

TABLE 41. R&D expenditures at private universities and colleges, ranked by all R&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 ^a	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

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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

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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.

^a 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.