

Appendix table 5-54

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U.S. patenting activity of U.S. universities and colleges: 1981–2001

Institution and type	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Number of institutions awarded patents.....	84	78	86	105	118	125	128	128	153	151
Public.....	48	45	53	57	66	74	70	68	86	87
Private.....	33	29	29	45	46	47	51	52	58	57
Other.....	3	4	4	3	6	4	7	8	9	7
Number of patents awarded to all institutions.....	436	458	434	551	589	670	820	814	1,225	1,182
Public.....	222	244	226	259	307	356	397	408	653	672
Private.....	167	164	155	235	234	263	363	365	528	480
Other.....	47	50	53	57	48	51	60	41	44	30
Largest recipients, 1991–2001										
Top 25.....	238	238	229	281	299	340	439	459	673	657
Percent.....	54.6	52.0	52.8	51.0	50.8	50.7	53.5	56.4	54.9	55.6
Top 100.....	359	386	357	440	481	546	697	709	1,086	1,065
Percent.....	82.3	84.3	82.3	79.9	81.7	81.5	85.0	87.1	88.7	90.1
Top 100 patenting institutions, 1991–2001										
Public universities										
University of California.....	38	42	48	46	42	54	67	60	81	65
University of Texas.....	6	7	5	8	20	25	21	21	51	56
University of Wisconsin.....	26	17	13	16	17	17	12	24	29	16
University of Florida.....	4	0	6	10	7	10	13	21	33	33
State University of New York.....	2	8	2	11	5	11	18	10	25	20
University of Michigan.....	1	2	2	1	1	10	6	14	23	27
Iowa State University.....	12	15	10	14	21	9	15	15	28	30
University of Minnesota.....	12	10	5	6	11	16	28	26	40	38
Michigan State University.....	1	1	3	3	3	10	6	8	2	7
University of Washington.....	0	7	2	3	1	2	1	5	3	7
North Carolina State University.....	4	1	0	2	3	4	6	5	10	14
University of Utah.....	7	14	15	9	11	7	12	9	13	14
University of North Carolina.....	0	0	1	0	0	3	2	2	6	8
Georgia Institute of Technology.....	7	8	3	6	11	9	9	7	8	18
University of Pittsburgh.....	3	2	5	8	3	8	10	6	11	11
University of Maryland.....	0	0	1	0	0	3	2	2	1	4
Pennsylvania State University.....	0	0	0	0	0	0	0	0	1	1
Rutgers University.....	0	0	0	1	1	0	2	2	7	2
Louisiana State University.....	2	0	1	1	1	1	3	4	9	4
Ohio State University.....	4	5	8	3	10	5	12	14	13	10
Texas A&M University.....	3	3	2	3	8	3	6	9	8	9
University of Nebraska.....	5	4	0	5	1	1	1	4	0	3
University of Illinois.....	8	7	8	8	10	12	4	9	15	7
University of Alabama.....	2	3	1	1	5	3	5	3	3	6
University of Iowa.....	4	5	3	4	1	8	8	6	8	12
University of Massachusetts.....	0	0	0	1	1	0	2	1	3	3
University of Kentucky.....	4	6	6	7	5	7	4	7	6	4
Virginia Polytechnic Institute.....	0	0	0	0	0	0	0	2	7	4
University of Arkansas.....	0	0	0	0	0	1	1	1	2	3
Purdue University.....	15	11	11	14	18	9	4	2	11	15
University of Georgia.....	0	0	7	7	5	6	4	0	3	5
University of Virginia.....	3	8	4	2	1	4	3	4	8	12
University of Colorado.....	0	0	0	0	0	0	1	0	3	9
University of New Mexico.....	0	0	0	0	2	3	1	3	9	9
University of Oklahoma.....	1	0	1	1	3	2	2	6	2	4
University of South Florida.....	0	0	0	0	0	1	0	0	2	2
University of Tennessee.....	1	1	0	1	5	8	8	8	12	14
University of Akron.....	1	4	1	3	3	2	0	6	6	9
Oregon Health Sciences University.....	0	0	0	0	0	0	3	0	3	4
Wayne State University.....	0	2	1	0	1	5	6	7	16	9
University of Missouri.....	2	9	5	4	0	3	8	9	5	6
Arizona State University.....	0	0	0	1	1	1	2	0	9	9
Kansas State University.....	2	2	4	3	2	4	4	3	4	1
University of Connecticut.....	1	0	0	0	1	1	2	1	2	8
University of Cincinnati.....	0	0	0	2	2	1	8	3	8	9
City University of New York, Mt. Sinai.....	5	4	3	2	1	2	1	3	2	2
University of Central Florida.....	0	0	0	0	0	0	0	0	1	0
Florida State University.....	0	0	0	1	0	2	2	1	1	1
Temple University.....	1	2	0	2	0	1	5	7	10	9

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U.S. patenting activity of U.S. universities and colleges: 1981–2001

Institution and type	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Virginia Commonwealth University	0	0	0	0	0	0	0	0	0	1
University of Medicine and Dentistry of New Jersey	0	1	1	0	1	4	7	2	4	7
Oregon State University	1	0	1	0	2	3	0	2	1	1
Clemson University	0	0	0	2	2	1	3	3	6	6
University of Toledo	0	2	1	2	0	1	0	0	3	0
University of Hawaii	0	1	1	0	2	0	1	3	2	6
Indiana University	1	0	3	2	4	0	3	1	6	1
Washington State University	1	3	2	0	2	2	2	1	5	3
University of Delaware	12	12	6	5	9	7	5	8	8	11
University of Kansas	1	0	2	2	1	0	2	0	1	3
University of Houston	2	0	0	0	0	1	0	0	3	3
University of Arizona	1	1	2	1	2	2	0	0	1	2
Private universities										
Massachusetts Institute of Technology	66	51	47	47	35	45	63	64	101	109
Stanford University	10	4	16	36	38	33	48	54	43	36
California Institute of Technology	16	19	16	15	16	23	27	18	56	30
Cornell University	8	6	10	14	20	13	30	16	22	34
Johns Hopkins University	9	8	6	10	15	18	18	21	27	15
University of Pennsylvania	1	1	2	4	5	1	2	1	9	19
Columbia University	0	0	2	3	4	7	6	15	19	16
Washington University	1	0	1	1	3	1	7	6	12	7
Duke University	1	3	3	6	4	6	4	9	11	7
Harvard University	3	11	10	7	1	2	9	17	15	23
Rockefeller University	3	3	1	3	5	4	9	11	6	8
New York University	1	7	3	4	5	3	5	4	10	14
Thomas Jefferson University	2	2	4	10	5	3	3	2	7	5
Yale University	0	0	2	2	5	3	12	6	11	10
Princeton University	1	0	0	0	0	0	2	1	12	4
Northwestern University	1	7	3	2	2	8	10	10	7	5
Boston University	2	1	2	2	3	6	9	9	9	11
Baylor University	3	3	2	2	3	2	7	3	8	8
Emory University	0	0	0	0	1	1	0	0	7	3
University of Chicago	0	2	0	2	0	0	1	6	7	2
Carnegie-Mellon University	0	0	0	3	3	3	1	2	5	3
University of Southern California	2	5	1	7	5	5	4	7	8	6
Case Western Reserve University	1	0	0	1	1	6	3	1	1	2
Northeastern University	0	1	0	0	3	2	2	1	3	4
Vanderbilt University	1	2	1	0	0	5	4	4	4	5
University of Rochester	7	8	9	6	2	8	9	11	11	13
Brown University	0	0	0	1	2	2	1	3	3	3
Yeshiva University	0	3	0	1	4	1	6	1	5	1
Georgetown University	2	1	4	5	1	0	4	3	1	5
Tufts University	0	0	0	0	0	0	1	2	7	1
Rensselaer Polytechnic Institute	6	4	0	4	5	6	2	2	5	4
Tulane University	0	0	0	1	2	1	1	3	4	4
Wake Forest University	0	0	0	0	0	0	2	3	3	0
Dartmouth College	3	0	2	0	2	1	0	3	2	4
University of Miami	2	2	0	4	4	3	15	6	5	1
Brigham Young University	0	0	1	3	3	6	2	1	8	9
Affiliated organizations										
Mayo Foundation	0	0	0	0	3	1	1	0	3	4
Associated Universities, Inc.	0	0	0	0	0	0	0	1	3	7
Research Triangle Institute	1	2	3	0	2	2	4	2	3	6

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U.S. patenting activity of U.S. universities and colleges: 1981–2001

Institution and type	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Number of institutions awarded patents.....	162	157	163	171	166	180	181	177	186	188	190
Public.....	94	91	98	101	99	103	109	100	111	113	112
Private.....	57	55	58	60	59	69	65	69	68	69	72
Other.....	11	11	7	10	8	8	7	8	7	6	6
Number of patents awarded to all institutions.....	1,342	1,541	1,620	1,779	1,878	2,154	2,436	3,151	3,340	3,087	3,203
Public.....	792	901	936	1,069	1,197	1,344	1,517	1,842	2,038	1,893	1,907
Private.....	508	598	645	668	645	768	872	1,262	1,248	1,159	1,252
Other.....	41	42	39	42	36	41	46	47	53	35	43
Largest recipients, 1991–2001											
Top 25.....	755	811	880	990	998	1,195	1,310	1,774	1,861	1,727	1,733
Percent.....	56.3	52.6	54.3	55.6	53.1	55.5	53.8	56.3	55.7	55.9	54.1
Top 100.....	1,201	1,407	1,482	1,641	1,729	1,976	2,253	2,941	3,081	2,871	2,972
Percent.....	89.5	91.3	91.5	92.2	92.1	91.7	92.5	93.3	92.2	93.0	92.8
Top 100 patenting institutions, 1991–2001											
Public universities											
University of California.....	84	81	115	163	213	266	277	395	437	435	402
University of Texas.....	84	73	86	98	90	88	81	97	93	90	89
University of Wisconsin.....	45	43	57	50	52	65	64	85	87	66	73
University of Florida.....	38	42	34	26	31	36	43	52	50	64	51
State University of New York.....	27	34	31	38	31	37	45	51	54	54	41
University of Michigan.....	21	21	19	28	30	25	53	50	51	69	51
Iowa State University.....	39	23	29	37	37	38	36	53	45	34	29
University of Minnesota.....	32	31	28	28	25	31	32	43	49	46	38
Michigan State University.....	11	19	13	21	15	32	41	59	53	42	39
University of Washington.....	8	11	11	13	17	25	37	47	47	59	43
North Carolina State University.....	11	24	27	32	31	26	24	26	23	24	31
University of Utah.....	5	13	20	22	17	32	31	37	35	20	43
University of North Carolina.....	3	11	14	13	21	22	39	29	43	27	36
Georgia Institute of Technology.....	11	16	16	20	21	22	16	17	34	38	32
University of Pittsburgh.....	16	10	10	10	13	12	17	32	39	38	38
University of Maryland.....	4	14	21	15	21	20	18	24	37	25	33
Pennsylvania State University.....	1	0	4	11	16	20	19	26	36	37	52
Rutgers University.....	15	12	15	18	20	18	21	26	31	25	21
Louisiana State University.....	5	20	16	12	14	16	22	38	15	21	35
Ohio State University.....	15	21	10	10	17	22	27	24	22	26	20
Texas A&M University.....	12	14	22	20	16	15	14	21	23	19	25
University of Nebraska.....	4	4	10	16	21	29	24	25	23	27	18
University of Illinois.....	8	10	13	14	12	16	17	21	29	26	34
University of Alabama.....	3	7	6	7	9	13	19	27	37	26	32
University of Iowa.....	6	7	11	9	17	11	14	25	30	17	38
University of Massachusetts.....	6	5	4	5	12	14	15	24	52	21	18
University of Kentucky.....	7	7	4	3	11	14	14	21	29	25	20
Virginia Polytechnic Institute.....	11	18	12	16	6	14	17	16	21	14	9
University of Arkansas.....	10	16	8	10	5	6	8	9	30	18	28
Purdue University.....	11	5	6	11	10	12	24	22	19	11	13
University of Georgia.....	8	10	18	7	10	12	11	18	10	19	18
University of Virginia.....	11	9	7	5	10	13	13	20	15	14	18
University of Colorado.....	6	19	7	14	18	16	21	19	8	3	3
University of New Mexico.....	10	11	5	9	15	8	13	12	15	23	13
University of Oklahoma.....	3	7	13	7	11	9	16	9	15	17	20
University of South Florida.....	7	5	7	4	6	13	14	18	18	20	15
University of Tennessee.....	10	12	4	5	14	8	13	9	12	16	22
University of Akron.....	14	11	9	17	11	12	5	9	12	11	13
Oregon Health Sciences University.....	6	5	5	6	10	12	16	13	13	21	13
Wayne State University.....	8	16	12	14	9	8	8	10	10	8	12
University of Missouri.....	7	9	8	7	10	8	16	13	16	6	12
Arizona State University.....	12	6	3	6	12	19	12	6	11	7	14
Kansas State University.....	7	7	9	20	11	9	4	7	12	8	9
University of Connecticut.....	3	9	9	2	8	9	13	11	17	13	7
University of Cincinnati.....	9	7	8	7	8	7	10	5	5	16	16
City University of New York, Mt. Sinai.....	5	3	3	4	5	9	13	16	15	9	12
University of Central Florida.....	0	0	4	4	6	9	14	12	14	11	19
Florida State University.....	1	2	9	5	10	8	6	13	9	14	7
Temple University.....	3	14	9	9	11	7	9	6	5	4	6

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U.S. patenting activity of U.S. universities and colleges: 1981–2001

Institution and type	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Virginia Commonwealth University	1	3	6	4	2	4	7	6	18	18	9
University of Medicine and Dentistry of New Jersey	2	6	1	4	5	3	7	15	9	5	14
Oregon State University	6	9	5	13	6	4	7	8	3	2	8
Clemson University	2	10	4	10	8	7	9	8	2	4	7
University of Toledo	2	4	7	6	14	7	9	6	5	4	5
University of Hawaii	2	5	8	6	7	6	6	6	8	10	4
Indiana University	3	6	1	7	6	8	11	12	5	6	2
Washington State University	3	3	2	4	4	2	5	5	10	12	13
University of Delaware	10	10	5	4	5	5	4	6	2	3	5
University of Kansas	4	7	3	2	2	6	3	6	11	5	9
University of Houston	4	1	3	5	8	6	4	5	4	10	8
University of Arizona	1	1	3	6	4	4	9	8	7	5	3
Private universities											
Massachusetts Institute of Technology	101	125	112	99	104	119	102	138	142	113	125
Stanford University	57	42	50	62	54	55	64	79	83	103	84
California Institute of Technology	36	32	29	46	38	24	46	93	99	103	124
Cornell University	40	41	35	39	36	52	50	65	64	49	61
Johns Hopkins University	25	20	33	23	28	27	48	79	97	72	80
University of Pennsylvania	18	26	34	37	25	45	55	69	59	31	52
Columbia University	8	17	17	18	18	33	35	55	55	51	58
Washington University	22	18	18	19	21	18	22	41	50	36	37
Duke University	6	9	12	29	20	37	21	30	36	33	57
Harvard University	9	16	17	16	14	32	28	49	41	26	32
Rockefeller University	14	23	23	13	9	8	20	35	34	42	25
New York University	8	11	19	16	15	19	23	23	27	26	33
Thomas Jefferson University	7	8	9	13	14	15	25	29	26	26	36
Yale University	4	12	14	13	16	7	20	34	28	29	29
Princeton University	13	4	11	7	12	13	16	24	30	28	39
Northwestern University	4	8	8	12	18	10	27	35	24	17	33
Boston University	6	22	15	14	14	16	20	19	15	16	18
Baylor University	6	9	11	11	7	18	18	27	22	29	15
Emory University	10	6	14	5	11	12	12	35	26	20	18
University of Chicago	0	0	6	14	16	13	22	22	25	16	27
Carnegie-Mellon University	5	10	4	8	10	13	9	26	27	33	12
University of Southern California	5	18	13	15	6	15	18	16	13	15	20
Case Western Reserve University	1	9	6	8	8	6	9	15	28	18	18
Northeastern University	6	11	10	15	16	11	12	11	9	15	6
Vanderbilt University	7	4	7	6	9	6	11	16	14	21	20
University of Rochester	12	10	11	10	6	3	5	15	7	12	16
Brown University	4	5	1	4	6	6	9	18	19	12	19
Yeshiva University	0	1	4	3	3	11	6	14	10	17	17
Georgetown University	3	5	5	7	6	7	8	11	8	13	8
Tufts University	5	7	9	6	3	8	4	11	6	9	12
Rensselaer Polytechnic Institute	2	2	7	7	7	12	6	4	5	9	8
Tulane University	7	5	6	6	5	7	4	9	2	6	6
Wake Forest University	1	0	3	4	1	6	6	6	9	11	12
Dartmouth College	1	1	4	4	3	4	2	9	8	11	7
University of Miami	1	5	2	5	5	5	14	3	2	3	3
Brigham Young University	5	9	13	3	3	2	5	2	2	4	2
Affiliated organizations											
Mayo Foundation	4	8	9	4	6	12	17	20	28	18	27
Associated Universities, Inc.	7	5	5	14	12	12	13	9	1	0	0
Research Triangle Institute	8	4	7	7	7	2	4	6	10	10	8

NOTES: Data include institutions affiliated with academic institutions, such as university and alumni organizations, federally funded research and development centers, foundations, and university associations. Top 100 patenting institutions are determined by the sum of their patents from 1991 through 2001. Institutions are listed in declining order. Data for certain institutions are for the systemwide university and incorporate data from various campuses.

SOURCES: U.S. Patent and Trademark Office, *Technology Assessment and Forecast Report: U.S. Colleges and Universities, 1969–2001* (Washington, DC, 2001); and National Science Foundation, Division of Science Resources Statistics, special tabulations.