0	0	0	0
50	Old Dominion U.	4,940	89	165	0	299	101	179	0	0	4,107
51	Cornell U. all campuses	4,931	124	257	380	0	2,652	0	0	0	1,518
52	U. MO-Columbia	4,830	0	0	4,236	0	157	0	1	0	436
53	U. Chicago	4,743	0	698	0	185	3,832	0	28	0	0
54	U. Toledo	4,649	0	37	0	0	391	0	0	0	4,221
55	MS State U.	4,563	31	981	952	0	257	0	19	0	2,323
56	U. VA all campuses	4,563	513	648	338	0	1,324	0	0	31	1,709
57	U. CA, Irvine	4,559	70	960	1,035	0	1,206	0	0	0	1,288
58	U. Miami	4,546	0	3,724	156	0	604	0	0	0	62
59	U. CA, Santa Barbara	4,399	2,211	341	0	0	1,234	0	183	0	430
60	U. MN all campuses	4,273	74	294	196	0	2,799	0	0	0	910
61	Cleveland State U.	4,012	0	30	0	0	88	0	0	0	3,894
62	U. NM all campuses	3,990	0	2,748	0	49	806	0	0	0	387
63	IA State U.	3,832	8	44	61	0	96	0	0	0	3,623
64	MI State U.	3,809	0	6	1,790	0	1,132	0	557	0	324
65	Catholic U. America, The	3,780	0	0	0	0	3,683	66	0	0	31
66	Auburn U. all campuses	3,643	0	507	0	0	274	0	0	801	2,061
67	U. ID	3,583	0	23	468	0	354	0	0	0	2,738
68	Brown U.	3,459	0	2,324	331	0	763	0	0	0	41
69	CO School of Mines	3,406	0	0	0	0	2,465	0	0	0	941
70	U. Southern MS	3,372	46	1,556	0	0	460	0	14	1,093	203

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 2005

(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
71	SUNY Stony Brook all campuses	3,219	0	997	411	69	810	0	0	0	932
72	U. TX Dallas	3,026	528	412	775	5	908	61	18	45	274
73	Morgan State U.	3,002	252	0	0	15	77	0	0	0	2,658
74	Norfolk State U.	2,901	43	0	18	799	1,784	0	0	0	257
75	TN State U.	2,868	0	0	0	0	575	0	0	0	2,293
76	Rice U.	2,767	0	63	495	112	1,752	62	0	0	283
77	U. CA, Davis	2,629	0	200	970	106	425	61	0	0	867
78	NC State U.	2,545	0	511	646	121	283	0	0	0	984
79	Marshall U.	2,508	0	0	271	1	5	0	0	0	2,231
80	FL State U.	2,492	79	1,478	195	141	68	0	0	0	531
81	Rochester Institute of Technology	2,465	0	0	0	0	2,341	0	0	0	124
82	U. OK all campuses	2,419	161	1,117	245	0	302	104	0	0	490
83	U. MT, The	2,394	18	0	675	0	4	0	1,697	0	0
84	CA State U. Monterey Bay	2,356	0	1,943	413	0	0	0	0	0	0
85	Rutgers, The State U. NJ all campuses	2,348	113	880	8	0	951	0	0	0	396
86	U. TX Medical Branch	2,348	0	0	2,035	0	0	0	0	0	313
87	U. KS all campuses	2,344	0	776	413	0	196	0	0	0	959
88	Dartmouth C.	2,342	0	16	292	0	1,196	0	126	0	712
89	U. Houston	2,231	0	37	536	0	119	0	0	0	1,539
90	U. ND all campuses	2,174	0	2,058	0	0	7	0	1	92	16
91	Tulane U.	2,164	0	4	547	0	179	0	0	0	1,434
92	IN U. all campuses	2,151	11	889	458	0	675	0	108	0	10
93	U. TN all campuses	2,146	0	716	612	0	116	0	0	0	702
94	Northwestern U.	2,128	0	585	0	0	596	0	0	0	947
95	Prairie View A&M U.	2,126	0	0	0	0	81	0	0	0	2,045
96	Vanderbilt U.	2,113	0	0	3	0	419	0	0	0	1,691
97	CUNY The City C.	2,087	0	59	0	0	1,535	0	0	0	493
98	LA State U. all campuses	2,071	62	43	311	18	1,462	0	13	0	162
99	Drexel U.	2,004	0	0	151	0	549	0	0	0	1,304
100	Fisk U.	2,000	0	0	0	0	2,000	0	0	0	0
101	U. PR Rio Piedras Campus	1,997	0	0	0	0	1,997	0	0	0	0
102	U. CT all campuses	1,970	14	151	849	0	401	0	40	0	515
103	VA Commonwealth U.	1,938	0	0	1,093	0	54	0	0	0	791
104	Rensselaer Polytechnic Institute	1,903	0	50	0	0	1,099	0	0	0	754
105	NC Agricultural and Technical State U.	1,881	100	0	0	14	152	0	0	0	1,615

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 2005

(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
106	AL A&M U.	1,872	0	0	1,391	8	423	0	0	0	50
107	Morehouse School of Medicine	1,869	0	0	1,869	0	0	0	0	0	0
108	U. CA, Riverside	1,860	0	1,048	812	0	0	0	0	0	0
109	U. MO-Rolla	1,769	0	0	0	0	811	0	0	0	958
110	U. PA	1,751	86	0	433	0	1,224	0	0	0	8
111	U. South FL	1,690	0	1,493	164	0	0	0	0	0	33
112	Duke U.	1,686	0	219	481	0	232	0	0	0	754
113	WV U.	1,683	0	1	0	0	24	0	0	0	1,658
114	U. RI	1,676	4	1,495	0	0	2	67	0	0	108
115	U. MA Amherst	1,651	314	197	0	0	759	0	0	0	381
116	U. Akron all campuses	1,648	0	0	0	249	288	0	19	0	1,092
117	U. NV, Reno	1,629	211	515	273	33	233	4	0	0	360
118	U. Pittsburgh all campuses	1,625	0	259	358	0	1,008	0	0	0	0
119	FL Atlantic U.	1,578	0	0	0	0	1	0	0	0	1,577
120	VA Polytechnic Institute and State U.	1,576	0	2	92	0	148	0	0	0	1,334
121	U. TX El Paso	1,574	97	1,025	6	0	241	0	0	0	205
122	U. SC all campuses	1,564	0	203	430	0	86	0	594	0	251
123	U. Cincinnati all campuses	1,544	0	69	0	0	42	0	56	0	1,377
124	U. NE all campuses	1,543	30	237	327	0	10	0	0	0	939
125	U. MS all campuses	1,541	0	0	221	0	0	0	14	0	1,306
126	Yale U.	1,517	0	366	126	0	489	0	0	0	536
127	Clemson U.	1,516	0	0	0	0	937	0	0	0	579
128	Embry-Riddle Aeronautical U.	1,512	18	0	0	0	0	0	0	1,216	278
129	Tufts U.	1,509	0	204	395	0	470	0	0	0	440
130	CA State U. Los Angeles	1,476	12	0	0	0	103	0	4	0	1,357
131	TX Southern U.	1,474	0	0	106	0	1,169	0	0	199	0
132	Christopher Newport U.	1,458	0	0	111	174	1,173	0	0	0	0
133	U. West FL	1,453	1,453	0	0	0	0	0	0	0	0
134	U. Rochester	1,443	0	81	152	0	557	0	0	0	653
135	Clark Atlanta U.	1,441	78	0	0	0	1,228	0	0	11	124
136	U. MA Lowell	1,402	0	886	334	0	34	78	0	0	70
137	NJ Institute of Technology	1,391	0	0	0	38	1,306	0	0	0	47
138	U. Louisville	1,361	4	52	988	0	93	17	0	0	207
139	San Diego State U.	1,328	0	1,068	46	0	104	0	0	0	110
140	U. PR Mayaguez Campus	1,313	0	268	41	0	111	0	0	0	893



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 2005

(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
141	Northeastern U.	1,295	0	0	6	0	46	0	0	0	1,243
142	Western KY U.	1,279	0	0	0	0	1,279	0	0	0	0
143	George Washington U.	1,268	0	0	0	62	172	0	0	0	1,034
144	U. DE	1,231	0	134	0	0	649	0	0	0	448
145	Bowie State U.	1,200	1,100	0	100	0	0	0	0	0	0
146	SUNY Buffalo all campuses	1,154	18	226	870	0	0	0	0	0	40
147	U. UT	1,152	0	719	115	0	0	0	0	0	318
148	Desert Research Institute	1,101	0	898	184	0	0	0	0	19	0
149	Polytechnic U.	1,050	750	0	0	0	0	0	0	0	300
150	Portland State U.	1,036	106	275	209	0	128	0	152	0	166
151	OH U. all campuses	1,015	0	177	0	0	64	0	0	0	774
152	Wichita State U.	1,012	0	0	0	0	59	0	0	0	953
153	U. MA Dartmouth	1,005	0	980	0	0	25	0	0	0	0
154	C. Charleston	1,001	0	923	0	47	31	0	0	0	0
155	U. NC Chapel Hill	998	0	268	394	0	127	0	209	0	0
156	Woods Hole Oceanographic Institution	982	0	858	0	0	0	0	0	0	124
157	U. CA, San Francisco	959	0	0	837	0	122	0	0	0	0
158	U. VT	938	0	35	106	797	0	0	0	0	0
159	U. GA	935	0	66	504	0	365	0	0	0	0
160	SD School of Mines and Technology	914	0	157	0	0	0	0	0	626	131
161	U. TX Health Science Ctr. Houston	892	0	0	892	0	0	0	0	0	0
162	ID State U.	878	0	867	0	0	8	0	0	0	3
163	U. AL, The	862	15	0	68	0	167	0	0	0	612
164	TX Tech U.	838	162	186	204	0	60	0	0	0	226
165	Scripps Research Institute, The	824	0	0	824	0	0	0	0	0	0
166	U. Denver	806	0	0	0	0	442	0	0	0	364
167	FL Institute of Technology	798	0	0	34	0	422	0	0	0	342
168	U. IL Chicago	790	0	157	196	0	4	0	0	0	433
169	Bowling Green State U. all campuses	783	415	47	81	23	35	182	0	0	0
170	Syracuse U. all campuses	779	55	0	24	21	120	0	26	6	527
171	U. TX Southwestern Medical Ctr. Dallas	772	0	0	772	0	0	0	0	0	0
172	FL International U.	764	NA	NA	NA	NA	NA	NA	NA	NA	NA
173	Thomas Jefferson U.	758	0	0	758	0	0	0	0	0	0
174	NY U.	749	0	0	414	128	207	0	0	0	0
175	Brandeis U.	737	0	0	736	0	1	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 2005

(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
176	U. WY	705	0	117	2	0	460	0	0	0	126
177	Howard U.	676	445	0	0	0	231	0	0	0	0
178	WA State U.	664	0	0	4	0	217	0	0	0	443
179	OK State U. all campuses	639	0	0	69	0	266	0	0	0	304
180	U. Hartford	633	0	0	0	0	0	0	0	0	633
181	FL A&M U.	632	0	0	0	0	516	0	0	0	116
182	GA State U.	608	0	0	0	0	608	0	0	0	0
183	SUNY Albany	599	0	306	0	0	97	0	0	0	196
184	U. of Notre Dame	598	0	0	0	0	292	0	0	0	306
185	MI Technological U.	584	19	189	0	0	109	0	0	0	267
186	C. of William and Mary all campuses	578	5	0	0	0	436	0	0	137	0
187	CUNY Medgar Evers C.	560	67	488	0	0	5	0	0	0	0
188	Middle TN State U.	555	0	0	0	0	0	0	0	0	555
189	Brigham Young U. all campuses	543	0	0	0	0	34	0	0	0	509
190	Stevens Institute of Technology	507	0	394	0	0	105	0	0	8	0
191	U. ME	506	0	495	0	0	1	0	0	0	10
192	Tuskegee U.	488	0	0	127	0	0	0	0	0	361
193	Marquette U.	472	0	0	462	0	6	0	0	0	4
194	U. MD Ctr. for Environmental Science	469	0	469	0	0	0	0	0	0	0
195	TN Technological U.	467	0	0	0	0	0	0	0	0	467
196	U. Dayton	467	0	30	0	42	0	0	0	0	395
197	Ball State U.	466	0	0	347	0	0	0	119	0	0
198	U. TX M. D. Anderson Cancer Ctr.	428	0	0	428	0	0	0	0	0	0
199	U. WI Green Bay	414	0	414	0	0	0	0	0	0	0
200	U.S. Naval Academy	406	0	0	0	12	0	0	0	0	394
201	U. AR main campus	398	0	124	15	0	212	0	0	0	47
202	SD State U.	389	0	0	118	0	0	0	0	0	271
203	Wayne State U.	386	0	0	37	0	0	0	0	0	349
204	Medical C. GA	356	0	0	356	0	0	0	0	0	0
205	OR Health & Science U.	352	109	0	243	0	0	0	0	0	0
206	Wright State U. all campuses	339	1	55	0	0	143	45	0	0	95
207	U. of Medicine and Dentistry NJ	338	0	0	338	0	0	0	0	0	0
208	Wake Forest U.	327	0	0	327	0	0	0	0	0	0
209	Naval Postgraduate School	326	0	0	0	0	6	0	0	0	320
210	Wellesley C.	323	0	0	0	0	322	1	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 2005

(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
211	CA State U. Fresno	322	0	0	0	0	0	0	0	0	322
212	San Francisco State U.	320	NA	NA	NA	NA	NA	NA	NA	NA	NA
213	U. OR	317	77	27	137	0	76	0	0	0	0
214	CA State Polytechnic U. Pomona	314	0	0	0	0	0	0	0	0	314
215	Wesleyan U.	311	0	56	17	0	238	0	0	0	0
216	Western MI U.	308	0	29	40	0	227	0	0	0	12
217	U. MA Worcester	306	0	0	306	0	0	0	0	0	0
218	Rowan U.	303	0	0	0	0	255	0	0	0	48
219	Jackson State U.	301	0	0	17	17	163	0	0	0	104
220	American U.	293	0	0	0	0	293	0	0	0	0
221	IL Institute of Technology	277	0	0	50	0	100	0	0	0	127
222	TX A&M U. Corpus Christi	247	0	57	0	187	0	0	0	0	3
223	CA State U. San Bernardino	238	0	0	0	0	238	0	0	0	0
224	SUNY C. Plattsburgh	230	0	0	0	0	230	0	0	0	0
225	U. LA Lafayette	229	0	0	200	0	0	0	0	0	29
226	U. Tulsa	225	37	0	0	0	180	0	0	0	8
227	U. TX Arlington	224	0	0	0	83	63	0	0	0	78
228	CUNY Hunter C.	223	0	223	0	0	0	0	0	0	0
229	Central State U.	210	0	50	0	0	20	0	0	0	140
230	James Madison U.	210	79	0	0	3	94	0	0	0	34
231	U. NV, Las Vegas	203	0	27	11	17	113	0	0	0	35
232	TX A&M U. System Health Science Ctr.	196	0	0	0	0	0	0	0	0	196
233	CA State Polytechnic U. San Luis Obispo	195	0	11	0	0	0	0	0	0	184
234	LA Tech U.	194	0	0	0	0	15	0	0	0	179
235	Kent State U. all campuses	193	0	46	78	0	69	0	0	0	0
236	Mt. Holyoke C.	183	0	135	0	48	0	0	0	0	0
237	Medical C. WI	178	0	0	178	0	0	0	0	0	0
238	Georgetown U.	170	0	0	72	0	98	0	0	0	0
239	U.S. Air Force Academy	167	0	0	0	0	0	0	0	0	167
240	Mt. Sinai School of Medicine	165	0	0	165	0	0	0	0	0	0
241	Temple U.	157	0	0	40	0	72	0	45	0	0
242	U. MD Eastern Shore	150	0	0	0	0	0	0	0	0	150
243	Alfred U. all campuses	140	0	0	0	0	0	0	0	0	140
244	East Carolina U.	140	0	72	0	0	34	0	0	0	34
245	U. WI Milwaukee	137	0	0	0	66	71	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 2005

(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
246	Albany State U.	133	0	0	133	0	0	0	0	0	0
247	Northern AZ U.	131	0	0	0	0	92	0	0	0	39
248	Worcester Polytechnic Institute	129	0	0	0	0	0	0	0	0	129
249	Southern IL U. Carbondale	122	0	68	0	0	0	0	0	0	54
250	NM Highlands U.	118	0	0	0	0	118	0	0	0	0
251	U. Puget Sound	114	0	0	0	0	0	0	0	114	0
252	ND State U. all campuses	106	3	0	0	0	12	0	0	5	86
253	IN State U. all campuses	105	0	105	0	0	0	0	0	0	0
254	TX A&M U. Kingsville	105	0	0	0	0	0	0	0	0	105
255	Boise State U.	102	9	19	6	0	2	0	0	0	66
256	Roanoke C.	97	0	0	0	0	97	0	0	0	0
257	Elizabeth City State U.	96	0	0	0	0	0	0	0	0	96
258	Sinte Gleska U.	95	0	95	0	0	0	0	0	0	0
259	Boston C.	94	0	0	0	0	94	0	0	0	0
260	Central WA U.	91	0	91	0	0	0	0	0	0	0
261	Lehigh U.	88	0	88	0	0	0	0	0	0	0
262	CA State U. Northridge	87	0	0	0	0	87	0	0	0	0
263	IL State U.	85	0	0	0	0	85	0	0	0	0
264	Clark U.	82	0	82	0	0	0	0	0	0	0
265	U. HI Hilo	80	0	0	0	0	80	0	0	0	0
266	U. AR for Medical Sciences	79	0	0	79	0	0	0	0	0	0
267	U. of the VI	77	0	0	0	0	0	0	0	0	77
268	State U. West GA	75	0	30	0	0	45	0	0	0	0
269	U. Redlands	74	0	0	0	0	74	0	0	0	0
270	Drake U.	72	0	0	54	0	10	0	0	8	0
271	Smith C.	68	0	0	0	0	68	0	0	0	0
272	Southern Methodist U.	68	0	0	68	0	0	0	0	0	0
273	Bucknell U.	64	0	0	0	0	61	0	0	0	3
274	Bryn Mawr C.	61	0	0	0	0	61	0	0	0	0
275	Emory U.	61	0	0	9	0	52	0	0	0	0
276	U. MO-St. Louis	60	0	0	41	0	19	0	0	0	0
277	Northern KY U.	58	0	0	0	0	58	0	0	0	0
278	U. TX San Antonio	57	0	0	0	0	0	0	0	0	57
279	Kettering U.	56	0	0	0	0	0	0	0	0	56
280	U. North TX	54	0	0	0	0	8	0	0	0	46

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 2005

(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
281	U. WI Whitewater	54	0	2	0	0	50	0	2	0	0
282	Augustana C. (Sioux Falls, SD)	53	53	0	0	0	0	0	0	0	0
283	Swarthmore C.	53	0	0	0	0	53	0	0	0	0
284	SUNY Binghamton	52	0	0	0	0	0	0	0	0	52
285	Morehouse C.	50	0	0	0	0	50	0	0	0	0
286	TX Christian U.	50	44	0	0	0	6	0	0	0	0
287	Baylor U.	47	0	0	0	0	0	0	0	0	47
288	WV State U.	45	45	0	0	0	0	0	0	0	0
289	Spelman C.	44	25	0	0	0	19	0	0	0	0
290	U. KY all campuses	44	0	0	0	0	44	0	0	0	0
291	Northern IL U.	43	0	0	0	0	0	0	43	0	0
292	Rosalind Franklin U. of Medicine and Science	43	0	0	43	0	0	0	0	0	0
293	U. Memphis, The	43	0	30	0	11	0	0	0	0	2
294	DePaul U.	42	42	0	0	0	0	0	0	0	0
295	East TN State U.	39	0	0	0	0	39	0	0	0	0
296	Furman U.	39	3	8	0	0	0	28	0	0	0
297	Lafayette C.	39	0	0	0	0	39	0	0	0	0
298	U. NC Charlotte	38	0	0	0	0	0	0	0	0	38
299	U. Houston-Clear Lake	36	36	0	0	0	0	0	0	0	0
300	Augsburg C.	35	0	35	0	0	0	0	0	0	0
301	DE State U.	35	0	0	0	35	0	0	0	0	0
302	Eastern KY U.	35	0	0	0	0	35	0	0	0	0
303	Valparaiso U.	35	0	0	0	0	35	0	0	0	0
304	Morehead State U.	32	0	5	0	23	4	0	0	0	0
305	Pittsburg State U.	30	0	0	0	0	0	0	0	0	30
306	U. Central OK	29	0	0	0	0	0	0	0	0	29
307	U. San Diego	29	0	29	0	0	0	0	0	0	0
308	GA Southern U.	28	0	0	0	0	28	0	0	0	0
309	St. Louis U. all campuses	27	0	0	0	0	27	0	0	0	0
310	Towson U.	27	0	0	0	0	27	0	0	0	0
311	U. CA, Merced	27	0	0	0	0	0	0	0	0	27
312	U. TX-Pan American	27	0	0	26	0	0	0	0	0	1
313	Pomona C.	25	0	25	0	0	0	0	0	0	0
314	Hendrix C.	24	0	0	0	0	0	0	0	0	24
315	St. Cloud State U.	24	0	24	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 2005

(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
316	Teachers C. Columbia U.	23	0	0	23	0	0	0	0	0	0
317	Hope C.	22	0	0	0	0	22	0	0	0	0
318	U. WI Eau Claire	22	0	0	0	0	22	0	0	0	0
319	Loyola C.	21	21	0	0	0	0	0	0	0	0
320	U. North TX Health Science Ctr. Ft. Worth	21	0	0	21	0	0	0	0	0	0
321	Appalachian State U.	20	0	0	0	0	20	0	0	0	0
322	CUNY York C.	20	0	0	0	0	20	0	0	0	0
323	U. of St. Thomas (St. Paul, MN)	20	0	0	0	0	20	0	0	0	0
324	Murray State U.	19	0	3	2	0	14	0	0	0	0
325	Trinity C. (Hartford, CT)	19	6	0	0	0	0	0	0	0	13
326	C. of the Holy Cross	18	0	0	0	0	18	0	0	0	0
327	U. WI La Crosse	18	0	0	0	0	18	0	0	0	0
328	Bowdoin C.	17	0	0	0	0	17	0	0	0	0
329	MS Valley State U.	17	3	0	0	0	0	0	0	0	14
330	U. MO-Kansas City	15	0	0	0	0	15	0	0	0	0
331	Black Hills State U.	14	0	14	0	0	0	0	0	0	0
332	Whitman C.	14	0	0	0	0	14	0	0	0	0
333	Chapman U.	13	0	0	0	0	13	0	0	0	0
334	Duquesne U.	13	0	0	13	0	0	0	0	0	0
335	Saginaw Valley State U.	13	7	0	0	1	5	0	0	0	0
336	West Chester U. PA	12	0	0	0	0	12	0	0	0	0
337	U. Northern CO	11	0	0	0	0	11	0	0	0	0
338	Franklin & Marshall C.	9	0	0	0	0	9	0	0	0	0
339	Coastal Carolina U.	8	0	1	0	0	7	0	0	0	0
340	Manhattan C.	8	0	0	0	0	8	0	0	0	0
341	Southeastern OK State U.	8	0	0	0	0	8	0	0	0	0
342	Air Force Institute of Technology	7	0	0	0	0	0	0	0	7	0
343	MT Tech of the U. MT	7	0	0	0	0	0	0	0	0	7
344	Colgate U.	6	0	0	0	0	6	0	0	0	0
345	CUNY Herbert H. Lehman C.	6	0	0	0	0	6	0	0	0	0
346	Harvey Mudd C.	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
347	Youngstown State U.	5	0	0	0	0	0	0	0	0	5
348	Ft. Lewis C.	4	0	0	0	0	4	0	0	0	0
349	FL Gulf Coast U.	3	0	0	0	0	3	0	0	0	0
350	Lamar U.	2	0	0	0	0	0	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 2005

(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
351	Mercer U. all campuses	2	0	0	0	0	0	0	0	0	2
352	U. North FL	2	0	0	0	0	0	0	0	0	2
353	CUNY Queens C.	1	0	0	0	0	1	0	0	0	0
354	Loyola Marymount U.	1	0	0	0	0	1	0	0	0	0
355	Oberlin C.	1	0	0	0	0	1	0	0	0	0
356	OR Institute of Technology	1	0	0	0	0	0	0	0	0	1
357	Savannah State U.	1	0	0	0	0	0	0	0	0	1
358	Trinity U.	1	0	0	0	0	0	0	0	0	1
359	U. Houston-Downtown	1	0	0	0	0	1	0	0	0	0
	Abilene Christian 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 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
	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
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Andrews 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
	Augustana C. (Rock Island, IL)	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
	Bluefield State C.	0	0	0	0	0	0	0	0	0	0
	Bradley U.	0	0	0	0	0	0	0	0	0	0
	Bridgewater State C.	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. Fullerton	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
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Carleton C.	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 MI 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 2005

(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
	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
	Clafin 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
	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 John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0
	Dickinson C.	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
	Fitchburg State C.	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
	Gettysburg 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
	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
	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



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 2005

(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
	Jacksonville State 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
	KS State U.	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
	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 Technological 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
	Lincoln U. (Jefferson City, MO)	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 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 U. OH	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
	Midwestern U. (Chicago, IL)	0	0	0	0	0	0	0	0	0	0
	Milwaukee School of Engineering	0	0	0	0	0	0	0	0	0	0
	Monmouth U.	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 C. FL	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
	NJ City 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

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 2005

(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
	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 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
	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
	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 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
	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
	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
	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
	Seattle 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
	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
	Southwest MO 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

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 2005

(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
	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. Brockport	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. Cortland	0	0	0	0	0	0	0	0	0	0
	SUNY C. Geneseo	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
	SUNY Upstate Medical U.	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 International 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 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
	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
	Universidad Central del Caribe	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. 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. MA Boston	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 2005

(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. 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. NC Greensboro	0	0	0	0	0	0	0	0	0	0
	U. NC Wilmington	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 U. C.	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 Tyler	0	0	0	0	0	0	0	0	0	0
	U. DC	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. 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 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
	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
	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 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 Carolina 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

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 2005

(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
	Western WA U.	0	0	0	0	0	0	0	0	0	0
	Wiley C.	0	0	0	0	0	0	0	0	0	0
	Willamette 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.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005  
(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	3,532,672	426,815	589,697	567,591	174,065	778,863	51,040	98,466	62,268	772,191
1	U. IL Urbana-Champaign	121,705	61,101	4,046	7,315	2,124	13,528	1,638	874	636	30,443
2	U. CA, San Diego	106,984	40,339	36,151	3,136	2,089	9,504	1,030	1,016	45	13,674
3	U. WI Madison	104,570	8,889	46,881	14,601	2,207	16,825	614	2,030	0	12,523
4	Cornell U. all campuses	104,530	9,776	2,132	21,154	2,864	38,365	1,164	2,001	0	27,074
5	TX A&M U. all campuses	79,672	2,343	51,154	9,114	4,387	4,512	132	283	979	6,768
6	MA Institute of Technology	72,951	13,835	12,213	2,978	3,002	12,686	131	1,337	5,297	21,472
7	CA Institute of Technology	72,337	3,677	4,578	1,486	749	48,049	0	0	2,547	11,251
8	U. CA, Berkeley	71,160	748	2,012	12,641	4,637	18,713	393	2,118	2,570	27,328
9	U. WA	69,091	1,374	24,190	7,782	3,153	8,237	417	1,905	0	22,033
10	Columbia U. in the City of NY	68,632	6,254	26,786	2,320	1,268	19,803	224	1,381	1,399	9,197
11	Stanford U.	62,099	8,578	13,211	3,313	3,371	9,461	1,305	2,967	0	19,893
12	Carnegie Mellon U.	61,577	37,007	421	142	1,701	2,809	964	4,171	48	14,314
13	Woods Hole Oceanographic Institution	61,295	0	54,145	0	0	0	0	0	0	7,150
14	U. MI all campuses	59,357	3,073	3,020	5,546	2,786	8,318	1,083	9,662	0	25,869
15	U. MN all campuses	49,306	3,435	2,996	14,469	4,781	5,447	230	3,101	0	14,847
16	PA State U. all campuses	46,768	1,697	8,595	8,033	2,680	10,403	622	860	1,021	12,857
17	GA Institute of Technology all campuses	46,173	8,968	2,351	1,503	2,443	6,369	112	718	861	22,848
18	U. CA, Los Angeles	44,586	9,160	4,596	3,709	2,818	11,504	1,494	1,907	2,771	6,627
19	MI State U.	44,272	1,148	472	9,914	3,048	23,948	669	1,143	313	3,617
20	U. AZ	42,261	2,336	3,612	13,868	1,473	8,202	319	3,012	0	9,439
21	U. CO all campuses	41,067	3,963	9,845	5,071	1,009	12,627	721	2,338	31	5,462
22	U. Southern CA	40,761	14,097	8,578	3,387	1,054	2,982	821	187	15	9,640
23	U. TX Austin	40,710	4,701	6,458	6,786	4,772	5,951	608	1,000	1,531	8,903
24	U. CA, Santa Barbara	40,702	4,671	8,770	825	650	8,837	907	3,403	217	12,422
25	U. Chicago	40,248	8,243	3,289	2,589	2,199	22,458	558	743	0	169
26	FL State U.	39,690	2,210	4,040	2,756	865	21,961	498	414	0	6,946
27	U. CA, Davis	39,230	3,172	2,354	18,995	1,660	4,282	295	581	180	7,711
28	OH State U. all campuses	37,558	2,743	3,641	7,308	4,631	7,814	1,167	1,731	554	7,969
29	Princeton U.	37,272	4,397	4,958	2,714	2,051	10,521	316	1,257	0	11,058
30	Rutgers, The State U. NJ all campuses	37,150	2,865	5,577	4,228	4,689	12,497	1,149	543	0	5,602
31	U. MD College Park	36,297	8,204	1,906	2,575	2,181	12,557	232	1,047	0	7,595
32	Purdue U. all campuses	35,609	3,395	1,594	7,893	2,414	4,390	276	142	618	14,887
33	U. FL	34,772	1,165	2,438	8,654	522	12,123	41	551	0	9,278
34	Harvard U.	33,294	393	4,147	4,025	1,750	11,060	1,426	1,322	0	9,171
35	U. MA Amherst	28,798	7,439	1,247	1,761	1,351	9,519	321	136	0	7,024

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 2005  
(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
36	OR State U.	28,557	1,482	15,827	5,898	755	886	0	38	1,419	2,252
37	AZ State U. main campus	28,535	1,959	1,710	5,245	2,278	6,651	461	1,821	405	8,005
38	U. HI Manoa	26,579	256	18,068	2,530	0	2,542	0	375	1,802	1,006
39	Northwestern U.	26,534	1,411	230	1,029	1,206	3,959	258	1,717	2,677	14,047
40	U. CA, Irvine	26,289	5,078	1,651	3,455	900	6,886	282	1,528	0	6,509
41	NC State U.	26,113	2,283	1,428	6,095	3,581	3,338	0	879	631	7,878
42	SUNY Stony Brook all campuses	26,047	2,369	7,842	2,498	1,380	6,627	827	661	0	3,843
43	U. PA	25,485	2,783	121	2,519	2,020	7,964	134	2,479	123	7,342
44	Johns Hopkins U., The <sup>a</sup>	24,864	1,609	1,402	1,758	704	7,596	125	748	93	10,829
45	IN U. all campuses	24,411	2,911	633	7,103	2,318	8,147	533	2,580	0	186
46	Duke U.	23,227	3,143	2,086	8,017	3,650	2,152	0	836	0	3,343
47	U. AK Fairbanks all campuses	23,121	70	12,895	6,667	0	51	0	55	812	2,571
48	Boston U.	22,766	2,043	1,136	1,840	1,166	9,210	307	560	1,532	4,972
49	VA Polytechnic Institute and State U.	22,669	1,150	1,389	5,445	806	2,760	15	551	40	10,513
50	Yale U.	22,090	2,700	2,863	7,794	1,086	3,578	371	675	0	3,023
51	IA State U.	21,869	1,530	1,426	8,877	1,506	1,542	155	138	131	6,564
52	CO State U.	21,249	704	7,165	3,617	1,045	2,821	42	370	0	5,485
53	Rice U.	19,562	4,008	1,508	3,649	1,420	4,411	69	283	0	4,214
54	U. IL Chicago	19,288	5,654	564	3,733	1,670	2,597	797	32	402	3,839
55	U. UT	19,166	4,243	1,300	3,823	1,202	5,626	233	210	0	2,529
56	U. GA	18,764	377	2,226	12,238	1,157	2,244	327	169	0	26
57	U. NC Chapel Hill	18,453	2,089	2,714	4,188	878	7,547	702	335	0	0
58	U. NM all campuses	18,393	1,648	858	6,879	577	2,163	17	486	2,623	3,142
59	U. VA all campuses	18,384	3,952	2,069	1,732	742	3,824	252	851	0	4,962
60	U. KY all campuses	18,236	1,564	113	3,934	4,377	2,533	0	228	2,937	2,550
61	U. KS all campuses	18,208	231	925	5,569	674	5,315	51	271	975	4,197
62	NY U.	17,985	3,173	0	1,990	3,935	6,666	795	1,071	355	0
63	U. Pittsburgh all campuses	17,955	1,409	352	2,781	800	4,907	18	502	3,263	3,923
64	Rensselaer Polytechnic Institute	17,565	1,155	776	53	1,190	1,870	76	361	0	12,084
65	Northeastern U.	17,516	1,339	0	755	378	7,710	55	68	0	7,211
66	U. NE all campuses	17,224	1,801	902	6,229	922	3,422	182	259	2,174	1,333
67	SUNY Buffalo all campuses	17,033	1,689	563	1,889	528	2,233	8	884	0	9,239
68	Brown U.	16,356	3,754	1,631	2,283	2,221	2,251	68	572	0	3,576
69	U. Miami	16,161	74	12,771	1,150	491	741	4	224	0	706
70	Washington U. St. Louis	15,916	2,588	1,320	5,202	427	3,285	707	373	0	2,014

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 2005  
(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
71	U. of Notre Dame	15,516	1,419	0	1,434	1,238	7,624	12	200	29	3,560
72	U. DE	15,062	629	4,615	1,914	184	3,029	133	181	163	4,214
73	U. TN all campuses	14,147	1,989	242	4,586	537	3,587	120	194	5	2,887
74	U. CA, Santa Cruz	13,943	941	3,043	577	336	7,261	14	277	0	1,494
75	U. CA, Riverside	13,834	1,394	1,833	5,256	204	3,281	195	54	0	1,617
76	Vanderbilt U.	13,610	0	246	1,687	775	2,312	816	239	0	7,535
77	LA State U. all campuses	13,141	704	1,179	2,574	442	6,012	84	382	7	1,757
78	U. CT all campuses	12,951	949	1,313	3,781	291	2,058	624	458	0	3,477
79	U. MO-Columbia	11,459	223	658	6,996	881	989	74	78	0	1,560
80	U. OK all campuses	11,056	261	3,453	2,246	361	2,588	66	236	0	1,845
81	Clemson U.	10,979	331	0	1,021	394	2,267	82	59	0	6,825
82	U. Rochester	10,963	1,695	686	2,589	331	2,954	612	451	0	1,645
83	U. IA	10,861	288	549	2,925	1,702	2,536	418	175	0	2,268
84	WA State U.	10,822	0	593	5,281	311	1,405	54	327	0	2,851
85	U. RI	10,758	204	8,179	411	8	306	0	0	897	753
86	MT State U. Bozeman	10,249	5	726	3,546	642	2,950	0	131	1,132	1,117
87	U. ME	10,021	129	4,267	1,234	15	2,299	0	3	276	1,798
88	U. OR	9,981	1,063	1,612	2,552	458	3,307	105	884	0	0
89	Syracuse U. all campuses	9,904	1,180	1,407	910	658	2,606	0	234	1,202	1,707
90	U. NH	9,504	191	4,564	2,042	779	678	0	161	99	990
91	U. WY	9,360	134	4,649	1,911	343	1,041	59	127	244	852
92	IL Institute of Technology	9,048	1,164	0	4,200	104	2,608	0	0	0	972
93	Lehigh U.	8,980	202	1,605	343	108	1,051	53	0	0	5,618
94	Drexel U.	8,798	1,134	0	293	204	901	0	0	0	6,266
95	U. South FL	8,735	0	3,318	820	24	963	73	65	91	3,381
96	Case Western Reserve U.	8,697	122	173	1,615	178	2,929	0	355	0	3,325
97	FL International U.	8,632	NA	NA	NA	NA	NA	NA	NA	NA	NA
98	U. SC all campuses	8,439	352	2,140	1,064	396	2,292	368	246	99	1,482
99	C. of William and Mary all campuses	8,318	817	3,944	619	241	2,283	0	46	368	0
100	Dartmouth C.	8,004	563	417	2,618	438	2,070	854	97	12	935
101	U. NV, Reno	7,897	48	1,015	3,874	259	1,003	0	48	97	1,553
102	U. AR main campus	7,468	0	364	1,390	187	2,886	42	283	0	2,316
103	U. AL, The	6,851	655	113	1,086	115	1,235	0	23	11	3,613
104	U. MT, The	6,670	20	316	5,058	499	703	0	74	0	0
105	U. Houston	6,512	1,220	325	530	904	1,822	47	84	0	1,580



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 2005

(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
106	GA State U.	6,464	323	95	724	39	603	4,453	202	25	0
107	MS State U.	6,435	939	180	2,188	250	672	54	45	1,123	984
108	OK State U. all campuses	6,435	0	64	1,767	148	1,123	15	45	1,837	1,436
109	U. ID	6,388	150	972	1,896	60	1,210	0	131	1,429	540
110	NJ Institute of Technology	6,296	744	0	0	967	2,370	0	48	550	1,617
111	NM State U. all campuses	6,201	753	605	1,646	158	718	86	539	0	1,696
112	Auburn U. all campuses	6,096	0	80	1,532	188	843	112	91	50	3,200
113	Emory U.	6,029	0	78	3,392	289	1,749	279	242	0	0
114	U. Central FL	5,715	0	0	176	168	2,205	0	2	138	3,026
115	U. MD Baltimore County	5,703	334	245	1,826	305	174	0	352	0	2,467
116	U. TX Dallas	5,620	980	765	1,439	9	1,687	113	34	84	509
117	U. VT	5,506	0	335	1,365	37	648	0	0	2,800	321
118	U. Southern MS	5,473	18	646	759	0	3,340	0	18	601	91
119	Portland State U.	5,257	1,615	1,337	927	316	651	35	64	0	312
120	UT State U.	5,217	100	1,570	1,146	517	1,008	488	146	0	242
121	MI Technological U.	5,073	601	853	112	95	517	0	25	0	2,870
122	ND State U. all campuses	5,044	442	15	1,619	19	821	214	171	1,226	517
123	SUNY Albany	5,041	726	1,493	1,097	0	677	174	717	0	157
124	Wayne State U.	5,027	462	0	668	314	2,659	51	266	0	607
125	OH U. all campuses	4,999	0	0	2,822	0	881	1,203	0	0	93
126	U. MO-Rolla	4,823	57	18	121	0	694	0	0	0	3,933
127	Brandeis U.	4,722	343	0	1,645	440	2,211	35	48	0	0
128	San Diego State U.	4,641	228	700	2,430	40	830	17	26	46	324
129	George Washington U.	4,567	2,120	71	439	10	868	0	582	0	477
130	U. Cincinnati all campuses	4,539	0	50	741	49	1,310	42	216	0	2,131
131	Desert Research Institute	4,525	0	3,290	1,016	0	0	0	198	21	0
132	WV U.	4,410	8	74	479	340	1,571	0	69	146	1,723
133	U. Akron all campuses	4,331	0	290	908	157	2,064	0	45	0	867
134	Tufts U.	4,294	572	0	587	333	643	374	0	0	1,785
135	Old Dominion U.	4,276	460	1,771	258	0	600	236	6	0	945
136	OR Health & Science U.	4,273	3,680	0	593	0	0	0	0	0	0
137	San Jose State U.	4,271	0	2,935	200	117	347	0	9	0	663
138	Brigham Young U. all campuses	4,188	570	161	1,238	151	735	0	150	0	1,183
139	Tulane U.	4,176	1	373	1,083	1,164	805	76	5	0	669
140	CUNY The City C.	4,163	0	0	163	210	2,735	0	0	0	1,055

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 2005  
(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
141	Western MI U.	4,137	141	1,001	259	1,474	399	0	128	0	735
142	George Mason U.	3,970	522	920	269	260	441	178	311	0	1,069
143	CA State U. Los Angeles	3,959	0	1,114	1,416	41	1,250	0	0	0	138
144	TX Tech U.	3,947	8	221	396	212	1,049	4	9	0	2,048
145	Polytechnic U.	3,924	750	0	0	300	1,149	0	0	0	1,725
146	U. WI Milwaukee	3,814	51	466	185	585	2,079	0	14	0	434
147	U. NC Charlotte	3,793	1,626	0	11	239	445	0	525	0	947
148	U. TX Arlington	3,774	0	88	357	85	588	51	0	0	2,605
149	Jackson State U.	3,657	268	97	1,728	0	1,558	0	0	0	6
150	U. TX El Paso	3,631	335	573	455	0	1,124	7	0	0	1,137
151	U. Memphis, The	3,598	0	621	185	856	435	1,313	0	0	188
152	U. PR Rio Piedras Campus	3,421	0	1,033	1,156	569	663	0	0	0	0
153	U. MD Biotechnology Institute	3,415	0	1,508	1,907	0	0	0	0	0	0
154	U. AL Birmingham, The	3,400	216	0	1,555	203	736	42	193	0	455
155	Temple U.	3,331	187	65	188	162	687	1,464	172	0	406
156	CO School of Mines	3,288	0	282	0	809	332	0	0	0	1,865
157	Worcester Polytechnic Institute	3,124	468	0	418	475	333	0	184	0	1,246
158	Northern AZ U.	3,073	33	497	1,964	17	236	0	290	36	0
159	Stevens Institute of Technology	3,010	1,280	93	87	96	7	0	0	0	1,447
160	Boston C.	2,963	0	378	174	274	1,936	201	0	0	0
161	Southern IL U. Carbondale	2,961	0	307	1,240	91	660	43	50	141	429
162	Clark Atlanta U.	2,936	163	0	833	0	944	0	0	0	996
163	U. Louisville	2,923	137	245	686	25	505	1	134	16	1,174
164	Georgetown U.	2,922	73	0	961	122	1,541	165	60	0	0
165	Howard U.	2,887	986	0	293	56	293	76	59	22	1,102
166	U. NV, Las Vegas	2,869	5	165	1,593	114	539	0	19	0	434
167	Kent State U. all campuses	2,808	290	405	326	96	1,599	52	40	0	0
168	SD State U.	2,722	0	0	2,432	0	127	0	0	0	163
169	U. MD Ctr. for Environmental Science	2,519	0	2,519	0	0	0	0	0	0	0
170	CUNY Hunter C.	2,437	219	21	361	0	989	705	142	0	0
171	Carleton C.	2,430	0	1,270	664	83	332	81	0	0	0
172	U. MA Dartmouth	2,428	24	321	36	945	458	113	0	0	531
173	Hampton U.	2,412	0	0	0	1,958	0	0	0	454	0
174	U. North TX	2,411	277	311	435	106	903	67	73	0	239
175	NC Agricultural and Technical State U.	2,402	176	0	0	5	519	0	45	0	1,657

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 2005  
(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
176	FL Atlantic U.	2,364	97	37	218	347	1,188	0	51	0	426
177	SD School of Mines and Technology	2,325	0	624	0	0	68	0	0	46	1,587
178	CA State U. Fullerton	2,301	0	98	450	0	0	53	1,700	0	0
179	U. Tulsa	2,296	1,400	72	374	5	336	0	23	0	86
180	U. AL Huntsville, The	2,234	570	608	73	167	112	0	5	0	699
181	U. ND all campuses	2,168	0	53	903	0	398	5	0	213	596
182	U. MA Boston	2,102	174	336	768	170	0	0	0	654	0
183	Baylor C. of Medicine	2,077	0	0	2,077	0	0	0	0	0	0
184	Northern IL U.	2,076	122	248	436	138	700	103	144	0	185
185	TX A&M U. Corpus Christi	2,067	526	84	0	1,228	165	0	0	64	0
186	VA Commonwealth U.	2,059	0	0	632	435	519	0	20	0	453
187	U. Toledo	2,031	0	435	79	0	1,138	49	0	0	330
188	U. MA Lowell	1,959	268	30	316	85	118	0	0	0	1,142
189	CUNY Graduate Ctr.	1,930	706	0	13	66	193	0	952	0	0
190	Bowling Green State U. all campuses	1,923	0	96	556	0	590	111	570	0	0
191	San Francisco State U.	1,872	NA	NA	NA	NA	NA	NA	NA	NA	NA
192	U. of Medicine and Dentistry NJ	1,858	0	0	1,858	0	0	0	0	0	0
193	ID State U.	1,836	0	425	992	8	188	0	183	6	34
194	AL A&M U.	1,824	0	49	731	100	552	0	0	0	392
195	U. MO-St. Louis	1,809	0	0	1,441	35	289	0	44	0	0
196	Rowan U.	1,771	0	0	53	548	117	0	0	0	1,053
197	Scripps Research Institute, The	1,760	0	0	1,760	0	0	0	0	0	0
198	U. SD	1,747	169	109	463	0	991	0	15	0	0
199	U. CA, San Francisco	1,712	0	0	1,338	0	374	0	0	0	0
200	East Carolina U.	1,690	0	497	679	77	391	0	46	0	0
201	FL Institute of Technology	1,631	146	0	467	99	748	0	0	8	163
202	U. MO-Kansas City	1,605	158	0	974	24	133	0	22	0	294
203	Western WA U.	1,595	0	831	352	32	249	116	15	0	0
204	Boise State U.	1,587	49	809	33	34	501	0	0	0	161
205	Naval Postgraduate School	1,572	282	1,011	0	0	181	0	0	0	98
206	U. PR Humacao U. C.	1,562	0	0	170	0	1,392	0	0	0	0
207	U. MS all campuses	1,548	0	0	803	0	582	0	27	0	136
208	Mt. Holyoke C.	1,532	153	411	94	210	585	79	0	0	0
209	Norfolk State U.	1,521	291	0	220	22	957	0	0	0	31
210	U. PR Mayaguez Campus	1,510	0	88	87	0	75	0	0	0	1,260

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 2005

(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
211	CA State U. Long Beach	1,494	0	372	504	77	142	3	101	266	29
212	U. of the VI	1,459	0	0	1,459	0	0	0	0	0	0
213	IL State U.	1,456	0	0	1,101	36	319	0	0	0	0
214	Catholic U. America, The	1,380	0	0	158	0	886	5	98	0	233
215	Ithaca C.	1,370	0	0	278	1,092	0	0	0	0	0
216	SUNY Binghamton	1,363	161	275	231	37	334	35	290	0	0
217	Southern Methodist U.	1,359	109	172	90	76	535	0	202	0	175
218	Wichita State U.	1,311	43	0	97	122	470	24	0	0	555
219	U. HI Hilo	1,300	127	83	790	0	300	0	0	0	0
220	U. NC Wilmington	1,292	0	75	730	0	487	0	0	0	0
221	TX A&M U. Kingsville	1,265	0	26	12	0	0	0	0	0	1,227
222	Clark U.	1,256	0	279	491	0	334	64	88	0	0
223	Wesleyan U.	1,254	0	104	228	110	676	136	0	0	0
224	Marquette U.	1,232	99	0	263	35	329	0	0	0	506
225	Smith C.	1,221	301	14	302	0	177	133	0	224	70
226	Duquesne U.	1,216	0	0	499	136	581	0	0	0	0
227	U. Richmond	1,196	0	0	515	7	552	122	0	0	0
228	Marshall U.	1,190	0	0	1,136	4	50	0	0	0	0
229	Franklin & Marshall C.	1,168	0	78	152	1	916	21	0	0	0
230	Rochester Institute of Technology	1,127	155	0	12	31	549	0	0	0	380
231	TN Technological U.	1,119	42	0	203	40	23	81	0	0	730
232	CA State U. Northridge	1,105	0	351	147	210	100	61	156	0	80
233	TN State U.	1,096	44	0	0	189	189	0	0	0	674
234	Barnard C.	1,078	0	81	184	122	246	414	31	0	0
235	LA Tech U.	1,071	0	0	93	59	205	0	0	0	714
236	U. Denver	1,070	89	0	178	0	371	11	9	0	412
237	U. NC Greensboro	1,050	0	0	490	138	387	35	0	0	0
238	Amherst C.	1,043	0	60	378	14	591	0	0	0	0
239	U. CA, Merced	1,042	0	376	0	0	145	0	0	0	521
240	CA State U. Dominguez Hills	1,027	0	85	0	626	316	0	0	0	0
241	Oakland U.	1,021	142	0	254	44	498	0	0	0	83
242	Fisk U.	1,000	0	0	0	0	1,000	0	0	0	0
243	CA State U. East Bay	943	0	0	0	0	847	0	0	0	96
244	Eastern MI U.	933	0	0	433	0	204	0	120	0	176
245	Ball State U.	923	0	0	515	57	201	56	0	0	94

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 2005

(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
246	St. Joseph's U.	921	347	0	496	75	3	0	0	0	0
247	U. TX Medical Branch	917	0	0	779	0	0	0	0	0	138
248	Wake Forest U.	893	72	0	448	0	373	0	0	0	0
249	U. Northern CO	888	0	86	324	6	0	0	0	472	0
250	FL A&M U.	862	93	47	0	99	0	0	0	0	623
251	U. TX-Pan American	850	0	0	284	30	0	0	0	0	536
252	Hope C.	846	108	78	308	47	236	0	0	0	69
253	Teachers C. Columbia U.	840	0	0	211	0	0	431	198	0	0
254	CUNY Queens C.	832	0	249	41	0	429	3	110	0	0
255	Jacksonville State U.	828	0	0	828	0	0	0	0	0	0
256	Murray State U.	809	0	556	179	52	22	0	0	0	0
257	Seton Hall U.	801	0	0	280	138	383	0	0	0	0
258	U.S. Air Force Academy	793	0	0	0	0	771	0	8	0	14
259	Wright State U. all campuses	786	326	9	228	42	77	5	1	0	98
260	Hamilton C. (Clinton, NY)	778	0	281	95	0	391	0	11	0	0
261	Bowdoin C.	776	57	31	381	45	149	112	1	0	0
262	U. LA Lafayette	767	107	0	536	90	5	0	0	0	29
263	Prairie View A&M U.	766	0	0	0	0	425	0	0	0	341
264	U. TX San Antonio	757	383	0	42	68	0	68	18	0	178
265	Oberlin C.	741	0	61	158	0	479	43	0	0	0
266	C. Charleston	738	0	552	40	0	146	0	0	0	0
267	James Madison U.	736	0	0	464	95	174	0	0	0	3
268	Savannah State U.	710	0	281	0	0	0	0	0	0	429
269	Morgan State U.	707	34	0	118	0	378	0	0	0	177
270	DE State U.	700	0	0	0	0	700	0	0	0	0
271	State U. West GA	700	28	170	292	0	210	0	0	0	0
272	U. of the Pacific	690	0	0	215	0	475	0	0	0	0
273	Wellesley C.	688	0	12	335	34	116	0	123	68	0
274	Hampshire C.	683	0	148	411	0	57	0	67	0	0
275	Bryn Mawr C.	672	0	246	96	211	119	0	0	0	0
276	Harvey Mudd C.	669	NA	NA	NA	NA	NA	NA	NA	NA	NA
277	Colgate U.	666	0	270	91	2	161	115	27	0	0
278	Lafayette C.	644	0	39	65	0	210	0	7	0	323
279	Bowie State U.	627	627	0	0	0	0	0	0	0	0
280	U. San Diego	617	0	0	0	0	617	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 2005

(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
281	CUNY Brooklyn C.	613	291	0	94	0	38	31	159	0	0
282	U. WI Eau Claire	612	93	91	44	10	374	0	0	0	0
283	U. AR for Medical Sciences	608	0	0	608	0	0	0	0	0	0
284	Grinnell C.	603	0	0	347	97	0	159	0	0	0
285	Embry-Riddle Aeronautical U.	597	0	576	0	0	0	0	0	21	0
286	U. NC Asheville	572	0	0	45	0	527	0	0	0	0
287	Augsburg C.	571	95	474	0	2	0	0	0	0	0
288	U. North TX Health Science Ctr. Ft. Worth	571	0	0	571	0	0	0	0	0	0
289	Rockefeller U.	568	0	0	327	148	93	0	0	0	0
290	Western KY U.	561	0	0	93	10	421	26	0	11	0
291	U. TX Southwestern Medical Ctr. Dallas	559	0	0	559	0	0	0	0	0	0
292	U. South AL	552	0	286	18	168	40	0	36	0	4
293	Central State U.	545	10	0	100	0	20	0	0	0	415
294	Evergreen State C.	542	107	230	0	0	0	0	0	205	0
295	U. WI La Crosse	541	158	0	114	0	269	0	0	0	0
296	CUNY C. Staten Island	535	0	0	0	0	535	0	0	0	0
297	DePaul U.	534	396	0	49	0	86	0	1	2	0
298	Baylor U.	533	0	0	58	28	326	0	0	0	121
299	Towson U.	533	75	0	125	0	322	0	11	0	0
300	U. MA Worcester	519	0	0	519	0	0	0	0	0	0
301	CA State Polytechnic U. San Luis Obispo	515	27	260	0	60	90	0	0	0	78
302	Medical U. SC	515	0	0	515	0	0	0	0	0	0
303	Bucknell U.	510	0	1	52	0	173	0	19	0	265
304	Central CT State U.	503	0	0	48	0	455	0	0	0	0
305	Vassar C.	503	NA	NA	NA	NA	NA	NA	NA	NA	NA
306	U. West FL	499	211	0	259	0	29	0	0	0	0
307	Furman U.	498	34	100	0	0	364	0	0	0	0
308	Benedict C.	494	0	0	0	96	0	0	0	0	398
309	Southern IL U. Edwardsville	489	47	0	58	56	298	0	0	30	0
310	Union C. (Schenectady, NY)	482	0	29	108	16	0	0	0	0	329
311	St. Louis U. all campuses	476	81	134	241	0	20	0	0	0	0
312	AR State U. main campus	470	0	0	0	0	470	0	0	0	0
313	Alfred U. all campuses	469	0	0	0	0	0	0	0	0	469
314	Southern OR U.	456	0	0	169	0	287	0	0	0	0
315	U. WI Oshkosh	454	21	0	329	0	104	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 2005  
(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
316	Central MI U.	449	0	62	6	46	113	0	0	0	222
317	Macalester C.	443	0	20	147	56	220	0	0	0	0
318	Trinity U.	443	0	22	156	68	197	0	0	0	0
319	Youngstown State U.	442	0	0	218	36	170	0	18	0	0
320	CA State U. San Bernardino	439	207	121	0	48	55	0	8	0	0
321	U. DC	438	0	0	438	0	0	0	0	0	0
322	Gettysburg C.	431	0	0	244	0	172	0	15	0	0
323	Swarthmore C.	423	19	0	99	0	133	0	33	88	51
324	Whitman C.	421	0	205	170	0	46	0	0	0	0
325	Washington and Lee U.	404	50	0	172	4	175	0	3	0	0
326	U. Dayton	402	0	0	47	0	66	0	0	0	289
327	U. TX M. D. Anderson Cancer Ctr.	400	0	0	400	0	0	0	0	0	0
328	Colby C.	396	0	35	40	0	315	0	6	0	0
329	Skidmore C.	394	0	0	353	0	0	41	0	0	0
330	CUNY John Jay C. of Criminal Justice	388	0	0	0	5	0	383	0	0	0
331	GA Southern U.	388	35	0	224	0	129	0	0	0	0
332	TX State U. San Marcos	387	241	0	0	146	0	0	0	0	0
333	U. North FL	381	0	0	162	0	112	70	0	0	37
334	Mt. Sinai School of Medicine	380	0	0	380	0	0	0	0	0	0
335	Seattle U.	368	0	24	0	0	270	0	0	0	74
336	Pomona C.	366	8	0	175	0	50	123	10	0	0
337	Bates C.	362	0	148	0	8	206	0	0	0	0
338	U. AR Pine Bluff	361	361	0	0	0	0	0	0	0	0
339	Spelman C.	359	36	0	0	74	209	40	0	0	0
340	Southwest MO State U.	354	0	13	35	0	306	0	0	0	0
341	John Carroll U.	340	0	0	119	221	0	0	0	0	0
342	SUNY C. Old Westbury	338	0	0	0	0	338	0	0	0	0
343	St. Olaf C.	334	0	0	163	0	168	3	0	0	0
344	Rose-Hulman Institute of Technology	331	0	0	0	0	179	0	0	0	152
345	U. TX Health Science Ctr. San Antonio	328	0	0	328	0	0	0	0	0	0
346	Middle TN State U.	326	5	0	85	42	194	0	0	0	0
347	Morehouse C.	320	32	0	142	0	123	23	0	0	0
348	Appalachian State U.	317	0	46	72	0	199	0	0	0	0
349	Albany State U.	316	0	0	0	0	0	0	0	0	316
350	Occidental C.	313	0	119	1	0	193	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 2005  
(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
351	Gustavus Adolphus C.	311	0	96	99	38	68	0	10	0	0
352	Central WA U.	308	0	255	19	34	0	0	0	0	0
353	TX A&M U. System Health Science Ctr.	306	0	0	306	0	0	0	0	0	0
354	Kettering U.	299	18	0	0	0	0	0	0	0	281
355	Allegheny C.	297	0	9	152	0	135	0	0	1	0
356	SUNY C. Geneseo	289	23	0	0	145	121	0	0	0	0
357	Loyola C.	288	124	0	0	22	73	0	69	0	0
358	CUNY Herbert H. Lehman C.	287	84	0	0	118	65	0	20	0	0
359	CA State Polytechnic U. Pomona	280	0	0	277	0	0	0	0	0	3
360	Loyola U. Chicago	275	16	0	139	4	56	60	0	0	0
361	Bradley U.	274	16	0	31	0	212	0	0	0	15
362	C. of the Holy Cross	271	13	0	0	98	59	101	0	0	0
363	West Chester U. PA	269	0	0	185	84	0	0	0	0	0
364	Milwaukee School of Engineering	267	0	0	0	0	0	0	0	0	267
365	Chapman U.	264	33	35	196	0	0	0	0	0	0
366	Point Loma Nazarene C.	261	0	0	31	0	230	0	0	0	0
367	St. Cloud State U.	260	0	54	64	8	93	0	41	0	0
368	West TX A&M U.	260	0	0	0	0	0	0	0	0	260
369	Calvin C.	253	0	11	153	7	82	0	0	0	0
370	U. CA Office of the President	248	0	0	0	0	0	0	0	248	0
371	Rider U.	244	0	0	244	0	0	0	0	0	0
372	U. WI Parkside	244	143	0	50	0	29	22	0	0	0
373	SUNY C. Plattsburgh	240	0	240	0	0	0	0	0	0	0
374	Black Hills State U.	234	0	2	232	0	0	0	0	0	0
375	U. TX Health Science Ctr. Houston	231	0	0	231	0	0	0	0	0	0
376	Drake U.	227	0	67	11	0	149	0	0	0	0
377	Claremont Graduate U.	224	72	0	0	0	0	102	50	0	0
378	NJ City U.	223	134	89	0	0	0	0	0	0	0
379	U. WI Whitewater	223	0	0	145	0	78	0	0	0	0
380	Wabash C.	222	0	0	0	34	145	0	43	0	0
381	Roger Williams U. Bristol	221	0	109	0	0	112	0	0	0	0
382	CA State U. Fresno	215	0	200	0	0	15	0	0	0	0
383	Pace U. all campuses	215	15	120	55	25	0	0	0	0	0
384	Rhodes C.	212	0	0	207	0	5	0	0	0	0
385	Western IL U.	212	0	0	0	6	206	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 2005  
(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
386	East TN State U.	210	121	0	8	0	81	0	0	0	0
387	U. San Francisco	205	59	0	0	0	124	0	22	0	0
388	Medical C. WI	204	0	0	204	0	0	0	0	0	0
389	Hendrix C.	202	0	61	26	0	42	0	0	0	73
390	Muhlenberg C.	202	0	0	190	0	12	0	0	0	0
391	Reed C.	198	0	0	111	0	16	40	31	0	0
392	Trinity C. (Hartford, CT)	195	13	11	55	0	41	0	11	0	64
393	U. WI Stout	195	0	0	47	148	0	0	0	0	0
394	Fordham U.	190	0	0	190	0	0	0	0	0	0
395	Mercer U. all campuses	184	0	0	0	0	184	0	0	0	0
396	U. Houston-Downtown	175	70	0	105	0	0	0	0	0	0
397	Medical C. GA	173	0	0	173	0	0	0	0	0	0
398	SUNY C. Brockport	172	0	0	172	0	0	0	0	0	0
399	Dickinson C.	171	8	0	71	13	79	0	0	0	0
400	Rush U.	171	0	0	171	0	0	0	0	0	0
401	U. WI Superior	171	0	0	0	171	0	0	0	0	0
402	TX Southern U.	166	0	0	157	0	0	0	0	0	9
403	Fitchburg State C.	161	0	0	161	0	0	0	0	0	0
404	NY Institute of Technology all campuses	159	0	0	159	0	0	0	0	0	0
405	U.S. Naval Academy	158	29	0	0	129	0	0	0	0	0
406	MS Valley State U.	156	61	0	0	0	0	0	0	0	95
407	Cleveland State U.	154	0	50	0	0	26	0	2	0	76
408	U. LA Monroe	153	0	0	16	0	0	0	0	137	0
409	U. WI River Falls	152	0	0	0	0	152	0	0	0	0
410	IL Wesleyan U.	150	0	0	48	0	92	10	0	0	0
411	Thomas Jefferson U.	148	0	0	148	0	0	0	0	0	0
412	Valparaiso U.	148	0	0	33	26	27	0	0	0	62
413	Kalamazoo C.	146	0	0	91	0	55	0	0	0	0
414	IN State U. all campuses	143	0	98	44	0	1	0	0	0	0
415	MT Tech of the U. MT	141	0	24	0	0	0	0	0	0	117
416	Augustana C. (Rock Island, IL)	134	0	48	0	0	86	0	0	0	0
417	Lawrence Technological U.	132	0	0	0	0	0	0	0	0	132
418	Truman State U.	129	0	0	50	58	21	0	0	0	0
419	Christopher Newport U.	126	0	0	118	0	8	0	0	0	0
420	Providence C.	123	0	123	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 2005  
(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
421	TX Christian U.	123	0	0	0	0	120	0	3	0	0
422	SUNY C. Cortland	122	0	23	99	0	0	0	0	0	0
423	U. Portland	122	0	55	0	67	0	0	0	0	0
424	U. WI Green Bay	120	0	120	0	0	0	0	0	0	0
425	OH Wesleyan U.	115	0	0	115	0	0	0	0	0	0
426	Andrews U.	112	0	0	0	68	44	0	0	0	0
427	Loyola Marymount U.	111	0	0	0	2	54	0	0	0	55
428	Southeastern LA U.	109	0	0	38	0	71	0	0	0	0
429	SUNY Upstate Medical U.	109	0	0	109	0	0	0	0	0	0
430	OR Institute of Technology	107	107	0	0	0	0	0	0	0	0
431	Nova Southeastern U.	100	0	100	0	0	0	0	0	0	0
432	Meharry Medical C.	99	0	0	99	0	0	0	0	0	0
433	Manhattan C.	97	0	0	0	0	0	0	0	0	97
434	U. IL Springfield	97	0	0	0	0	97	0	0	0	0
435	Southeastern OK State U.	95	0	0	64	0	31	0	0	0	0
436	CUNY Baruch C.	93	0	0	76	4	0	13	0	0	0
437	Rosalind Franklin U. of Medicine and Science	93	0	0	93	0	0	0	0	0	0
438	Northeastern OH Universities C. of Medicine	89	0	0	89	0	0	0	0	0	0
439	U. of St. Thomas (St. Paul, MN)	89	0	0	41	0	48	0	0	0	0
440	NY Medical C.	86	0	0	86	0	0	0	0	0	0
441	Loyola U. New Orleans	85	0	0	0	10	75	0	0	0	0
442	U. Puget Sound	85	0	49	0	0	0	0	36	0	0
443	U. WI Stevens Point	85	78	0	0	0	7	0	0	0	0
444	Lamar U.	83	40	0	0	0	25	0	0	0	18
445	Midwestern U. (Chicago, IL)	83	0	0	83	0	0	0	0	0	0
446	Sonoma State U.	82	0	0	82	0	0	0	0	0	0
447	Sinte Gleska U.	77	0	26	0	0	51	0	0	0	0
448	Mt. St. Mary's C. (Los Angeles, CA)	76	0	0	0	0	76	0	0	0	0
449	Juniata C.	75	0	12	0	0	63	0	0	0	0
450	AL State U.	73	0	0	0	0	0	0	73	0	0
451	U. Houston-Clear Lake	73	69	0	4	0	0	0	0	0	0
452	FL Gulf Coast U.	72	0	0	72	0	0	0	0	0	0
453	Roanoke C.	72	0	0	0	0	72	0	0	0	0
454	Simmons C.	72	0	0	0	0	72	0	0	0	0
455	Lake Forest C.	70	0	0	70	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 2005  
(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
456	Elizabeth City State U.	64	0	0	64	0	0	0	0	0	0
457	U. Hartford	62	62	0	0	0	0	0	0	0	0
458	Coastal Carolina U.	58	0	21	0	0	37	0	0	0	0
459	Northern KY U.	58	0	0	14	0	44	0	0	0	0
460	St. Mary's C. MD	58	0	18	40	0	0	0	0	0	0
461	Monmouth U.	57	0	0	0	0	57	0	0	0	0
462	CO State U. Pueblo	56	0	0	0	0	0	0	0	0	56
463	U. Central OK	56	0	0	56	0	0	0	0	0	0
464	Northeastern IL U.	55	0	0	0	55	0	0	0	0	0
465	U. Redlands	53	0	0	16	0	37	0	0	0	0
466	Willamette U.	51	0	0	2	0	49	0	0	0	0
467	Fairfield U.	50	0	0	0	0	50	0	0	0	0
468	Eastern KY U.	48	0	7	17	0	16	8	0	0	0
469	WV State U.	44	0	0	44	0	0	0	0	0	0
470	American U.	40	0	0	15	0	0	0	25	0	0
471	SUNY Health Science Ctr. Brooklyn	40	0	0	40	0	0	0	0	0	0
472	SUNY C. Buffalo	38	0	38	0	0	0	0	0	0	0
473	U. TX Tyler	38	0	0	0	0	0	0	0	0	38
474	CA State U. Bakersfield	36	0	0	0	0	36	0	0	0	0
475	Morehead State U.	36	0	0	0	0	0	13	0	0	23
476	Tarleton State U.	36	0	0	0	0	36	0	0	0	0
477	U. of the Sciences Philadelphia	34	0	0	34	0	0	0	0	0	0
478	SUNY C. of Optometry	33	0	0	33	0	0	0	0	0	0
479	VA State U.	33	0	0	33	0	0	0	0	0	0
480	NM Highlands U.	31	0	0	0	0	31	0	0	0	0
481	U. of the South	31	25	5	1	0	0	0	0	0	0
482	Grand Valley State U.	26	6	9	11	0	0	0	0	0	0
483	Tuskegee U.	26	0	0	26	0	0	0	0	0	0
484	Stephen F. Austin State U.	23	0	0	0	0	0	0	23	0	0
485	New School, The	20	0	0	0	0	0	5	15	0	0
486	U. New Haven	20	0	0	0	20	0	0	0	0	0
487	U. Northern IA	19	19	0	0	0	0	0	0	0	0
488	Governors State U.	16	0	0	0	0	16	0	0	0	0
489	Nicholls State U.	16	0	0	16	0	0	0	0	0	0
490	CA State U. Monterey Bay	15	0	15	0	0	0	0	0	0	0

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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 2005  
(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	Kennesaw State U.	14	0	0	0	14	0	0	0	0	0
492	Pitzer C.	13	0	0	0	13	0	0	0	0	0
493	SUNY C. Oswego	11	0	0	0	8	3	0	0	0	0
494	Pittsburg State U.	10	0	0	10	0	0	0	0	0	0
495	SUNY Fredonia	10	0	0	0	0	10	0	0	0	0
496	KY State U.	8	0	0	0	0	0	0	0	0	8
497	Western Carolina U.	7	0	0	7	0	0	0	0	0	0
498	TX Woman's U.	6	0	0	0	0	0	0	6	0	0
499	Indiana U. PA all campuses	4	0	4	0	0	0	0	0	0	0
500	Albany Medical C.	3	0	0	3	0	0	0	0	0	0
501	Augustana C. (Sioux Falls, SD)	1	0	0	0	0	0	0	1	0	0
502	Bridgewater State C.	1	0	0	0	0	1	0	0	0	0
503	New C. FL	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
	Albany C. of Pharmacy	0	0	0	0	0	0	0	0	0	0
	Alcorn State U.	0	0	0	0	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Bluefield State C.	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
	Claffin U.	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
	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
	Fayetteville State U.	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
	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
	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
	KS State 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 2005  
(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
	Langston 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
	Lincoln U. (Jefferson City, MO)	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
	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 U. OH	0	0	0	0	0	0	0	0	0	0
	Morehouse School of Medicine	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
	Northeastern State U.	0	0	0	0	0	0	0	0	0	0
	Pacific 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
	Ponce School of Medicine	0	0	0	0	0	0	0	0	0	0
	Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0
	Shaw 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
	TX A&M International 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 Tech U. Health Science Ctr.	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
	U. Baltimore	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 Eastern Shore	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
	VA Military Institute	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 2005  
(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
	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
	Wiley C.	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.

nec = not elsewhere classified.

NSF = National Science Foundation.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

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 2005

(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	814,067	1,872	53,815	672,855	3,515	6,656	406	35,135	5,164	34,617
1	CO State U.	38,692	0	26,634	9,936	47	0	0	411	0	1,664
2	Cornell U. all campuses	26,001	286	208	23,107	0	6	159	1,393	0	842
3	U. MO-Columbia	25,776	0	289	21,941	0	0	0	3,347	0	199
4	IA State U.	24,777	0	1,445	16,975	2,938	497	0	895	0	2,027
5	MS State U.	23,311	0	66	22,964	18	120	0	34	0	109
6	MI State U.	23,051	0	56	20,552	0	44	8	1,305	0	1,086
7	OH State U. all campuses	22,625	1	0	19,353	0	0	0	812	470	1,989
8	NC State U.	22,199	0	338	18,969	134	0	0	552	0	2,206
9	U. FL	21,956	42	4	20,726	20	37	47	429	0	651
10	Baylor C. of Medicine	21,824	0	0	21,824	0	0	0	0	0	0
11	Purdue U. all campuses	20,069	46	138	15,156	86	24	0	2,135	0	2,484
12	U. GA	19,454	141	37	16,821	0	4	0	1,672	0	779
13	U. CA, Davis	18,896	0	269	17,920	0	183	0	319	0	205
14	OR State U.	18,689	35	609	15,664	7	94	0	172	197	1,911
15	U. IL Urbana-Champaign	18,181	0	2,344	13,706	0	1	0	1,515	1	614
16	Tufts U.	16,910	0	0	16,874	0	0	0	0	0	36
17	WA State U.	16,438	0	0	13,556	4	0	5	1,656	0	1,217
18	U. WI Madison	16,349	0	202	13,402	0	0	0	2,039	0	706
19	U. MN all campuses	15,986	0	338	14,661	0	0	0	729	0	258
20	UT State U.	14,265	25	85	10,562	0	63	8	694	2,803	25
21	TX A&M U. all campuses	13,626	0	117	13,222	0	9	0	0	0	278
22	VA Polytechnic Institute and State U.	13,004	14	93	12,268	0	0	0	282	0	347
23	U. NE all campuses	11,553	650	14	10,242	0	2	0	339	14	292
24	Auburn U. all campuses	11,252	0	77	8,890	62	126	0	833	0	1,264
25	U. AR main campus	11,159	0	134	10,190	0	0	0	4	0	831
26	U. ID	11,011	22	224	9,480	0	154	0	279	0	852
27	Rutgers, The State U. NJ all campuses	10,885	0	462	9,387	0	0	0	1,036	0	0
28	U. MD College Park	10,816	0	0	9,498	0	85	0	1,047	0	186
29	U. HI Manoa	9,953	0	128	9,074	0	0	0	212	534	5
30	ND State U. all campuses	9,697	0	0	8,770	0	0	0	625	0	302
31	PA State U. all campuses	9,632	0	556	8,885	0	0	10	57	0	124
32	MT State U. Bozeman	9,046	0	4	8,232	0	2	0	767	1	40
33	Clemson U.	8,169	0	0	6,874	0	79	0	237	0	979
34	NM State U. all campuses	7,820	0	0	7,745	0	30	0	0	0	45
35	OK State U. all campuses	7,718	0	233	6,821	0	0	0	345	68	251

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 2005

(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	LA State U. all campuses	7,569	0	127	6,651	0	57	0	482	0	252
37	U. CT all campuses	7,207	0	0	6,209	0	0	0	678	0	320
38	WV U.	7,019	11	70	6,599	0	0	0	130	0	209
39	U. AZ	6,870	0	102	5,501	0	0	0	1,111	0	156
40	FL A&M U.	6,823	0	0	6,746	0	0	0	0	0	77
41	AL A&M U.	6,813	0	0	6,813	0	0	0	0	0	0
42	U. WY	6,238	0	109	5,841	0	0	0	229	59	0
43	U. VT	6,128	0	0	6,128	0	0	0	0	0	0
44	SD State U.	5,728	0	0	4,557	0	75	0	865	0	231
45	U. AK Fairbanks all campuses	5,668	0	1,174	4,136	0	0	0	0	0	358
46	U. KY all campuses	5,643	0	0	4,498	0	0	0	264	0	881
47	Tarleton State U.	5,299	0	514	4,785	0	0	0	0	0	0
48	U. CA, Riverside	5,299	0	834	4,388	21	0	0	0	0	56
49	U. MS all campuses	5,056	167	0	2,037	0	1,637	0	0	0	1,215
50	U. ND all campuses	4,871	0	353	2,234	0	59	0	10	0	2,215
51	U. CA, Berkeley	4,803	0	0	4,715	10	0	0	0	0	78
52	U. TN all campuses	4,406	0	0	3,663	0	0	0	387	0	356
53	U. NH	4,370	0	538	3,659	0	0	0	110	37	26
54	Alcorn State U.	4,173	0	0	4,173	0	0	0	0	0	0
55	NC Agricultural and Technical State U.	3,883	0	0	3,883	0	0	0	0	0	0
56	TX Tech U.	3,879	0	144	2,666	0	182	0	735	0	152
57	Langston U.	3,848	0	0	3,848	0	0	0	0	0	0
58	U. MT, The	3,745	4	35	2,900	25	384	0	397	0	0
59	U. NV, Reno	3,709	0	156	3,370	0	0	0	170	0	13
60	Prairie View A&M U.	3,504	0	0	3,406	0	0	0	0	0	98
61	U. Southern MS	3,479	0	947	1,269	0	1,235	0	28	0	0
62	TN State U.	3,368	0	0	3,368	0	0	0	0	0	0
63	U. Toledo	3,359	0	1,400	1,959	0	0	0	0	0	0
64	U. ME	3,203	0	68	2,922	0	58	0	7	0	148
65	U. DE	2,996	36	144	2,740	0	0	0	76	0	0
66	KY State U.	2,957	0	0	2,957	0	0	0	0	0	0
67	U. AR Pine Bluff	2,920	0	0	2,920	0	0	0	0	0	0
68	Tuskegee U.	2,787	0	0	2,420	0	7	0	0	0	360
69	U. MA Amherst	2,649	0	355	2,288	0	0	0	5	0	1
70	Ft. Valley State U.	2,492	0	0	2,492	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 2005

(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
71	U. RI	2,453	0	0	2,448	0	0	5	0	0	0
72	VA State U.	2,340	0	0	2,340	0	0	0	0	0	0
73	U. WA	2,007	0	381	1,626	0	0	0	0	0	0
74	U. of the VI	1,963	0	0	1,963	0	0	0	0	0	0
75	Lincoln U. (Jefferson City, MO)	1,951	0	130	1,821	0	0	0	0	0	0
76	CA State U. Fresno	1,891	0	0	1,891	0	0	0	0	0	0
77	FL State U.	1,887	3	1,119	765	0	0	0	0	0	0
78	U. HI Hilo	1,789	0	0	1,789	0	0	0	0	0	0
79	MI Technological U.	1,752	0	1,560	0	0	0	0	20	0	172
80	DE State U.	1,733	0	0	1,733	0	0	0	0	0	0
81	WV State U.	1,732	20	24	1,688	0	0	0	0	0	0
82	Northern AZ U.	1,651	0	21	1,570	0	3	0	10	0	47
83	Southern IL U. Carbondale	1,401	0	0	1,273	0	0	0	45	83	0
84	Sul Ross State U.	1,350	0	934	416	0	0	0	0	0	0
85	U. MI all campuses	1,293	32	58	1,081	0	46	0	1	0	75
86	U. PA	1,213	0	3	1,210	0	0	0	0	0	0
87	U. SC all campuses	1,180	34	845	173	0	0	0	21	27	80
88	Johns Hopkins U., The <sup>a</sup>	1,097	0	0	1,024	0	0	0	23	0	50
89	U. MD Eastern Shore	1,071	0	0	1,003	0	68	0	0	0	0
90	U. NV, Las Vegas	1,059	0	1,034	0	0	0	0	25	0	0
91	AZ State U. main campus	965	0	7	753	0	204	0	1	0	0
92	Yale U.	940	0	0	837	0	0	0	6	0	97
93	U. CA, Santa Cruz	925	0	131	538	0	0	0	256	0	0
94	Western KY U.	905	0	28	702	0	175	0	0	0	0
95	CA State Polytechnic U. San Luis Obispo	900	0	0	884	0	0	2	14	0	0
96	Thomas Jefferson U.	875	0	0	875	0	0	0	0	0	0
97	GA State U.	824	0	0	2	0	33	0	789	0	0
98	Washington U. St. Louis	772	0	0	729	0	0	0	0	0	43
99	Portland State U.	769	0	632	105	0	0	0	32	0	0
100	TX A&M U. Kingsville	729	0	0	729	0	0	0	0	0	0
101	U. CA, Santa Barbara	725	139	137	226	0	0	0	223	0	0
102	Tulane U.	721	0	0	721	0	0	0	0	0	0
103	Western Carolina U.	670	106	0	308	0	0	0	256	0	0
104	West TX A&M U.	668	0	132	536	0	0	0	0	0	0
105	U. DC	639	0	0	639	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 2005

(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
106	Dartmouth C.	609	0	22	446	0	0	0	4	0	137
107	Brigham Young U. all campuses	590	0	0	484	0	0	0	5	0	101
108	Howard U.	586	0	0	519	0	0	0	0	67	0
109	U. OK all campuses	571	0	0	492	0	79	0	0	0	0
110	U. CO all campuses	545	0	207	249	0	0	0	42	0	47
111	Vanderbilt U.	541	0	0	443	0	13	0	0	0	85
112	IN U. all campuses	514	0	0	458	0	0	0	56	0	0
113	U. Miami	501	0	371	19	0	13	0	0	0	98
114	Duke U.	496	0	169	298	0	4	0	22	0	3
115	Stephen F. Austin State U.	472	0	0	472	0	0	0	0	0	0
116	U. NC Chapel Hill	446	0	50	396	0	0	0	0	0	0
117	Marshall U.	427	0	0	427	0	0	0	0	0	0
118	GA Southern U.	426	0	287	139	0	0	0	0	0	0
119	U. WI Milwaukee	404	0	372	9	0	0	0	19	0	4
120	U. KS all campuses	399	0	0	399	0	0	0	0	0	0
121	Boise State U.	393	0	348	45	0	0	0	0	0	0
122	Jackson State U.	388	0	0	0	0	0	0	0	388	0
123	George Mason U.	381	0	55	147	61	0	0	118	0	0
124	U. TX Medical Branch	363	0	0	363	0	0	0	0	0	0
125	Georgetown U.	351	0	0	267	0	0	0	84	0	0
126	C. of William and Mary all campuses	347	0	227	120	0	0	0	0	0	0
127	Bowling Green State U. all campuses	346	0	346	0	0	0	0	0	0	0
128	U. AR for Medical Sciences	320	0	0	320	0	0	0	0	0	0
129	U. Northern IA	319	0	0	319	0	0	0	0	0	0
130	LA Tech U.	312	0	81	231	0	0	0	0	0	0
131	U. Central FL	312	0	0	312	0	0	0	0	0	0
132	U. NM all campuses	310	0	77	128	0	0	0	105	0	0
133	U. of Notre Dame	304	0	0	278	0	0	0	26	0	0
134	U. WI Stevens Point	292	0	19	273	0	0	0	0	0	0
135	U. OR	289	0	145	89	0	0	0	55	0	0
136	Southern OR U.	283	0	61	139	0	6	0	77	0	0
137	Syracuse U. all campuses	281	0	0	0	0	0	0	0	186	95
138	U. PR Mayaguez Campus	276	0	0	59	0	175	0	0	0	42
139	U. IL Chicago	255	0	14	228	0	0	0	13	0	0
140	IL Institute of Technology	239	0	0	239	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 2005

(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
141	U. MD Biotechnology Institute	238	0	32	206	0	0	0	0	0	0
142	U. MD Baltimore County	222	0	15	83	0	0	0	117	0	7
143	U. Cincinnati all campuses	214	0	0	214	0	0	0	0	0	0
144	U. NC Greensboro	205	0	0	139	0	0	0	66	0	0
145	U. Akron all campuses	204	0	0	0	0	0	0	0	0	204
146	Drexel U.	198	0	0	126	0	0	0	0	0	72
147	Baylor U.	189	0	119	0	0	45	0	25	0	0
148	Furman U.	183	0	0	183	0	0	0	0	0	0
149	SUNY Buffalo all campuses	179	0	54	125	0	0	0	0	0	0
150	CA State U. San Bernardino	178	0	0	172	0	0	0	6	0	0
151	East Carolina U.	178	0	0	174	0	0	0	4	0	0
152	TX A&M U. System Health Science Ctr.	178	0	0	178	0	0	0	0	0	0
153	CA State Polytechnic U. Pomona	171	0	0	171	0	0	0	0	0	0
154	GA Institute of Technology all campuses	168	0	0	0	0	29	11	28	0	100
155	Northwestern U.	168	0	0	0	0	0	0	2	0	166
156	James Madison U.	162	15	0	43	0	0	0	95	0	9
157	SUNY C. Brockport	162	0	0	162	0	0	0	0	0	0
158	U. NC Wilmington	157	0	0	157	0	0	0	0	0	0
159	Sonoma State U.	156	0	0	156	0	0	0	0	0	0
160	U. CA, Irvine	151	0	0	151	0	0	0	0	0	0
161	C. Charleston	149	14	45	71	0	19	0	0	0	0
162	Occidental C.	149	0	0	0	0	0	0	149	0	0
163	Albany State U.	147	0	147	0	0	0	0	0	0	0
164	U. TX Austin	146	0	42	17	0	7	0	0	0	80
165	Lamar U.	144	0	0	0	0	0	0	0	0	144
166	U. MD Ctr. for Environmental Science	140	0	140	0	0	0	0	0	0	0
167	Duquesne U.	138	0	0	97	0	0	0	41	0	0
168	IL State U.	138	0	0	138	0	0	0	0	0	0
169	AR State U. main campus	135	0	27	108	0	0	0	0	0	0
170	U. AL, The	134	0	52	8	0	0	0	0	0	74
171	Morehead State U.	133	0	0	0	0	0	0	0	0	133
172	Rice U.	131	0	0	93	0	0	0	21	0	17
173	VA Commonwealth U.	127	0	0	42	0	4	0	0	0	81
174	U. MO-Rolla	124	0	103	21	0	0	0	0	0	0
175	U. Southern CA	120	0	0	120	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 2005

(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
176	Western IL U.	118	0	0	28	0	90	0	0	0	0
177	ID State U.	115	0	0	115	0	0	0	0	0	0
178	Fordham U.	112	0	0	112	0	0	0	0	0	0
179	U. LA Lafayette	110	0	0	17	0	0	0	0	93	0
180	Boston U.	109	0	0	109	0	0	0	0	0	0
181	SUNY Stony Brook all campuses	109	0	0	109	0	0	0	0	0	0
182	Northern IL U.	106	0	0	13	0	0	93	0	0	0
183	Harvard U.	104	0	8	80	0	0	0	16	0	0
184	U. CA, Los Angeles	103	0	0	54	0	49	0	0	0	0
185	NJ Institute of Technology	102	0	0	0	0	0	0	0	0	102
186	SUNY Albany	102	0	26	69	0	0	0	7	0	0
187	U. SD	101	0	0	100	0	0	0	1	0	0
188	U. UT	101	0	76	25	0	0	0	0	0	0
189	SD School of Mines and Technology	98	0	22	0	0	0	0	0	0	76
190	Medical U. SC	97	0	0	97	0	0	0	0	0	0
191	U. CA, San Diego	97	0	70	27	0	0	0	0	0	0
192	Morgan State U.	96	0	0	96	0	0	0	0	0	0
193	U. CA, San Francisco	96	0	0	92	0	4	0	0	0	0
194	George Washington U.	95	0	0	0	0	0	0	95	0	0
195	U. WI Superior	91	0	91	0	0	0	0	0	0	0
196	Clark Atlanta U.	85	0	0	0	0	0	0	5	80	0
197	U. TX Health Science Ctr. Houston	85	0	0	85	0	0	0	0	0	0
198	Desert Research Institute	84	0	78	6	0	0	0	0	0	0
199	U. TX Southwestern Medical Ctr. Dallas	84	0	0	84	0	0	0	0	0	0
200	Emory U.	83	0	0	53	0	26	0	4	0	0
201	Rochester Institute of Technology	77	0	0	21	0	48	0	0	0	8
202	U. MO-St. Louis	77	0	0	77	0	0	0	0	0	0
203	Southwest MO State U.	74	0	0	74	0	0	0	0	0	0
204	TX State U. San Marcos	73	0	0	73	0	0	0	0	0	0
205	U. WI Oshkosh	71	0	0	71	0	0	0	0	0	0
206	NY U.	69	0	0	69	0	0	0	0	0	0
207	State U. West GA	69	0	0	69	0	0	0	0	0	0
208	CUNY The City C.	68	0	0	0	0	68	0	0	0	0
209	MT Tech of the U. MT	68	0	68	0	0	0	0	0	0	0
210	SUNY C. Cortland	67	0	0	67	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 2005

(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
211	Marquette U.	65	0	0	65	0	0	0	0	0	0
212	Mt. Sinai School of Medicine	65	0	0	65	0	0	0	0	0	0
213	U. MA Worcester	64	0	0	64	0	0	0	0	0	0
214	Ball State U.	61	0	0	0	0	0	0	61	0	0
215	SUNY C. Plattsburgh	61	0	0	61	0	0	0	0	0	0
216	U. TX-Pan American	61	0	0	61	0	0	0	0	0	0
217	Appalachian State U.	58	0	0	0	0	0	0	58	0	0
218	U. MA Dartmouth	58	0	0	23	0	35	0	0	0	0
219	TX A&M U. Corpus Christi	56	0	15	0	0	0	0	0	41	0
220	Western MI U.	55	0	0	51	0	0	0	0	0	4
221	Bowdoin C.	54	0	0	18	0	36	0	0	0	0
222	Clark U.	54	0	54	0	0	0	0	0	0	0
223	SUNY Binghamton	53	0	0	43	0	0	0	10	0	0
224	Columbia U. in the City of NY	51	0	0	0	0	0	0	0	0	51
225	CUNY Herbert H. Lehman C.	51	0	0	51	0	0	0	0	0	0
226	IN State U. all campuses	50	0	50	0	0	0	0	0	0	0
227	DePaul U.	49	0	49	0	0	0	0	0	0	0
228	U. Louisville	49	0	0	16	0	0	0	33	0	0
229	Old Dominion U.	48	0	0	0	0	0	0	0	0	48
230	SUNY C. Geneseo	48	0	0	48	0	0	0	0	0	0
231	East TN State U.	47	0	0	47	0	0	0	0	0	0
232	U. South FL	47	0	1	31	0	15	0	0	0	0
233	Murray State U.	46	0	20	26	0	0	0	0	0	0
234	U. Houston-Clear Lake	46	0	0	0	46	0	0	0	0	0
235	West Chester U. PA	46	0	0	46	0	0	0	0	0	0
236	U. Memphis, The	45	0	0	45	0	0	0	0	0	0
237	U. TX Dallas	44	8	6	11	0	13	1	0	1	4
238	Nicholls State U.	43	0	0	42	0	1	0	0	0	0
239	St. Cloud State U.	43	0	0	39	0	0	0	4	0	0
240	Carleton C.	42	0	0	42	0	0	0	0	0	0
241	Ithaca C.	42	0	0	3	0	0	39	0	0	0
242	OH U. all campuses	42	0	42	0	0	0	0	0	0	0
243	Southern IL U. Edwardsville	41	0	0	41	0	0	0	0	0	0
244	Sinte Gleska U.	40	0	35	5	0	0	0	0	0	0
245	SUNY Upstate Medical U.	40	0	0	40	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 2005

(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
246	Macalester C.	37	0	0	37	0	0	0	0	0	0
247	SUNY C. Buffalo	37	0	37	0	0	0	0	0	0	0
248	U. North TX Health Science Ctr. Ft. Worth	37	0	0	37	0	0	0	0	0	0
249	U. Northern CO	37	0	5	32	0	0	0	0	0	0
250	U. WI River Falls	37	0	4	33	0	0	0	0	0	0
251	Case Western Reserve U.	35	0	0	35	0	0	0	0	0	0
252	CUNY Hunter C.	35	0	0	0	0	35	0	0	0	0
253	San Francisco State U.	32	NA	NA	NA	NA	NA	NA	NA	NA	NA
254	Wright State U. all campuses	31	0	0	0	0	31	0	0	0	0
255	Lafayette C.	30	0	12	0	0	0	0	0	0	18
256	Lehigh U.	30	0	0	0	0	28	0	0	0	2
257	U. North TX	30	0	0	30	0	0	0	0	0	0
258	Worcester Polytechnic Institute	30	0	0	0	25	0	0	0	0	5
259	Truman State U.	29	0	0	29	0	0	0	0	0	0
260	U. AL Birmingham, The	29	0	0	29	0	0	0	0	0	0
261	U. WI La Crosse	29	0	0	0	0	0	0	29	0	0
262	Jacksonville State U.	28	0	28	0	0	0	0	0	0	0
263	St. Louis U. all campuses	26	0	0	26	0	0	0	0	0	0
264	Central MI U.	25	0	0	25	0	0	0	0	0	0
265	Uniformed Services U. of the Health Sciences	24	0	0	24	0	0	0	0	0	0
266	U. Rochester	24	0	0	24	0	0	0	0	0	0
267	Cleveland State U.	23	0	0	0	0	0	18	0	0	5
268	TN Technological U.	21	0	0	4	0	0	0	0	0	17
269	Towson U.	21	21	0	0	0	0	0	0	0	0
270	FL Gulf Coast U.	20	0	0	20	0	0	0	0	0	0
271	U. MA Boston	20	0	0	20	0	0	0	0	0	0
272	U. West FL	19	0	0	19	0	0	0	0	0	0
273	CA State U. Long Beach	18	0	0	18	0	0	0	0	0	0
274	Southern Methodist U.	18	0	0	0	0	0	0	18	0	0
275	TX Christian U.	15	0	0	15	0	0	0	0	0	0
276	U. NC Asheville	15	0	1	0	0	0	0	0	14	0
277	U. Richmond	15	0	0	15	0	0	0	0	0	0
278	Eastern WA U.	14	0	0	14	0	0	0	0	0	0
279	Brown U.	13	0	0	0	0	0	0	13	0	0
280	U. Denver	13	0	0	13	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 2005

(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
281	U. of St. Thomas (St. Paul, MN)	13	0	0	13	0	0	0	0	0	0
282	U. South AL	12	0	0	12	0	0	0	0	0	0
283	Whitman C.	12	0	0	12	0	0	0	0	0	0
284	Augustana C. (Sioux Falls, SD)	11	0	0	11	0	0	0	0	0	0
285	Grand Valley State U.	11	0	9	2	0	0	0	0	0	0
286	Valparaiso U.	11	0	0	0	11	0	0	0	0	0
287	Wellesley C.	11	0	0	11	0	0	0	0	0	0
288	Andrews U.	10	0	0	10	0	0	0	0	0	0
289	CUNY Brooklyn C.	10	0	0	5	0	0	0	5	0	0
290	Roger Williams U. Bristol	10	0	10	0	0	0	0	0	0	0
291	Southeastern OK State U.	10	0	0	10	0	0	0	0	0	0
292	U. TX Arlington	9	0	0	9	0	0	0	0	0	0
293	U. Tulsa	8	0	0	0	0	0	0	8	0	0
294	Boston C.	7	0	7	0	0	0	0	0	0	0
295	St. Joseph's U.	7	0	0	7	0	0	0	0	0	0
296	Allegheny C.	6	0	0	6	0	0	0	0	0	0
297	Drake U.	6	0	6	0	0	0	0	0	0	0
298	Eastern KY U.	6	0	0	6	0	0	0	0	0	0
299	Rensselaer Polytechnic Institute	6	0	6	0	0	0	0	0	0	0
300	U. TX San Antonio	6	0	0	0	0	0	0	6	0	0
301	Eastern OR U.	5	0	0	5	0	0	0	0	0	0
302	Wayne State U.	5	0	0	5	0	0	0	0	0	0
303	Middle TN State U.	4	0	0	0	0	0	0	4	0	0
304	Oakland U.	4	0	0	0	0	0	0	0	0	4
305	Northeastern IL U.	3	0	0	3	0	0	0	0	0	0
306	Smith C.	3	0	0	0	0	0	0	0	0	3
307	U. Dayton	3	0	0	3	0	0	0	0	0	0
308	OR Health & Science U.	2	0	0	2	0	0	0	0	0	0
309	U. Redlands	2	0	2	0	0	0	0	0	0	0
310	CA Institute of Technology	1	0	0	0	0	0	0	0	0	1
	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
	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
	Albany Medical 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 2005

(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
	Alfred U. all campuses	0	0	0	0	0	0	0	0	0	0
	American U.	0	0	0	0	0	0	0	0	0	0
	Amherst C.	0	0	0	0	0	0	0	0	0	0
	A.T. Still U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
	Augsburg C.	0	0	0	0	0	0	0	0	0	0
	Augustana C. (Rock Island, IL)	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
	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
	Bridgewater State C.	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 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. Fullerton	0	0	0	0	0	0	0	0	0	0
	CA State U. Los Angeles	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. Northridge	0	0	0	0	0	0	0	0	0	0
	Calvin C.	0	0	0	0	0	0	0	0	0	0
	Carnegie Mellon 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
	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
	Chicago State U.	0	0	0	0	0	0	0	0	0	0
	Christopher Newport U.	0	0	0	0	0	0	0	0	0	0
	Claflin 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 2005

(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
	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
	Colby C.	0	0	0	0	0	0	0	0	0	0
	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
	CO School of Mines	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 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 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
	Dickinson C.	0	0	0	0	0	0	0	0	0	0
	Eastern MI U.	0	0	0	0	0	0	0	0	0	0
	Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0
	Embry-Riddle Aeronautical 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
	Fitchburg State C.	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
	FL International U.	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
	Governors 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

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 2005

(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
	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
	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
	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
	KS State U.	0	0	0	0	0	0	0	0	0	0
	Kennesaw State U.	0	0	0	0	0	0	0	0	0	0
	Kent State U. all campuses	0	0	0	0	0	0	0	0	0	0
	Kettering 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
	Lewis and Clark C.	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 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
	Maharishi U. of Management	0	0	0	0	0	0	0	0	0	0
	Manhattan C.	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
	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
	Medical U. OH	0	0	0	0	0	0	0	0	0	0
	Meharry Medical 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 2005

(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
	Mercer U. all campuses	0	0	0	0	0	0	0	0	0	0
	Midwestern U. (Chicago, IL)	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
	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
	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
	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 C. FL	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
	NJ City U.	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
	Norfolk State 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
	Northern KY 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
	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 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
	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

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 2005

(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
	Polytechnic U.	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
	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
	San Jose State U.	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
	Seattle 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
	Southeastern LA U.	0	0	0	0	0	0	0	0	0	0
	Spelman C.	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. 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

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 2005

(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
	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
	Teachers C. Columbia U.	0	0	0	0	0	0	0	0	0	0
	Temple U.	0	0	0	0	0	0	0	0	0	0
	TX A&M International 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 Southern U.	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
	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
	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. 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
	U. AL Huntsville, The	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. CA, Merced	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. 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. 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 Lowell	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 Haven	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 2005

(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. NC Charlotte	0	0	0	0	0	0	0	0	0	0
	U. North FL	0	0	0	0	0	0	0	0	0	0
	U. Pittsburgh all campuses	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 U. C.	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. 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. 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 Tyler	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. VA all campuses	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 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
	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
	Wake Forest U.	0	0	0	0	0	0	0	0	0	0
	Washington and Lee U.	0	0	0	0	0	0	0	0	0	0
	Wesleyan 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 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
	Wichita State U.	0	0	0	0	0	0	0	0	0	0
	Wiley 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 2005

(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
	Willamette 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
	Yeshiva U.	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.

<sup>a</sup> Data represent the federally funded expenditures of The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). With \$649 million 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 2005.

TABLE 80. Current fund expenditures for research equipment at universities and colleges, by science and engineering field and source of funds: FY 2004–05

(Dollars in thousands)

Field	All expenditures		Federal		Nonfederal	
	2004	2005	2004	2005	2004	2005
All science and engineering	1,888,322	1,870,488	1,172,377	1,175,231	715,945	695,257
Science	1,494,659	1,432,640	950,452	922,473	544,207	510,167
Computer sciences	104,771	72,168	84,407	56,966	20,364	15,202
Environmental sciences	124,993	121,808	92,978	93,759	32,015	28,049
Atmospheric sciences	19,686	25,100	15,880	21,824	3,806	3,276
Earth sciences	42,950	44,018	28,778	29,904	14,172	14,114
Oceanography	41,073	39,861	32,734	31,495	8,339	8,366
Environmental sciences, nec	21,284	12,829	15,586	10,536	5,698	2,293
Life sciences	833,808	821,056	506,495	508,636	327,313	312,420
Agricultural sciences	78,460	71,445	30,901	30,252	47,559	41,193
Biological sciences	345,685	324,293	219,413	203,559	126,272	120,734
Medical sciences	376,094	376,035	235,725	251,066	140,369	124,969
Life sciences, nec	33,569	49,283	20,456	23,759	13,113	25,524
Mathematical sciences	8,045	8,897	5,845	6,739	2,200	2,158
Physical sciences	337,786	324,230	230,808	226,656	106,978	97,574
Astronomy	24,587	22,695	19,554	17,568	5,033	5,127
Chemistry	116,538	111,634	77,414	80,407	39,124	31,227
Physics	159,944	159,844	114,307	116,828	45,637	43,016
Physical sciences, nec	36,717	30,057	19,533	11,853	17,184	18,204
Psychology	17,779	14,781	12,741	9,431	5,038	5,350
Social sciences	14,476	17,475	6,450	6,829	8,026	10,646
Economics	1,853	2,111	660	896	1,193	1,215
Political sciences	1,886	1,643	1,371	943	515	700
Sociology	2,353	2,555	1,127	1,007	1,226	1,548
Social sciences, nec	8,384	11,166	3,292	3,983	5,092	7,183
Sciences, nec	53,001	52,225	10,728	13,457	42,273	38,768
Engineering	393,663	437,848	221,925	252,758	171,738	185,090
Aeronautical/astronautical engineering	21,265	19,500	15,265	13,030	6,000	6,470
Bioengineering/biomedical engineering	18,477	28,718	9,770	12,751	8,707	15,967
Chemical engineering	54,635	37,780	17,704	20,184	36,931	17,596
Civil engineering	33,659	29,107	20,604	17,085	13,055	12,022
Electrical engineering	81,172	90,232	56,060	60,382	25,112	29,850
Mechanical engineering	55,263	76,114	36,413	53,165	18,850	22,949
Metallurgical/materials engineering	38,478	50,857	25,067	33,629	13,411	17,228
Engineering, nec	90,714	105,540	41,042	42,532	49,672	63,008

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 2005.



TABLE 81. Current fund expenditures for research equipment at universities and colleges, by science and engineering field, source of funds, and institutional control: FY 2005

(Dollars in thousands)

Field	All expenditures			Federal			Nonfederal		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
All science and engineering	1,870,488	1,286,900	583,588	1,175,231	747,882	427,349	695,257	539,018	156,239
Science	1,432,640	967,105	465,535	922,473	579,331	343,142	510,167	387,774	122,393
Computer sciences	72,168	51,859	20,309	56,966	41,237	15,729	15,202	10,622	4,580
Environmental sciences	121,808	97,415	24,393	93,759	72,505	21,254	28,049	24,910	3,139
Atmospheric sciences	25,100	22,234	2,866	21,824	19,086	2,738	3,276	3,148	128
Earth sciences	44,018	35,913	8,105	29,904	23,736	6,168	14,114	12,177	1,937
Oceanography	39,861	28,937	10,924	31,495	21,345	10,150	8,366	7,592	774
Environmental sciences, nec	12,829	10,331	2,498	10,536	8,338	2,198	2,293	1,993	300
Life sciences	821,056	549,074	271,982	508,636	305,750	202,886	312,420	243,324	69,096
Agricultural sciences	71,445	69,459	1,986	30,252	29,138	1,114	41,193	40,321	872
Biological sciences	324,293	205,756	118,537	203,559	120,791	82,768	120,734	84,965	35,769
Medical sciences	376,035	231,859	144,176	251,066	138,387	112,679	124,969	93,472	31,497
Life sciences, nec	49,283	42,000	7,283	23,759	17,434	6,325	25,524	24,566	958
Mathematical sciences	8,897	5,566	3,331	6,739	4,121	2,618	2,158	1,445	713
Physical sciences	324,230	214,724	109,506	226,656	135,232	91,424	97,574	79,492	18,082
Astronomy	22,695	11,294	11,401	17,568	7,264	10,304	5,127	4,030	1,097
Chemistry	111,634	85,908	25,726	80,407	59,817	20,590	31,227	26,091	5,136
Physics	159,844	93,703	66,141	116,828	61,980	54,848	43,016	31,723	11,293
Physical sciences, nec	30,057	23,819	6,238	11,853	6,171	5,682	18,204	17,648	556
Psychology	14,781	9,674	5,107	9,431	5,752	3,679	5,350	3,922	1,428
Social sciences	17,475	14,562	2,913	6,829	4,597	2,232	10,646	9,965	681
Economics	2,111	1,756	355	896	654	242	1,215	1,102	113
Political sciences	1,643	1,487	156	943	886	57	700	601	99
Sociology	2,555	1,954	601	1,007	530	477	1,548	1,424	124
Social sciences, nec	11,166	9,365	1,801	3,983	2,527	1,456	7,183	6,838	345
Sciences, nec	52,225	24,231	27,994	13,457	10,137	3,320	38,768	14,094	24,674
Engineering	437,848	319,795	118,053	252,758	168,551	84,207	185,090	151,244	33,846
Aeronautical/astronautical engineering	19,500	15,288	4,212	13,030	10,274	2,756	6,470	5,014	1,456
Bioengineering/biomedical engineering	28,718	18,762	9,956	12,751	7,162	5,589	15,967	11,600	4,367
Chemical engineering	37,780	30,877	6,903	20,184	16,534	3,650	17,596	14,343	3,253
Civil engineering	29,107	24,558	4,549	17,085	13,819	3,266	12,022	10,739	1,283
Electrical engineering	90,232	70,866	19,366	60,382	44,918	15,464	29,850	25,948	3,902
Mechanical engineering	76,114	38,817	37,297	53,165	22,123	31,042	22,949	16,694	6,255
Metallurgical/materials engineering	50,857	39,699	11,158	33,629	25,494	8,135	17,228	14,205	3,023
Engineering, nec	105,540	80,928	24,612	42,532	28,227	14,305	63,008	52,701	10,307

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 2005.

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
.	All institutions	1,700,310	1,815,225	1,888,322	1,870,488	1,004,543	1,150,320	1,172,377	1,175,231
1	SUNY Albany	4,290	17,172	44,522	53,976	1,417	2,443	5,748	5,420
2	Johns Hopkins U., The <sup>a</sup>	41,596	40,784	57,470	47,970	22,460	16,462	26,745	18,922
3	Charles R. Drew U. of Medicine and Science	743	534	642	43,231	743	534	642	41,207
4	U. WI Madison	35,389	33,435	37,725	42,063	19,493	19,364	21,526	29,812
5	Purdue U. all campuses	23,252	23,502	40,877	37,502	5,586	5,586	11,192	9,585
6	U. IL Urbana-Champaign	26,097	46,975	28,346	35,326	18,422	36,984	22,294	29,335
7	U. Rochester	17,294	14,566	15,166	32,061	15,719	13,520	13,378	28,609
8	MA Institute of Technology	35,503	41,227	38,908	30,237	23,999	31,909	32,639	22,704
9	PA State U. all campuses	20,403	24,598	26,548	30,150	12,724	11,821	16,167	20,024
10	U. WA	31,157	34,880	29,930	30,130	24,341	29,645	26,675	26,271
11	Columbia U. in the City of NY	14,575	12,351	13,045	30,116	9,941	9,743	11,187	23,847
12	U. CA, San Diego	31,775	43,521	60,566	29,637	22,752	33,139	51,459	22,736
13	U. PR Medical Sciences Campus	29,089	29,089 i	29,089 i	29,089	23,931	23,931 i	23,931 i	23,931
14	Washington U. St. Louis	16,108	35,265	22,420	27,333	13,172	32,281	20,019	24,750
15	U. CA, Los Angeles	32,879	38,832	37,497	26,831	19,447	23,548	25,698	16,091
16	U. NE all campuses	10,098	7,712	8,581	26,826	4,052	2,675	3,099	3,162
17	U. CA, Davis	19,317	20,854	21,839	23,213	7,263	8,309	9,088	7,925
18	U. FL	18,010	23,295	21,143	21,299	6,950	9,280	9,101	7,359
19	Cornell U. all campuses	21,443	22,010	22,983	20,844	15,049	14,868	18,761	17,040
20	IN U. all campuses	22,641	19,311	31,634	20,789	5,598	8,470	7,064	5,310
21	CA Institute of Technology	6,559	30,830	24,347	19,722	6,198	19,164	14,014	18,889
22	TX A&M U. all campuses	13,002	10,613	20,720	18,563	4,566	4,820	6,781	9,898
23	LA State U. all campuses	23,700	19,943	20,194	18,274	4,926	5,947	6,370	5,626
24	Stanford U.	23,800	27,671	19,196	18,230	19,824	24,482	16,666	16,029
25	OH State U. all campuses	16,577	16,362	25,977	17,481	4,611	7,295	9,848	6,127
26	U. CA, Berkeley	21,205	21,731	18,931	16,896	12,805	14,682	12,749	11,880
27	SUNY Stony Brook all campuses	13,100	8,297	8,160	16,033	6,464	4,542	5,607	14,019
28	VA Polytechnic Institute and State U.	9,130	10,057	17,204	15,864	2,320	4,125	4,497	4,140
29	U. MI all campuses	20,744	23,213	18,490	15,729	10,490	12,823	10,932	9,236
30	U. Chicago	9,884	11,682	17,989	15,664	8,115	10,468	17,319	14,453
31	Northwestern U.	10,152	12,562	12,257	15,593	5,211	6,204	5,716	6,483
32	U. CO all campuses	10,035	12,014	13,463	15,537	9,063	10,765	11,601	14,668
33	U. MN all campuses	14,038	14,473	17,320	14,639	9,391	9,140	10,542	7,940
34	Baylor C. of Medicine	15,690	22,368	24,360	14,448	7,975	12,300	17,797	3,960
35	Harvard U.	11,304	11,470	15,589	13,771	10,823	10,658	14,731	12,920
36	U. TX Austin	12,845	11,840	9,788	13,626	7,925	7,476	6,603	7,481
37	GA Institute of Technology all campuses	21,201	16,516	16,399	13,511	10,320	3,716	4,707	5,962
38	U. AZ	21,735	12,212	14,145	13,291	11,956	6,861	8,766	6,510
39	U. CA, Santa Barbara	11,788	15,022	11,437	13,035	6,813	9,762	6,824	10,086
40	U. CA, San Francisco	20,916	20,232	18,290	12,969	8,856	10,775	10,282	6,815
41	Vanderbilt U.	7,934	13,401	12,365	12,859	4,813	6,350	9,423	8,856
42	U. MS all campuses	7,576 i	8,623	5,212	12,746	5,941 i	7,464	4,173	12,051
43	U. TX Southwestern Medical Ctr. Dallas	12,139	10,466	10,560	12,633	3,389	5,794	5,099	6,088
44	U. PA	11,856	12,680	11,873	11,990	9,367	9,268	8,397	7,197
45	U. HI Manoa	17,387	14,966	8,371	11,855	13,248	12,485	5,612	8,512

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
46	U. IA	8,720	8,269	11,324	11,302	5,354	5,251	6,600	6,406
47	U. GA	10,086	13,662	11,095	10,861	2,698	7,304	3,068	3,703
48	Yale U.	14,660	12,251	12,137	10,712	12,214	10,288	10,636	9,107
49	U. KY all campuses	9,191	12,683	11,776	10,670	3,178	5,430	3,742	4,098
50	U. Miami	15,864	13,175	11,790	10,666	11,709	10,465	8,929	8,193
51	U. CA, Irvine	14,249	13,442	12,857	9,879	5,292	7,800	7,955	7,128
52	U. UT	8,430	13,285	11,183	9,818	4,963	8,671	7,476	4,691
53	MS State U.	7,814	7,241	14,727	9,660	4,956	3,379	7,052	3,805
54	Duke U.	12,602	11,062	10,905	9,562	9,976	9,868	7,937	7,134
55	U. IL Chicago	9,374	9,110	9,697	9,552	2,354	4,939	6,455	6,008
56	MI State U.	10,531	12,892	10,486	9,287	4,282	4,785	4,880	4,426
57	U. NM all campuses	7,395	7,918	6,788	9,182	4,796	5,133	4,561	6,875
58	U. MD College Park	12,542	9,844	8,334	9,148	8,452	6,280	4,630	5,938
59	U. Louisville	5,519	4,534	5,464	8,911	2,948	2,701	3,001	6,227
60	U. OK all campuses	9,899	6,470	6,857	8,823	3,543	3,331	4,849	6,171
61	Yeshiva U.	7,771	8,765	10,916	8,683	6,217	7,013	9,650	7,704
62	U. CA, Riverside	5,073	6,514	3,161	8,568	2,639	4,006	2,268	7,152
63	U. DE	7,492	9,558	8,521	8,236	3,347	4,927	5,057	4,457
64	U. South FL	12,469	8,851	4,871	8,134	6,798	7,321	2,575	6,363
65	FL State U.	14,106	10,912	11,796	8,036	10,561	7,045	8,275	5,049
66	U. Central FL	5,303	5,786	16,650	7,875	2,895	3,486	10,332	3,577
67	Case Western Reserve U.	12,293	13,890	12,333	7,871	6,190	9,265	5,673	5,293
68	U. VA all campuses	9,389	7,861	7,715	7,843	6,979	6,821	6,752	6,622
69	AZ State U. main campus	5,834	7,457	6,173	7,660	3,834	4,181	3,475	4,159
70	U. NV, Reno	6,586	5,950	5,635	7,658	5,887	5,617	4,004	5,018
71	Carnegie Mellon U.	37,262	13,507	10,880	7,577	33,547	10,908	8,183	6,252
72	Rutgers, The State U. NJ all campuses	10,583	11,679	8,922	7,559	3,959	6,654	4,888	3,939
73	NC State U.	3,465	7,786	7,689	7,411	1,526	3,965	4,242	3,553
74	U. TX M. D. Anderson Cancer Ctr.	7,435	6,422	9,479	7,403	942	878	1,481	1,946
75	U. MO-Columbia	4,111	3,302	3,550	7,286	1,396	1,469	1,050	4,683
76	Scripps Research Institute, The	NA	NA	6,541 i	7,194	NA	NA	3,474 i	4,002
77	KS State U.	6,050	4,532	4,837	7,083	3,034	2,914	2,707	5,015
78	U. Southern CA	8,272	9,840	7,060	6,783	6,081	7,073	5,167	4,857
79	Princeton U.	6,968	7,908	5,461	6,736	5,371	6,269	4,825	6,108
80	SUNY Buffalo all campuses	7,780	11,150	9,742	6,647	5,895	5,315	5,391	4,937
81	U. AR main campus	6,632	4,918	4,799	6,589	3,376	1,939	2,579	3,598
82	U. Pittsburgh all campuses	7,533	10,167	10,435	6,531	6,286	7,892	8,733	5,092
83	San Diego State U.	4,501	2,152	2,710	6,525	569	890	1,150	1,226
84	Medical C. WI	2,741	2,079	7,428	6,515	1,976	1,733	5,432	4,144
85	U. NH	4,067	4,929	8,255	6,511	3,263	4,356	7,816	6,387
86	Boston U.	6,091	9,071	7,629	6,361	5,570	8,496	7,405	6,012
87	WA State U.	7,079	5,484	5,096	6,340	4,261	3,275	2,825	3,957
88	U. KS all campuses	5,429	10,431	6,823	6,214	3,903	8,893	6,131	5,484
89	NY U.	7,302	8,675	7,241	6,170	4,924	5,939	6,218	4,507
90	ND State U. all campuses	3,330	7,884	9,023	6,169	1,318	6,417	7,219	6,012
91	Wayne State U.	9,546	6,729	5,634	6,025	2,712	4,024	2,867	3,260
92	U. NC Chapel Hill	6,750	8,559	5,992	5,963	3,199	4,084	3,617	4,366
93	NM State U. all campuses	8,926	5,004	6,552	5,890	7,339	3,753	3,735	5,115
94	Emory U.	10,790	12,999	7,636	5,870	3,902	5,815	3,685	4,590
95	U. AK Fairbanks all campuses	5,258	7,138	8,378	5,866	3,093	3,896	5,877	4,707

TABLE 82. Total and federally financed current fund expenditures for research equipment at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
96	Clemson U.	6,652	6,008	5,813	5,760	2,267	3,887	2,518	2,369
97	U. MA Amherst	8,239	8,562	5,874	5,711	4,732	5,796	4,146	3,496
98	OR Health & Science U.	4,444 e	7,904	7,248	5,687	3,516 e	7,031	6,289	4,582
99	U. CT all campuses	7,522	5,261	6,657	5,637	4,027	3,967	5,374	4,159
100	U. TX Dallas	1,245	2,163	2,566	5,590	331	845	965	1,342
.	All other sampled institutions	425,159	442,443	457,613	434,706	251,697	284,762	295,087	280,364

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

i = data point imputed.

NA = not available; institution was not surveyed separately.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$36 million in total current fund expenditures for research equipment.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 83. R&D expenditures at university-administered federally funded research and development centers, by character of work: FY 1953–2005

(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 1953–2005

(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	7,821	3,797	48.5	4,024	51.5

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

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 2005.

TABLE 84. R&D expenditures at all federally funded research and development centers, by source of funds and type of FFRDC: FY 2005  
(Dollars in thousands)

Institution	All R&D expenditures	Federal government	State and local governments	Industry	Institutional funds	All other sources
All FFRDCs	13,249,816	12,892,042	32,339	129,053	60,433	135,949
University-administered FFRDCs	7,821,054	7,660,415	15,091	31,108	1,590	112,850
Ames Lab.	29,293	29,293	0	0	0	0
Argonne National Lab.	482,051	431,591	4,181	0	0	46,279
AUI National Radio Astronomy Observatory	52,023	51,166	0	0	97	760
Fermi National Accelerator Lab.	323,153	323,153	0	0	0	0
Jet Propulsion Lab.	1,606,409	1,606,409	0	0	0	0
Lawrence Berkeley National Lab.	482,672	425,090	7,444	9,667	0	40,471
Lawrence Livermore National Lab.	1,456,368	1,435,094	1,744	600	0	18,930
Los Alamos National Lab.	2,101,211	2,086,116	0	15,095	0	0
MA Institute of Technology Lincoln Lab.	627,201	622,794	820	2,976	0	611
National Astronomy and Ionosphere Ctr.	13,831	12,257	0	9	1,493	72
National Ctr. for Atmospheric Research	135,893	130,662	0	0	0	5,231
National Optical Astronomy Observatory	47,845	47,845	0	0	0	0
Plasma Physics Lab.	81,803	81,205	0	102	0	496
Software Engineering Institute	62,262	59,453	150	2,659	0	0
Stanford Linear Accelerator Ctr.	205,690	205,690	0	0	0	0
Thomas Jefferson National Accelerator Facility	113,349	112,597	752	0	0	0
Nonprofit-administered FFRDCs	2,816,988	2,687,276	8,762	41,573	56,278	23,099
Aerospace Corp.	32,500	14,500	0	4,500	13,500	0
Arroyo Ctr. Headquarters	28,152	28,152	0	0	0	0
Brookhaven National Lab.	483,039	464,439	0	6,607	0	11,993
C3I Federally Funded R&D Ctr.	37,213	13,900	0	0	23,313	0
Ctr. for Advanced Aviation System Development	6,429	3,378	0	0	3,051	0
Ctr. for Naval Analyses	83,837	73,099	6,321	0	4,417	0
Ctr. for Nuclear Waste Regulatory Analyses	16,615	15,732	91	429	363	0
Homeland Security Institute	NA	NA	NA	NA	NA	NA
Institute for Defense Analyses Communication and Computing	50,800	50,800	0	0	0	0
Institute for Defense Analyses Studies and Analyses	118,600	118,600	0	0	0	0
Internal Revenue Service FFRDC	4,802	4,802	0	0	0	0
National Defense Research Institute	25,747	25,747	0	0	0	0
National Renewable Energy Research Lab.	211,323	206,419	0	4,851	21	32
Oak Ridge National Lab.	897,252	870,103	798	10,522	11,613	4,216
Pacific Northwest National Lab.	779,522	756,448	1,552	14,664	0	6,858
Project Air Force	35,742	35,742	0	0	0	0
Science and Technology Policy Institute, The	5,415	5,415	0	0	0	0
Industry-administered FFRDCs	2,611,774	2,544,351	8,486	56,372	2,565	0
ID National Lab.	232,289	216,972	1,265	11,487	2,565	0
NCI Frederick Cancer R&D Ctr.	334,400	334,400	0	0	0	0
Sandia National Lab.	1,946,435	1,894,329	7,221	44,885	0	0
Savannah River Technology Ctr.	98,650	98,650	0	0	0	0

FFRDC = federally funded research and development center.

NA = not available; R&D totals not available for Homeland Security Institute in FY 2005.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 85. Total and federally financed R&D expenditures at university-administered federally funded research and development centers, ranked by FY 2005 total: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	7,069,245	7,200,056	7,603,240	7,821,054	6,810,095	6,948,179	7,448,412	7,660,415
1	Los Alamos National Lab.	1,994,031	2,106,145	1,986,235	2,101,211	1,884,284	1,990,573	1,973,000	2,086,116
2	Jet Propulsion Lab.	1,435,039	1,390,560	1,551,171	1,606,409	1,435,039	1,390,560	1,551,171	1,606,409
3	Lawrence Livermore National Lab.	1,227,111	1,286,215	1,425,840	1,456,368	1,192,111	1,258,505	1,405,250	1,435,094
4	MA Institute of Technology Lincoln Lab.	451,200	522,851	594,822	627,201	443,883	516,112	589,022	622,794
5	Lawrence Berkeley National Lab.	467,461	441,500	482,159	482,672	407,166	381,264	421,712	425,090
6	Argonne National Lab.	506,666	500,828	520,881	482,051	469,426	466,340	473,824	431,591
7	Fermi National Accelerator Lab.	313,556	303,340	318,435	323,153	313,556	303,041	318,395	323,153
8	Stanford Linear Accelerator Ctr.	171,343	164,747	206,402	205,690	171,343	164,747	206,402	205,690
9	National Ctr. for Atmospheric Research	157,173	140,756	154,714	135,893	153,202	137,993	151,326	130,662
10	Thomas Jefferson National Accelerator Facility	106,305	106,966	104,659	113,349	105,554	106,319	104,017	112,597
11	Plasma Physics Lab.	73,610	66,764	75,255	81,803	72,976	66,345	74,637	81,205
12	Software Engineering Institute	45,088	45,412	57,920	62,262	42,267	43,470	56,387	59,453
13	AUI National Radio Astronomy Observatory	43,900	42,842	42,215	52,023	43,684	42,644	41,874	51,166
14	National Optical Astronomy Observatory	41,051	44,409	43,020	47,845	41,051	44,409	43,020	47,845
15	Ames Lab.	23,416	25,213	27,227	29,293	23,416	25,213	27,227	29,293
16	National Astronomy and Ionosphere Ctr.	12,295	11,508	12,285	13,831	11,137	10,644	11,148	12,257

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE 86. Total and federally financed R&D expenditures at nonprofit-administered federally funded research and development centers, ranked by FY 2005 total: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	2,270,667	2,463,386	2,586,394	2,816,988	2,144,113	2,327,555	2,447,507	2,687,276
1	Oak Ridge National Lab.	620,328	690,538	776,203	897,252	595,459	664,210	750,209	870,103
2	Pacific Northwest National Lab.	608,500	679,000	693,000	779,522	551,500	615,000	629,300	756,448
3	Brookhaven National Lab.	454,482	452,728	450,342	483,039	436,596	436,969	432,180	464,439
4	National Renewable Energy Research Lab.	197,438	221,496	226,460	211,323	195,719	219,015	222,977	206,419
5	Institute for Defense Analyses Studies and Analyses	98,236	110,200	126,226	118,600	98,236	110,200	126,226	118,600
6	Ctr. for Naval Analyses	72,712	75,869	79,087	83,837	68,318	71,895	74,438	73,099
7	Institute for Defense Analyses Communication and Computing	45,296	45,960	50,238	50,800	45,296	45,960	50,238	50,800
8	C3I Federally Funded R&D Ctr.	31,163	32,696	35,932	37,213	31,163	32,696	35,932	13,900
9	Project Air Force	32,439	33,555	33,049	35,742	32,439	33,555	33,049	35,742
10	Aerospace Corp.	26,306	32,745	32,529	32,500	10,016	13,619	14,312	14,500
11	Arroyo Ctr. Headquarters	24,484	27,889	26,101	28,152	24,484	27,889	26,101	28,152
12	National Defense Research Institute	25,317	26,908	26,550	25,747	25,317	26,908	26,550	25,747
13	Ctr. for Nuclear Waste Regulatory Analyses	16,398	17,625	16,847	16,615	15,362	16,915	15,447	15,732
14	Ctr. for Advanced Aviation System Development	6,256	6,633	6,462	6,429	2,896	3,180	3,180	3,378
15	Science and Technology Policy Institute, The	8,878	6,710	3,681	5,415	8,878	6,710	3,681	5,415
16	Internal Revenue Service FFRDC	2,434	2,834	3,687	4,802	2,434	2,834	3,687	4,802
17	Homeland Security Institute	na	na	na	NA	na	na	na	NA

NA = not available; R&D totals not available for Homeland Security Institute in FY 2005.

na = not applicable; institution did not exist.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE 87. Total and federally financed R&D expenditures at industry-administered federally funded research and development centers, ranked by FY 2005 total: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	2,196,512	2,463,438	2,443,203	2,611,774	2,140,902	2,405,584	2,383,142	2,544,351
1	Sandia National Lab.	1,583,348	1,742,861	1,833,571	1,946,435	1,535,682	1,696,798	1,786,233	1,894,329
2	NCI Frederick Cancer R&D Ctr.	260,000	296,000	335,000	334,400	260,000	296,000	335,000	334,400
3	ID National Lab.	259,562	330,154	180,306	232,289	251,618	318,363	167,583	216,972
4	Savannah River Technology Ctr.	93,602	94,423	94,326	98,650	93,602	94,423	94,326	98,650

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

## **Appendix A. Technical Notes**

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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 noted otherwise, expenditures analyzed in this report refer to S&E R&D activities only.

### **Scope of the Survey**

The FY 2005 Academic R&D Expenditures Survey was sent to 649 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 R&D in S&E in FY 2005.

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 649 institutions surveyed, 9 reported total R&D expenditures of less than \$150,000. These 9 institutions were excluded from the population and their data are not included in the FY 2005 detailed statistical tables. The total and federally financed R&D expenditures for these 9 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 these 37 FFRDCs, 16 are administered by academic institutions, 17 are administered by nonprofit organizations, and 4 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 survey form (NSF Form 411) is used to collect data from both academic institutions and FFRDCs, FFRDCs were asked to provide only item 1 data (R&D expenditures by source of funding). FFRDC R&D data are reported in tables 83–87.

### **FY 2005 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. Beginning in FY 2004, the inclusion criteria changed to include 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. In addition, NSF contacted institutions that met the degree-granting criterion but were not in the population of the previous census to determine whether they met the \$150,000 expenditure criterion. Institutions with a minimum of \$150,000 were added to or retained in the survey population. As a result, the overall number of academic institutions in the population increased from 613 in FY 2004 to 640 in FY 2005 (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:

**Item 1** is a request that institutions report their 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 fields. 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 fields. 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.

### **Response Rate**

The FY 2005 survey questionnaires were sent by e-mail in November 2005. Respondents could choose to submit an Adobe Portable Document Format questionnaire downloaded from the Web or use the Web-based data collection system to respond to the survey. Every effort was made to maintain close contact with respondents in order to preserve both consistency and continuity in 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.

By the survey's closing date at the beginning of August 2006, forms had been received from 597 universities and colleges out of the academic population of 640, a response rate of 93.3%. Responses were received from 97.2% of all doctorate-granting institutions, to which 98.5% of the estimated national R&D expenditures in S&E fields had been disbursed. Forms were received from 36 of the 37 FFRDCs, a response rate of 97.3%. The recently established Homeland Security Institute did not respond to the FY 2005 survey questionnaire. 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.

### **National Total and Imputation**

Two statistical procedures were used to provide a national estimate for all universities and colleges performing R&D in FY 2005. First, data were estimated by imputation for the 43 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 2005 total R&D expenditures reported within the various categories. The imputed total R&D was \$109 million, or 0.2%, of the \$46 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 prior-years' data was 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 1996 and FY 2005 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 (1997–2004). 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 (SRS) 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 (such as 0% basic research) were sometimes carried forward for several years, a revised imputation methodology was introduced beginning 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 92.8% of the respondents from academic institutions (table A-9). The total R&D expenditures passed through to subrecipients, \$3.1 billion, represents 7.5% of item 1A respondents' total R&D expenditures (\$41 billion) and 6.7% of all separately budgeted R&D (\$46 billion) in FY 2005 (see table 43). Doctorate-granting institutions reported a higher percentage of pass-through funds in item 1A than did nondoctorate granting institutions, 7.5% (\$3.0 billion) compared with 6.7% (\$38 million) for nondoctorate-granting institutions. Item 1A respondents from private institutions reported a higher percentage of pass-through funds than did those from public institutions, 8.9% (\$1.3 billion) compared with 6.7% (\$1.7 billion) for public

institutions.

Academic respondents to item 1A reported \$2.6 billion in federally financed R&D expenditures passed through to subrecipients (see table 43). This amount represents 10.1% of the federal support reported by item 1A respondents (\$26 billion) and 9.1% of the \$29 billion in federal support to all respondents.

Tables 45 and 46 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 93.3% of the respondents from academic institutions (table A-10). The total R&D expenditures received as subrecipients, \$3.3 billion, represents 8.1% of item 1B respondents' total R&D expenditures (\$41 billion) and 7.2% of all separately budgeted R&D (\$46 billion) in FY 2005 (see table 44). Doctorate-granting institutions reported a lower percentage of funds received as subrecipients in item 1B, 8.0% (\$3.2 billion), than did nondoctorate-granting institutions, 10.7% (\$63 million). Item 1B respondents from private institutions reported a slightly higher percentage of funds received as subrecipients than did those from public institutions, 8.6% (\$1.3 billion) compared with 7.8% (\$2.0 billion) for public institutions.

Academic respondents to item 1B reported \$2.9 billion in federally financed R&D expenditures received as subrecipients (see table 44). This amount represents 11.1% of the federal support reported by item 1B respondents (\$26 billion) and 10.0% of the \$29 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 94.1% of the respondents from academic institutions (table A-11). The total for non-S&E R&D expenditures, \$1.7 billion, represents 4.2% of item 2A respondents' total S&E and non-S&E R&D expenditures (\$42 billion) in FY 2005 (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, 28.4% (\$242 million) compared with 3.7% (\$1.5 billion) for doctorate-granting institutions. Item 2A respondents from public institutions reported a higher percentage of non-S&E R&D expenditures than did those from private institutions, 4.7% (\$1.3 billion) compared with 3.2% (\$463 million) for private institutions.

Academic respondents to item 2A reported \$764 million in federal non-S&E R&D. This amount represents 2.9% of the federal S&E and non-S&E support reported by item 2A respondents (\$27 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 96.1% of the respondents from academic institutions. Total federally financed R&D expenditures reported by item 2B respondents, \$29 billion, represents 99.6% of all reported federally financed R&D expenditures (\$29 billion) in FY 2005 (table A-12).

Doctorate-granting institutions reported a higher percentage of R&D from federal sources in item 2B than did nondoctorate-granting institutions, 99.7% (\$29 billion) compared with 95.5% (\$377 million) for nondoctorate-granting institutions. Item 2B respondents from public institutions reported the same percentage of R&D from federal sources, 99.6% (\$18 billion), as did those from private institutions, 99.6% (\$11 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, 54.7%, or \$15.9 billion (see table 70). The National Science Foundation accounted for 12.2% (\$3.5 billion) of item 2B respondents' R&D from federal sources; the Department of Defense, 9.0% (\$2.6 billion); the National Aeronautics and Space Administration, 3.9% (\$1.1 billion); the Department of Energy, 3.6% (\$1.1 billion); and the U.S. Department of Agriculture, 2.8% (\$814 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 FY 1997–2000 the UCOP amounts were reported as part of UC Berkeley, the campus that maintained accounting ledgers. In 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 27 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, CA, was added to the FY 2005 survey population after being mistakenly omitted for several years. Prior to the current 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 \$338 million in total R&D expenditures for FY 2005 and \$307 million for 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 for universities and colleges in New Orleans, LA. Data were imputed for institutions that were unable to commit the resources necessary to complete the FY 2005 survey.

### **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 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.

### **Technical Tables**

- A-1 Total and federally financed R&D expenditures at surveyed institutions reporting less than \$150,000 in separately budgeted R&D expenditures: FY 2002–05
- A-2 Institutions surveyed for the academic R&D expenditures survey, by respondent type and highest degree granted: FY 2000–05
- A-3 Response rates for the academic R&D expenditures survey, by respondent type and highest degree granted: FY 2005
- A-4 Response rates for the academic R&D expenditures survey, by survey item: FY 2005
- A-5 Imputed amounts for total R&D expenditures at universities and colleges, by highest degree granted: FY 2005
- A-6 Imputed amounts for total R&D expenditures at universities and colleges, by science and engineering field: FY 2005
- A-7 Imputed amounts for federally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2005
- A-8 Imputed amounts for R&D expenditures at universities and colleges, by source of funds: FY 2005
- A-9 Response summary for item 1A, R&D expenditures passed through to subrecipients, by highest degree granted and institutional control: FY 2005
- A-10 Response summary for item 1B, R&D expenditures received as a subrecipient, by highest degree granted and institutional control: FY 2005
- A-11 Response summary for item 2A, non-S&E R&D expenditures, by highest degree granted and institutional control: FY 2005
- A-12 Response summary for item 2B, federally financed R&D expenditures by federal agency, by highest degree granted and institutional control: FY 2005

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 2002–05

(Dollars in thousands)

Institution	Total				Federally financed			
	2002	2003	2004	2005	2002	2003	2004	2005
All institutions	2,167	2,636	2,887	883	1,698	1,898	2,101	424
Bethune-Cookman C.	794	741	723	81	794	741	723	81
Hartwick C.	205 i	221	609	125	140 i	151	581	65
Iona C.	177	232	223	116	167	222	213	116
Jarvis Christian C.	30	335	247	37	10	100	232	24
La Salle U.	20	104	260	134	0	45	57	30
Radford U.	562	294	195	107	357	136	90	21
SUNY Purchase C.	284	282	330	123	151	282	100	64
TX Wesleyan U.	ne	ne	ne	40	ne	ne	ne	0
Wilkes U.	95	427	300	120	79	221	105	23

i = data point 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 2005.

TABLE A-2. Institutions surveyed for the academic R&D expenditures survey, by respondent type and highest degree granted:  
FY 2000–05

Respondent type and highest degree granted	2000	2001	2002	2003	2004	2005
All respondents	639	644	661	666	649	677
Universities and colleges	623	608	625	630	613	640
Doctorate	362	358	361	369	353	359
Master's	162	158	161	159	160	168
Bachelor's	99	92	103	102	100	113
All FFRDCs	16	36	36	36	36	37
University-administered FFRDCs	16	16	16	16	16	16
Industry-administered FFRDCs	0	4	4	4	4	4
Nonprofit-administered FFRDCs	0	16	16	16	16	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 2005.

TABLE A-3. Response rates for the academic R&D expenditures survey, by respondent type and highest degree granted: FY 2005

Respondent type and highest degree granted	Number in survey universe	Number of complete responses	Number of partial responses	Total number of responses	Response rate (%)
All respondents	677	556	77	633	93.5
Universities and colleges	640	520	77	597	93.3
Doctorate	359	309	40	349	97.2
Master's	168	129	27	156	92.9
Bachelor's	113	82	10	92	81.4
All FFRDCs	37	36	0	36	97.3
University-administered FFRDCs	16	16	0	16	100.0
Industry-administered FFRDCs	4	4	0	4	100.0
Nonprofit-administered FFRDCs	17	16	0	16	94.1

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 2005.

TABLE A-4. Response rates for the academic R&D expenditures survey, by survey item: FY 2005

Survey item	Number in survey universe	Number of complete responses	Number of partial responses	Total number of responses	Number of nonresponses	Response rate (%)
Item 1	640	530	67	597	43	93.3
Item 1A	640	530	24	554	86	86.6
Item 1B	640	540	17	557	83	87.0
Item 2	640	578	19	597	43	93.3
Item 2A	640	559	3	562	78	87.8
Item 2B	640	568	6	574	66	89.7
Item 3	640	568	5	573	67	89.5

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE A-5. Imputed amounts for total R&D expenditures at universities and colleges, by highest degree granted: FY 2005

(Dollars in millions)

Highest degree granted	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All universities and colleges	45,750	109	0.2
Doctorate-granting institutions	45,076	63	0.1
Nondoctorate-granting institutions	675	47	7.0

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 2005.

TABLE A-6. Imputed amounts for total R&D expenditures at universities and colleges, by science and engineering field: FY 2005

(Dollars in millions)

Science and engineering field	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All science and engineering	45,750	109	0.2
Computer sciences	1,406	3	0.2
Environmental sciences	2,546	19	0.7
Atmospheric sciences	457	15	3.3
Earth sciences	916	46	5.0
Oceanography	812	40	4.9
Environmental sciences, nec	362	57	15.7
Life sciences	27,603	48	0.2
Agricultural sciences	2,657	12	0.5
Biological sciences	8,846	27	0.3
Medical sciences	14,874	9	0.1
Life sciences, nec	1,226	3	0.2
Mathematical sciences	495	2	0.4
Physical sciences	3,704	24	0.6
Astronomy	454	1	0.2
Chemistry	1,364	13	1.0
Physics	1,607	9	0.6
Physical sciences, nec	280	1	0.4
Psychology	826	4	0.5
Social sciences	1,675	8	0.5
Economics	324	1	0.3
Political sciences	315	0	0.0
Sociology	371	7	1.9
Social sciences, nec	665	5	0.8
Sciences, nec	767	16	2.1
Engineering	6,728	43	0.6
Aeronautical/astronautical engineering	441	45	10.2
Bioengineering/biomedical engineering	420	21	5.0
Chemical engineering	503	24	4.8
Civil engineering	788	18	2.3
Electrical engineering	1,579	136	8.6
Mechanical engineering	935	94	10.1
Metallurgical/materials engineering	611	2	0.3
Engineering, nec	1,451	155	10.7

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at the 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.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE A-7. Imputed amounts for federally financed R&D expenditures at universities and colleges, by science and engineering field: FY 2005

(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	29,167	65	0.2
Computer sciences	1,023	2	0.2
Environmental sciences	1,725	8	0.5
Atmospheric sciences	359	14	3.9
Earth sciences	614	35	5.7
Oceanography	546	35	6.4
Environmental sciences, nec	207	45	21.7
Life sciences	17,691	35	0.2
Agricultural sciences	845	8	0.9
Biological sciences	6,194	19	0.3
Medical sciences	9,898	7	0.1
Life sciences, nec	753	2	0.3
Mathematical sciences	346	1	0.3
Physical sciences	2,674	15	0.6
Astronomy	311	1	0.3
Chemistry	948	8	0.8
Physics	1,233	7	0.6
Physical sciences, nec	182	0	0.0
Psychology	611	3	0.5
Social sciences	691	3	0.4
Economics	109	1	0.9
Political sciences	106	0	0.0
Sociology	194	4	2.1
Social sciences, nec	282	2	0.7
Sciences, nec	290	9	3.1
Engineering	4,116	19	0.5
Aeronautical/astronautical engineering	330	42	12.7
Bioengineering/biomedical engineering	255	17	6.7
Chemical engineering	292	17	5.8
Civil engineering	338	13	3.8
Electrical engineering	1,045	134	12.8
Mechanical engineering	626	90	14.4
Metallurgical/materials engineering	369	1	0.3
Engineering, nec	859	146	17.0

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.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.



TABLE A-8. Imputed amounts for R&D expenditures at universities and colleges, by source of funds: FY 2005  
(Dollars in millions)

Source of funds	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All sources	45,750	109	0.2
Federal government	29,167	65	0.2
State and local government	2,940	9	0.3
Industry	2,292	14	0.6
Institutional funds	8,258	15	0.2
All other sources	3,093	6	0.2

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.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE A-9. Response summary for item 1A, R&D expenditures passed through to subrecipients, by highest degree granted and institutional control: FY 2005  
(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	597	554	92.8	45,641,980	40,553,073	88.9	29,102,747	26,236,917	90.2
Doctorate	349	324	92.8	45,012,973	39,987,355	88.8	28,707,532	25,876,582	90.1
Nondoctorate	248	230	92.7	629,007	565,718	89.9	395,215	360,335	91.2
Public	375	338	90.1	30,740,276	25,702,609	83.6	17,839,687	15,002,856	84.1
Private	222	216	97.3	14,901,704	14,850,464	99.7	11,263,060	11,234,061	99.7

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE A-10. Response summary for item 1B, R&D expenditures received as a subrecipient, by highest degree granted and institutional control: FY 2005  
(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	597	557	93.3	45,641,980	40,731,618	89.2	29,102,747	26,347,560	90.5
Doctorate	349	324	92.8	45,012,973	40,139,241	89.2	28,707,532	25,973,971	90.5
Nondoctorate	248	233	94.0	629,007	592,377	94.2	395,215	373,589	94.5
Public	375	341	90.9	30,740,276	25,851,250	84.1	17,839,687	15,096,925	84.6
Private	222	216	97.3	14,901,704	14,880,368	99.9	11,263,060	11,250,635	99.9

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

TABLE A-11. Response summary for item 2A, non-S&E R&D expenditures, by highest degree granted and institutional control: FY 2005  
(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	597	562	94.1	45,641,980	40,050,322	87.7	29,102,747	25,778,018	88.6
Doctorate	349	325	93.1	45,012,973	39,440,151	87.6	28,707,532	25,395,000	88.5
Nondoctorate	248	237	95.6	629,007	610,171	97.0	395,215	383,018	96.9
Public	375	349	93.1	30,740,276	25,960,902	84.5	17,839,687	15,177,412	85.1
Private	222	213	95.9	14,901,704	14,089,420	94.5	11,263,060	10,600,606	94.1

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 2005.

TABLE A-12. Response summary for item 2B, federally financed R&D expenditures by federal agency, by highest degree granted and institutional control: FY 2005

(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	597	574	96.1	45,641,980	45,457,311	99.6	29,102,747	28,992,301	99.6
Doctorate	349	338	96.8	45,012,973	44,859,767	99.7	28,707,532	28,614,992	99.7
Nondoctorate	248	236	95.2	629,007	597,544	95.0	395,215	377,309	95.5
Public	375	359	95.7	30,740,276	30,637,148	99.7	17,839,687	17,773,071	99.6
Private	222	215	96.8	14,901,704	14,820,163	99.5	11,263,060	11,219,230	99.6

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.

## **Appendix B: Federally Funded Research and Development Centers: FY 2005**

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### **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 and Argonne Universities Association)
- Ernest Orlando Lawrence Berkeley National Laboratory  
(University of California)
- Fermi National Accelerator Laboratory  
(Universities Research Association, Inc.)
- Lawrence Livermore National Laboratory  
(University of California)
- Los Alamos National Laboratory  
(University of California)

- Princeton Plasma Physics Laboratory  
(Princeton University)
- Stanford Linear Accelerator Center  
(Stanford University)
- Thomas Jefferson National Accelerator Facility  
(Southeastern Universities Research Association)

Administered by industrial firms

- Idaho National Laboratory  
(Bechtel BWXT Idaho, LLC)
- Sandia National Laboratories  
(Sandia Corporation, a subsidiary of Lockheed Martin Corporation)
- Savannah River Technology Center  
(Westinghouse Savannah River Company)

Administered by other nonprofit organizations

- Brookhaven National Laboratory  
(Brookhaven Science Associates)
- National Renewable Energy Laboratory  
(Midwest Research Institute)
- 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

- The Science and Technology Policy Institute  
(RAND Corporation)

## **Nuclear Regulatory Commission**

Administered by other nonprofit institutions

- Center for Nuclear Waste Regulatory Analyses  
(Southwest Research Institute)

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FFRDC = federally financed research and development center.



## **Appendix C: Survey Instruments**

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- Survey of Research and Development Expenditures at Universities and Colleges, FY 2005
- Survey of Research and Development Expenditures at FFRDCs, FY 2005



NATIONAL SCIENCE FOUNDATION  
ARLINGTON, VA 22230

## SURVEY OF RESEARCH AND DEVELOPMENT EXPENDITURES AT UNIVERSITIES AND COLLEGES, FY 2005

Please submit your survey data by January 31, 2006.

The Web address for submitting your data:

<http://www.qrc.com/expweb>

Or, mail this form to:

ORC Macro  
7315 Wisconsin Avenue, Suite 400W  
Bethesda, MD 20814-3202

Or, e-mail your response to:

[expweb@qrc.com](mailto: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 ORC Macro, 1-866-349-8626.

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 2005 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](mailto: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 2005?**

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		<b>Basic research</b> is directed toward an increase of knowledge; it is research where the primary aim of the <b>investigator</b> 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 2005 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
<b>a. Engineering (Total)</b>	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>b. Physical Sciences (Total)</b>	1420		
(1) Astronomy	1421		
(2) Chemistry	1422		
(3) Physics	1423		
(4) Other	1424		
<b>c. Environmental Sciences (Total)</b>	1430		
(1) Atmospheric	1431		
(2) Earth sciences	1432		
(3) Oceanography	1433		
(4) Other	1434		
<b>d. Mathematical Sciences (Total)</b>	1441		
<b>e. Computer Sciences (Total)</b>	1442		
<b>f. Life Sciences (Total)</b>	1450		
(1) Agricultural	1451		
(2) Biological	1452		
(3) Medical	1453		
(4) Other	1454		
<b>g. Psychology (Total)</b>	1460		
<b>h. Social Sciences (Total)</b>	1470		
(1) Economics	1471		
(2) Political science	1472		
(3) Sociology	1473		
(4) Other	1474		
<b>i. Other Sciences, not elsewhere classified (Total)</b>	1480		
<b>j. Total (sum of a through i)</b>	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 2005 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
<b>a. Engineering (Total)</b>	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>b. Physical Sciences (Total)</b>	1820		
(1) Astronomy	1821		
(2) Chemistry	1822		
(3) Physics	1823		
(4) Other	1824		
<b>c. Environmental Sciences (Total)</b>	1830		
(1) Atmospheric	1831		
(2) Earth sciences	1832		
(3) Oceanography	1833		
(4) Other	1834		
<b>d. Mathematical Sciences (Total)</b>	1841		
<b>e. Computer Sciences (Total)</b>	1842		
<b>f. Life Sciences (Total)</b>	1850		
(1) Agricultural	1851		
(2) Biological	1852		
(3) Medical	1853		
(4) Other	1854		
<b>g. Psychology (Total)</b>	1860		
<b>h. Social Sciences (Total)</b>	1870		
(1) Economics	1871		
(2) Political science	1872		
(3) Sociology	1873		
(4) Other	1874		
<b>i. Other Sciences, not elsewhere classified (Total)</b>	1880		
<b>j. Total (sum of a through i)</b>	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 2005?**

**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
<b>Education</b>	13.xx	Education
<b>Law</b>	22.xx	Legal Professions and Studies
<b>Humanities</b>	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)
<b>Visual &amp; Performing Arts</b>	50.xx	Visual and Performing Arts
<b>Business and Management</b>	52.xx	Business, Management, Marketing, and Related Support Services
<b>Communications, Journalism, and Library Science</b>	09.xx	Communication, Journalism and Related Programs
	25.xx	Library Science
	10.xx	Communications Technologies/Technicians and Support Services
<b>Social Work</b>	44.07	Social Work
<b>Other Non-S&amp;E Fields</b>	31.xx	Parks, Recreation, Leisure and Fitness Studies
	29.xx	Military Technologies

**Item 2B. What were the Federal Government agency sources for your FY 2005 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						(7) NSF	(8) Other
			(2) USDA	(3) DoD	(4) DOE	(5) HHS*	(6) NASA			
<b>a. Engineering (Total)</b>	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>b. Physical Sciences (Total)</b>	1420									
(1) Astronomy	1421									
(2) Chemistry	1422									
(3) Physics	1423									
(4) Other	1424									
<b>c. Environmental Sciences (Total)</b>	1430									
(1) Atmospheric	1431									
(2) Earth sciences	1432									
(3) Oceanography	1433									
(4) Other	1434									
<b>d. Mathematical Sciences (Total)</b>	1441									
<b>e. Computer Sciences (Total)</b>	1442									
<b>f. Life Sciences (Total)</b>	1450									
(1) Agricultural	1451									
(2) Biological	1452									
(3) Medical	1453									
(4) Other	1454									
<b>g. Psychology (Total)</b>	1460									
<b>h. Social Sciences (Total)</b>	1470									
(1) Economics	1471									
(2) Political science	1472									
(3) Sociology	1473									
(4) Other	1474									
<b>i. Other Sciences (Total)</b>	1480									
<b>j. Total (sum of a through i)</b>	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.

<b>QUESTIONNAIRE FIELD</b>	<b>NCES CLASSIFICATION AND ADDITIONAL ILLUSTRATIVE DISCIPLINES</b>			
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) <sup>1</sup> 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)					

<sup>1</sup> 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.*



NATIONAL SCIENCE FOUNDATION  
ARLINGTON, VA 22230

## SURVEY OF RESEARCH AND DEVELOPMENT EXPENDITURES AT FFRDCS FY 2005

**Please submit your survey data by January 31, 2006.**

The Web address for submitting your data:

<http://www.qrc.com/expweb>

Or, mail this form to:

ORC Macro  
7315 Wisconsin Avenue, Suite 400W  
Bethesda, MD 20814-3202

Or, e-mail your response to:

[expweb@qrc.com](mailto:expweb@qrc.com)

The Web password and user ID were e-mailed to each institution. If you have any questions about this or any other issue, please call: Survey Support at ORC Macro, 1-866-349-8626. For general survey questions, you may also contact John Jankowski of NSF at [jjankows@nsf.gov](mailto:jjankows@nsf.gov) or (703) 292-7781.

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 2005 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 4 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](mailto:splimpto@nsf.gov).

### Scope:

This survey contains one question which requests data on *current fund expenditures* by source of funds 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.

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

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 is a subrecipient. *Exclude* training grants, public service grants, demonstration projects, clinical trials, and research expenditures that are not separately budgeted. 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.
- 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 awards from industry, foundations, or other outside sources, and other institutional funds. In addition, 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.
- 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.”

**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 2005?**

Source of Funds	Line No.	(1) Total (Dollars in thousands)	(2) What Percentage of Federal & Total Funds Are Basic Research?	
a. Federal Government	1110	\$	_____ %	<p><b>BASIC RESEARCH</b> Please provide the percentages of Federal and total expenditures that are basic research (not applied research) as defined in column (2).</p> <p><b>CONFIDENTIALITY</b> 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.</p>
b. State and local governments	1125		<p><b>Basic research</b> is directed toward an increase of knowledge; it is research where the primary aim of the <b>investigator</b> is a fuller knowledge or understanding of the subject under study rather than a specific application thereof.</p>	
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	\$	_____ %	

## Suggested Citation, Acknowledgments

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Ronda Britt, project officer. Arlington, VA.

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