

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.