

Appendix table 5-67

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**U.S. patenting activity of U.S. universities and colleges: 1983–93**

Variable	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Institutions awarded patents.....	85	104	115	123	129	127	153	149	160	156	163
Public.....	53	57	65	73	71	68	86	86	93	89	97
Private.....	30	47	46	48	53	53	59	58	57	57	59
Other.....	2	0	4	2	5	6	8	5	10	10	7
Patents awarded to all institutions.....	434	551	589	670	820	814	1,225	1,182	1,344	1,542	1,622
Public.....	227	259	308	353	398	406	651	672	800	907	931
Private.....	182	267	257	299	396	387	546	484	510	599	645
Top 100 R&D institutions											
Combined top 25 R&D institutions.....	228	278	294	336	430	446	668	652	750	796	865
Percent.....	53	50	50	50	52	55	55	55	56	52	53
Combined top 100 R&D institutions.....	334	404	448	513	666	666	1,003	983	1,112	1,290	1,351
Percent.....	77	73	76	77	81	82	82	83	83	84	83
Top 100 R&D institutions, 1994–2003											
Public universities											
University of California.....	48	46	42	54	67	60	81	65	84	81	115
University of Texas.....	5	8	20	25	21	21	51	56	84	73	86
University of Wisconsin.....	13	16	17	17	11	20	27	16	45	43	57
University of Michigan.....	2	1	1	10	6	14	23	27	21	21	19
University of Florida.....	6	10	7	10	13	21	33	33	38	42	34
State University of New York.....	2	11	5	11	18	10	25	20	27	34	30
Michigan State University.....	3	3	3	10	6	8	2	7	11	19	13
University of Minnesota.....	5	6	11	16	28	26	40	38	32	31	27
University of Washington.....	2	3	1	2	1	6	5	7	11	12	11
Iowa State University.....	10	14	21	9	15	15	28	30	39	23	29
Pennsylvania State University.....	0	0	0	0	1	1	1	3	6	7	10
North Carolina State University.....	0	2	3	4	6	5	10	14	11	24	27
University of Utah.....	15	9	11	7	12	9	13	14	5	13	20
University of North Carolina.....	1	0	0	3	2	2	6	8	3	11	14
Georgia Institute of Technology.....	3	6	11	9	9	7	8	18	11	16	16
University of Maryland.....	1	0	0	3	2	2	1	4	4	14	21
University of Pittsburg.....	5	8	3	8	10	6	11	11	16	10	10
University of Alabama.....	1	1	5	3	5	3	3	6	3	7	6
Rutgers University.....	0	1	1	0	2	2	7	2	15	12	15
University of Illinois.....	8	8	10	12	4	9	15	7	8	10	13
University of Nebraska.....	0	5	1	1	1	4	0	3	4	4	10
University of Iowa.....	3	4	1	8	8	6	8	12	6	7	11
Ohio State University.....	9	3	12	5	13	14	13	10	15	21	10
Louisiana State University.....	1	1	1	1	3	4	9	4	5	20	16
Texas A&M University.....	2	3	8	3	6	9	8	9	12	14	22
University of Massachusetts.....	0	1	1	0	2	1	3	3	6	5	4
University of Kentucky.....	6	7	5	7	4	7	6	4	7	7	4
Purdue University.....	11	14	18	9	4	2	11	15	11	5	6
University of Tennessee.....	0	1	5	8	8	8	12	14	10	12	4
University of Virginia.....	4	2	1	4	3	4	8	12	11	9	7
University of South Florida.....	0	0	0	1	0	0	2	2	7	5	7
Virginia Polytechnic Institute.....	0	0	0	0	0	2	7	4	11	18	12
University of Georgia.....	7	7	5	6	4	0	3	5	8	10	18
University of New Mexico.....	0	0	2	3	1	3	9	9	10	11	5
Oregon Health Sciences University.....	0	0	0	0	3	0	3	4	6	5	5
City University of New York.....	3	2	1	2	1	3	2	2	5	3	3
University of Oklahoma.....	1	1	3	2	2	6	2	4	4	7	13
University of Colorado.....	0	0	0	0	1	0	4	9	6	19	7
University of Missouri.....	5	4	0	3	8	9	5	6	7	9	8
Florida State University.....	0	1	0	2	2	1	1	1	1	2	9
University of Connecticut.....	0	0	1	1	2	1	2	8	3	9	9
Wayne State University.....	1	0	1	5	6	7	16	9	8	16	12
University of Cincinnati.....	0	2	1	8	3	8	8	9	9	7	8
Clemson University.....	0	2	2	1	3	3	6	6	2	10	4
University of Medicine and Dentistry of New Jersey.....	1	0	1	4	7	2	4	7	2	6	1
University of Kansas.....	2	2	1	0	2	0	1	3	4	7	3
Washington State University.....	2	0	2	2	2	1	5	3	3	3	2
University of Hawaii.....	1	0	2	0	1	3	2	6	2	5	8

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**U.S. patenting activity of U.S. universities and colleges: 1983–93**

Variable	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
University of Arizona.....	2	1	2	2	0	0	1	2	1	1	3
Indiana University.....	3	2	4	0	3	1	6	1	3	6	1
Oregon State University.....	1	0	2	3	0	2	1	1	6	9	5
Arizona State University.....	0	1	1	1	2	0	9	9	12	6	2
Colorado State University.....	0	0	1	3	4	2	0	2	4	1	4
Mississippi State University.....	0	0	0	0	0	0	0	0	0	0	1
Utah State University.....	0	1	3	2	2	1	1	2	3	2	2
University of South Carolina.....	0	2	1	1	0	4	2	0	4	6	2
Medical University of South Carolina.....	0	0	0	1	0	1	0	1	0	0	0
University of Alaska.....	0	0	0	0	0	0	0	0	1	1	1
<b>Private universities</b>											
Massachusetts Institute of Technology.....	47	47	35	45	63	64	101	109	101	125	112
California Institute of Technology.....	16	15	16	23	27	18	56	30	36	32	29
Stanford University.....	16	36	38	33	48	54	43	36	57	42	50
Johns Hopkins University.....	6	10	15	18	18	21	27	15	25	20	33
Cornell University.....	10	14	20	13	30	16	22	34	40	41	35
University of Pennsylvania.....	2	4	5	1	2	1	9	19	18	26	34
Columbia University.....	2	3	4	7	6	15	19	16	8	17	17
Duke University.....	3	6	4	6	4	9	11	7	6	9	12
Harvard University.....	10	7	1	2	9	17	15	23	9	16	17
Washington University.....	1	1	3	1	7	6	12	7	22	18	18
Princeton University.....	0	0	0	0	2	1	12	4	13	4	11
Rockefeller University.....	1	3	5	4	9	11	6	8	14	23	23
Yale University.....	2	2	5	3	12	6	11	10	4	12	14
New York University.....	3	4	5	3	5	4	10	14	8	11	19
Northwestern University.....	3	2	2	8	10	10	7	5	4	8	8
University of Chicago.....	0	2	0	0	1	6	7	2	0	0	6
Emory University.....	0	0	1	1	0	0	7	3	10	6	14
Carnegie-Mellon University.....	0	3	3	3	1	2	5	3	5	10	4
Baylor University.....	2	2	3	2	7	3	8	8	6	9	11
University of Southern California.....	1	7	5	5	4	7	8	6	5	18	13
Boston University.....	2	2	3	6	9	9	9	11	6	22	15
Case Western Reserve University.....	0	1	1	6	3	1	1	2	1	9	6
Vanderbilt University.....	1	0	0	5	4	4	4	5	7	4	7
Yeshiva University.....	0	1	4	1	6	1	5	1	0	1	4
University of Rochester.....	9	6	2	8	9	11	11	13	12	10	11
Dartmouth College.....	2	0	2	1	0	3	2	4	1	1	4
University of Miami.....	0	4	4	3	15	5	5	1	1	5	2
<b>Affiliated organizations</b>											
Mayo Foundation.....	0	0	3	1	1	0	3	4	4	8	9
Associated Universities, Inc. ....	0	0	0	0	0	1	3	7	7	5	5
Research Triangle Institute.....	3	0	2	2	4	2	3	6	8	4	7

NOTES: Data include institutions affiliated with academic institutions, such as university and alumni organizations, federally funded research and development centers, foundations, and university associations. Data for certain institutions are for entire university system and incorporate data from various campuses. Number of patents awarded to public and private institutions are estimated because data for a small number of institutions could not be reconciled. Patents awarded to public and private institutions do not sum to total because patents for other organizations are excluded. Top 100 R&D institutions ranked by sum of their patents from 1994 through 2003.

SOURCES: U.S. Patent and Trademark Office, *Technology Assessment and Forecast Report: U.S. Colleges and Universities, 1969–2003* (2005); and National Science Foundation, Division of Science Resources Statistics, special tabulations.