

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
	All institutions	4,624,575	572,733	1,751,352	2,002,723	297,767	3,380,137	405,131	1,201,243	1,556,125	217,638
1	CA Institute of Technology	219,624	9,509	35,612	174,503	0	207,180	8,814	27,019	171,347	0
2	U. AZ	185,402	139,665	23,709	22,028	0	116,546	86,953	16,771	12,822	0
3	Johns Hopkins U., The <sup>a</sup>	166,459	37,996	18,632	89,094	20,737	161,126	35,703	17,869	86,964	20,590
4	MA Institute of Technology	117,749	22,785	29,110	58,521	7,333	110,050	22,513	24,206	56,450	6,881
5	U. TX Austin	99,019	17,130	25,089	54,378	2,422	67,293	6,696	14,891	45,706	0
6	U. CO Boulder	95,345	49,968	24,007	19,218	2,152	83,595	45,559	20,336	16,158	1,542
7	U. CA, Berkeley	93,414	47,147	25,549	20,411	307	64,428	30,985	16,987	16,445	11
8	Stanford U.	92,552	0	23,622	4,862	64,068	70,967	0	19,361	4,450	47,156
9	Cornell U.	92,023	13,774	19,365	48,636	10,248	81,141	12,524	14,493	43,974	10,150
10	U. MD College Park	89,949	25,469	10,276	53,568	636	69,027	23,601	7,705	37,721	0
11	U. WI-Madison	89,792	8,063	23,499	33,404	24,826	65,976	3,461	14,694	27,617	20,204
12	MI State U.	73,110	0	8,292	64,818	0	48,369	0	5,665	42,704	0
13	U. CA, Los Angeles	72,020	0	20,935	50,087	998	54,589	0	16,429	38,160	0
14	FL State U.	66,360	30	11,539	54,770	21	31,298	20	6,283	24,990	5
15	U. IL Urbana-Champaign	61,191	4,226	30,092	26,873	0	48,467	3,032	22,576	22,859	0
16	U. CA, San Diego	57,596	0	26,387	29,296	1,913	43,885	0	21,626	21,142	1,117
17	PA State U. University Park and Hershey Medical Ctr.	57,203	11,998	22,972	22,233	0	37,647	6,974	14,078	16,595	0
18	U. Chicago	54,198	12,636	15,007	17,261	9,294	45,908	11,331	12,199	14,936	7,442
19	Harvard U.	52,451	7,151	28,723	16,555	22	45,657	7,041	22,544	16,072	0
20	Rutgers, the State U. NJ-New Brunswick	50,689	631	33,211	15,699	1,148	37,547	630	28,394	8,156	367
21	U. MI-Ann Arbor	49,218	4,851	24,923	19,444	0	32,226	3,344	15,923	12,959	0
22	U. CA, Santa Barbara	46,773	1,775	12,872	26,689	5,437	31,693	1,775	8,717	17,441	3,760
23	U. WA Seattle	45,396	6,533	23,010	15,853	0	40,910	4,629	20,609	15,672	0
24	Columbia U. in the City of New York	45,364	8,803	12,251	24,310	0	43,061	8,594	10,433	24,034	0
25	Boston U.	44,919	1,657	10,406	7,621	25,235	40,864	1,576	8,838	6,672	23,778
26	TX A&M U.	44,594	379	23,063	19,062	2,090	21,901	319	10,426	10,562	594
27	IN U. Bloomington	42,027	1,835	19,678	20,514	0	19,387	661	8,099	10,627	0
28	GA Institute of Technology	41,493	0	27,354	14,139	0	24,137	0	15,449	8,688	0
29	Northwestern U.	40,526	0	28,303	9,385	2,838	28,779	0	19,713	6,897	2,169
30	U. MN Twin Cities	40,299	2,229	13,179	24,891	0	30,789	1,669	8,730	20,390	0
31	U. HI Manoa	39,689	31,807	3,650	2,715	1,517	24,415	18,715	1,902	2,295	1,503
32	Princeton U.	38,429	6,634	12,319	19,476	0	26,653	4,792	7,383	14,478	0
33	U. CA, Santa Cruz	36,321	20,329	6,488	9,431	73	14,977	4,879	4,778	5,269	51
34	U. CA, Irvine	36,045	0	16,747	19,298	0	24,961	0	12,651	12,310	0
35	OH State U.	35,251	2,570	13,203	15,586	3,892	26,009	2,270	10,317	13,007	415

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
36	U. FL	34,958	5,987	14,739	12,883	1,349	23,941	3,641	9,397	10,762	141
37	U. SC Columbia	33,428	0	23,799	9,629	0	16,720	0	13,735	2,985	0
38	SUNY Stony Brook	33,371	0	18,983	14,063	325	19,191	0	8,695	10,496	0
39	U. NC Chapel Hill	33,177	0	26,032	7,145	0	28,754	0	23,240	5,514	0
40	U. MA Amherst	33,074	4,135	21,591	7,348	0	22,212	2,535	14,507	5,170	0
41	Purdue U. main campus	32,177	0	21,541	10,396	240	24,195	0	16,308	7,887	0
42	U. IA	32,040	1,177	8,513	22,350	0	24,813	1,074	3,337	20,402	0
43	U. PA	31,918	0	15,096	16,822	0	29,191	0	14,177	15,014	0
44	Yale U.	29,549	2,248	10,438	16,863	0	23,321	1,546	7,671	14,104	0
45	U. CA, Davis	28,367	0	12,479	8,452	7,436	19,114	0	9,467	5,505	4,142
46	U. UT	28,309	0	20,114	8,195	0	15,092	0	11,205	3,887	0
47	MT State U. Bozeman	27,162	0	14,833	8,258	4,071	22,554	0	12,523	6,576	3,455
48	U. Central FL	25,761	0	6,051	19,710	0	16,955	0	4,358	12,597	0
49	Wayne State U.	25,711	0	11,098	7,899	6,714	12,653	0	6,358	5,802	493
50	U. Pittsburgh main campus	24,666	397	16,002	6,406	1,861	14,637	393	10,043	4,201	0
51	Rice U.	24,506	0	11,238	13,268	0	16,956	0	6,822	10,134	0
52	Vanderbilt U.	24,489	0	15,577	8,912	0	21,377	0	13,703	7,674	0
53	VA Polytechnic Institute and State U.	24,242	79	16,791	6,927	445	12,428	62	8,959	3,161	246
54	WA State U.	23,606	196	8,298	14,394	718	16,207	103	5,493	9,988	623
55	Brown U.	23,530	189	7,758	9,185	6,398	14,749	67	4,071	4,786	5,825
56	AZ State U.	22,523	939	12,149	9,435	0	17,459	481	10,004	6,974	0
57	LA State U. and A&M C.	22,324	0	10,560	11,730	34	12,847	0	6,165	6,682	0
58	U. of Notre Dame	21,055	0	10,021	11,034	0	16,585	0	7,384	9,201	0
59	U. VA main campus	20,528	3,522	9,099	7,907	0	17,667	2,999	7,678	6,990	0
60	U. KS	19,992	459	16,909	2,624	0	14,758	443	11,875	2,440	0
61	Duke U.	19,714	0	8,787	10,927	0	14,886	0	4,837	10,049	0
62	U. OR	19,430	0	9,837	9,063	530	15,426	0	6,773	8,123	530
63	NC State U.	18,702	0	8,040	9,794	868	11,443	0	4,198	6,925	320
64	IA State U.	17,793	0	9,120	8,673	0	8,177	0	4,574	3,603	0
65	U. NE-Lincoln	17,648	0	5,195	12,453	0	11,636	0	2,257	9,379	0
66	NM State U.	17,246	6,305	9,121	1,647	173	11,162	2,158	7,423	1,424	157
67	NM Institute of Mining and Technology	17,213	0	1,120	16,093	0	13,977	0	776	13,201	0
68	U. TN Knoxville	17,056	0	6,531	10,525	0	13,108	0	4,427	8,681	0
69	SUNY Buffalo	16,848	0	12,805	3,967	76	8,777	0	6,660	2,117	0
70	ND State U.	16,810	0	7,262	378	9,170	13,112	0	5,924	203	6,985
71	Washington U. St. Louis	16,804	0	8,220	8,584	0	13,136	0	6,035	7,101	0
72	U. Toledo	16,793	819	3,042	11,923	1,009	8,508	541	2,035	5,179	753

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
73	Catholic U. America, The	16,324	0	747	6,108	9,469	12,107	0	640	5,880	5,587
74	Emory U.	16,214	0	14,851	1,363	0	9,094	0	8,056	1,038	0
75	U. PR Rio Piedras	16,098	0	11,264	4,834	0	13,639	0	10,173	3,466	0
76	U. MS and U. MS Medical Ctr.	15,942	0	1,989	13,953	0	13,206	0	1,802	11,404	0
77	U. DE	15,564	1,242	6,828	7,494	0	12,865	598	5,652	6,615	0
78	U. Akron	15,393	0	15,310	83	0	3,050	0	3,033	17	0
79	U. CA, Riverside	15,137	1,077	7,429	6,631	0	12,383	844	6,032	5,507	0
80	U. CA, San Francisco	14,961	0	14,961	0	0	10,880	0	10,880	0	0
81	Jackson State U.	14,610	0	3,898	3,654	7,058	13,804	0	3,727	3,482	6,595
82	U. TX M. D. Anderson Cancer Ctr.	14,501	0	14,501	0	0	7,395	0	7,395	0	0
83	U. Rochester	14,474	0	5,488	8,986	0	12,435	0	4,558	7,877	0
84	NY U.	14,293	0	8,802	5,491	0	12,527	0	8,309	4,218	0
85	U. NM	14,151	102	3,207	9,363	1,479	11,722	80	2,696	8,122	824
86	Northeastern U.	14,148	0	8,559	5,589	0	10,700	0	6,198	4,502	0
87	NJ Institute of Technology	14,113	0	2,113	12,000	0	10,254	0	983	9,271	0
88	U. Southern CA	14,063	158	11,559	1,907	439	9,841	141	7,838	1,423	439
89	U. CA Office of the President	13,739	13,617	0	122	0	0	0	0	0	0
90	U. MA Lowell	13,731	0	3,188	10,543	0	8,133	0	1,266	6,867	0
91	U. Southern MS	13,449	0	12,012	1,437	0	10,955	0	9,519	1,436	0
92	AL A&M U.	13,338	0	5	13,265	68	13,338	0	5	13,265	68
93	U. IL Chicago	13,212	0	7,562	5,650	0	9,718	0	5,248	4,470	0
94	U. OK	12,985	0	7,121	5,864	0	7,313	0	3,859	3,454	0
95	Kent State U.	12,835	0	5,073	2,736	5,026	5,503	0	1,623	2,010	1,870
96	Carnegie Mellon U.	12,402	0	4,970	5,985	1,447	9,771	0	3,305	5,019	1,447
97	Rensselaer Polytechnic Institute	12,294	0	4,252	8,042	0	9,379	0	3,490	5,889	0
98	U. AR main campus	12,239	209	5,867	6,163	0	7,424	56	3,925	3,443	0
99	Case Western Reserve U.	11,519	216	4,364	6,719	220	8,734	167	3,562	4,910	95
100	Clemson U.	11,428	0	6,969	4,459	0	5,697	0	3,328	2,369	0
101	U. AL Huntsville, The	11,207	5,996	401	3,179	1,631	10,448	5,779	370	2,809	1,490
102	U. TX Arlington	11,162	0	4,501	6,661	0	6,456	0	2,066	4,390	0
103	KS State U.	10,918	0	3,049	7,869	0	8,935	0	2,163	6,772	0
104	CO State U.	10,830	0	7,475	2,864	491	8,253	0	5,439	2,384	430
105	U. TX Dallas	10,825	0	0	0	10,825	6,009	0	0	0	6,009
106	Naval Postgraduate School	10,559	0	0	10,559	0	9,954	0	0	9,954	0
107	Temple U.	10,541	0	6,443	4,098	0	6,191	0	3,776	2,415	0
108	TX Tech U.	10,450	0	7,530	2,920	0	4,450	0	3,240	1,210	0
109	Boston C.	10,364 i	0 i	7,350 i	3,014 i	0 i	7,708	0	5,785	1,923	0
110	U. KY	10,364	0	5,689	4,674	1	6,347	0	3,492	2,855	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
111	Old Dominion U.	10,093	0	5,240	4,853	0	3,636	0	1,493	2,143	0
112	U. Houston	9,792	0	7,342	2,382	68	4,198	0	3,287	911	0
113	Rockefeller U.	9,373	0	6,415	2,958	0	5,277	0	4,421	856	0
114	Rochester Institute of Technology	9,247	0	264	1,559	7,424	6,147	0	152	1,281	4,714
115	OH U.	9,199	303	2,673	6,223	0	4,184	276	655	3,253	0
116	U. New Orleans	9,163	0	8,114	1,049	0	6,570	0	5,921	649	0
117	Portland State U.	9,101	0	4,845	4,249	7	6,988	0	3,936	3,052	0
118	U. MD Baltimore County	9,020	0	3,829	2,074	3,117	6,972	0	3,829	1,157	1,986
119	U. CT	8,918	0	5,392	3,526	0	6,807	0	3,908	2,899	0
120	U. NV, Reno	8,757	168	1,808	6,781	0	7,705	0	1,093	6,612	0
121	U. South FL	8,516	0	5,269	3,247	0	4,023	0	1,991	2,032	0
122	Northern IL U.	8,512	0	924	6,722	866	3,882	0	736	2,722	424
123	OK State U. main campus	8,440	0	3,085	5,355	0	2,752	0	878	1,874	0
124	Air Force Institute of Technology	8,398	0	0	8,398	0	5,345	0	0	5,345	0
125	Syracuse U.	8,383	0	2,142	6,241	0	5,356	0	1,296	4,060	0
126	U. WI-Milwaukee	8,301	0	3,129	5,004	168	5,765	0	2,041	3,724	0
127	GA State U.	8,201	0	4,577	3,624	0	4,985	0	2,895	2,090	0
128	ID State U.	8,084	0	1,665	6,419	0	6,037	0	648	5,389	0
129	Dartmouth C.	8,042	0	2,899	5,143	0	5,116	0	2,005	3,111	0
130	Hampton U.	7,919	0	262	7,657	0	7,919	0	262	7,657	0
131	Fisk U.	7,537	0	783	6,754	0	7,537	0	783	6,754	0
132	George Mason U.	7,357	5,115	242	1,385	615	6,459	4,945	59	1,143	312
133	Lehigh U.	7,286	0	3,688	3,598	0	5,163	0	2,791	2,372	0
134	U. NV, Las Vegas	7,109	0	2,066	5,043	0	6,482	0	1,757	4,725	0
135	MS State U.	7,064	0	4,840	1,978	246	2,197	0	1,383	803	11
136	U. AL, The	6,959	96	3,998	2,582	283	4,886	96	2,759	1,749	282
137	Western KY U.	6,955	1,819	2,373	2,619	144	4,584	1,551	1,338	1,644	51
138	Tufts U.	6,893	0	5,242	1,651	0	5,124	0	3,709	1,415	0
139	CUNY Hunter C.	6,849	0	5,172	1,677	0	3,978	0	3,094	884	0
140	U. Cincinnati	6,753	0	4,147	2,606	0	3,533	0	2,057	1,476	0
141	WV U.	6,320	0	2,675	3,645	0	4,196	0	1,908	2,288	0
142	Brandeis U.	6,258	0	2,841	3,417	0	5,445	0	2,263	3,182	0
143	U. MO-Columbia	6,230	0	2,509	3,721	0	6,162	0	2,508	3,654	0
144	CUNY The City C.	6,156	0	3,115	3,041	0	4,194	0	2,263	1,931	0
145	U. AL Birmingham, The	6,134	0	900	4,247	987	4,024	0	703	3,321	0
146	SUNY Binghamton	6,095	0	5,343	752	0	2,302	0	2,302	0	0
147	U. GA	6,039	576	3,882	1,581	0	4,398	576	2,459	1,363	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
148	CO School of Mines	6,004	0	2,415	3,589	0	5,504	0	2,080	3,424	0
149	San Diego State U.	5,961	490	3,731	1,375	365	3,602	431	1,768	1,038	365
150	U. AK Fairbanks	5,944	5,489	284	0	171	5,506	5,247	259	0	0
151	VA Commonwealth U.	5,850	0	4,597	1,253	0	4,888	0	3,635	1,253	0
152	U. RI	5,794	0	2,921	905	1,968	5,373	0	2,607	903	1,863
153	C. of William and Mary and VA Institute of Marine Science	5,497	0	852	4,645	0	4,444	0	623	3,821	0
154	FL International U.	5,404	0	2,108	2,407	889	4,353	0	1,655	1,952	746
155	U.S. Air Force Academy	5,332	0	1,059	4,273	0	3,350	0	391	2,959	0
156	U. North TX	5,217	0	4,402	815	0	3,718	0	3,137	581	0
157	Drexel U.	4,997	0	1,827	3,170	0	3,673	0	1,307	2,366	0
158	Auburn U. main campus	4,912	182	1,834	2,691	205	4,228	182	1,378	2,463	205
159	Brigham Young U.	4,826	105	3,216	1,505	0	3,901	76	2,541	1,284	0
160	U. TX San Antonio	4,729	0	1,670	3,059	0	1,763	0	589	1,174	0
161	Georgetown U.	4,717	0	2,519	2,198	0	4,335	0	2,409	1,926	0
162	Southern IL U. Carbondale	4,661	0	2,817	1,838	6	3,077	0	1,966	1,111	0
163	U. ME	4,645	0	740	3,905	0	1,993	0	309	1,684	0
164	U. Louisville	4,552	163	3,282	1,107	0	3,418	82	2,591	745	0
165	Duquesne U.	4,504	0	4,169	335	0	2,005	0	1,843	162	0
166	MI Technological U.	4,424	0	1,332	3,092	0	1,818	0	237	1,581	0
167	FL Atlantic U.	4,247	0	3,540	674	33	1,864	0	1,571	293	0
168	George Washington U.	4,158	0	1,098	3,060	0	2,674	0	547	2,127	0
169	OR State U.	4,041	0	3,332	709	0	2,952	0	2,297	655	0
170	U. CA, Merced	3,973	0	1,442	2,531	0	1,593	0	697	896	0
171	FL A&M U.	3,955	0	310	3,645	0	3,778	0	264	3,514	0
172	NC Agricultural and Technical State U.	3,634	0	316	3,264	54	3,389	0	282	3,056	51
173	San Francisco State U.	3,633	757	2,239	637	0	2,372	447	1,595	330	0
174	FL Institute of Technology	3,619	0	719	2,900	0	3,086	0	681	2,405	0
175	U. SD	3,558	0	2,819	739	0	2,054	0	1,820	234	0
176	Clark Atlanta U.	3,479	0	3,070	409	0	3,144	0	2,735	409	0
177	Wright State U.	3,463	0	694	1,983	786	1,715	0	179	851	685
178	Youngstown State U.	3,423	0	2,499	924	0	1,621	0	1,107	514	0
179	CA State U., Northridge	3,421	538	1,338	1,545	0	3,012	538	1,095	1,379	0
180	Clarkson U.	3,351	0	3,015	217	119	1,297	0	1,141	156	0
181	Oakland U.	3,347	0	1,295	2,052	0	2,832	0	960	1,872	0
182	U. AR Little Rock	3,303	292	2,647	0	364	1,605	277	1,328	0	0
183	Bowling Green State U.	3,295	0	3,293	2	0	1,981	0	1,981	0	0
184	Xavier U. LA	3,290	0	2,896	8	386	2,786	0	2,477	0	309

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
185	UT State U.	3,272	0	1,536	873	863	2,658	0	1,251	701	706
186	Wake Forest U.	3,237	0	971	2,266	0	2,144	0	778	1,366	0
187	SUNY C. of Environmental Science and Forestry	3,205	0	3,205	0	0	1,630	0	1,630	0	0
188	U. TX El Paso	3,166	0	2,265	685	216	2,123	0	1,634	335	154
189	U. ID	3,114	0	1,967	1,005	142	2,100	0	1,174	926	0
190	Baylor U.	3,056	0	1,583	1,473	0	886	0	413	473	0
191	IL Institute of Technology	3,030	0	388	2,642	0	2,745	0	264	2,481	0
192	Tulane U.	3,022	0	1,449	1,573	0	2,308	0	1,201	1,107	0
193	U. MT-Missoula, The	2,907	0	2,394	513	0	2,464	0	2,052	412	0
194	Western MI U.	2,894	0	1,846	1,048	0	2,558	0	1,584	974	0
195	U. NC Charlotte	2,887	0	534	2,353	0	1,627	0	323	1,304	0
196	U. PR Mayaguez	2,853	0	2,059	794	0	1,499	0	1,205	294	0
197	U. NH	2,843	0	1,746	1,097	0	2,404	0	1,498	906	0
198	U. Memphis, The	2,792	0	1,761	1,031	0	1,558	0	857	701	0
199	U. Denver	2,779	0	1,829	950	0	2,420	0	1,546	874	0
200	U. WY	2,774	0	1,870	904	0	2,496	0	1,726	770	0
201	Howard U.	2,768	0	978	1,790	0	2,657	0	892	1,765	0
202	Southern IL U. Edwardsville	2,746	64	1,477	1,205	0	638	9	341	288	0
203	Southern Methodist U.	2,660	0	666	1,994	0	2,028	0	199	1,829	0
204	U. TX Brownsville	2,578	2,568	0	0	10	2,276	2,276	0	0	0
205	MO State U.	2,571	92	326	336	1,817	2,562	92	326	327	1,817
206	U.S. Naval Academy	2,563	0	1,794	769	0	2,508	0	1,782	726	0
207	U. Miami	2,548	0	1,258	1,290	0	2,278	0	1,021	1,257	0
208	SD State U.	2,510	0	2,472	38	0	1,124	0	1,124	0	0
209	U. MO-St. Louis	2,483	0	2,163	320	0	1,997	0	1,701	296	0
210	U. MA Dartmouth	2,421	0	1,768	653	0	956	0	682	274	0
211	U. Tulsa	2,397	0	2,130	267	0	1,461	0	1,272	189	0
212	MO U. of Science and Technology	2,338	0	1,733	605	0	2,022	0	1,504	518	0
213	U. NC Greensboro	2,254	0	1,886	368	0	1,760	0	1,423	337	0
214	DE State U.	2,234	0	674	1,510	50	2,023	0	672	1,351	0
215	SUNY Albany	2,231	0	2,011	220	0	1,653	0	1,514	139	0
216	LA Tech U.	2,200	0	937	1,263	0	1,029	0	313	716	0
217	CA State U., Los Angeles	2,106	0	1,814	292	0	2,091	0	1,799	292	0
218	San Jose State U.	2,085	0	1,083	967	35	1,878	0	958	920	0
219	Wesleyan U.	2,062	477	1,288	297	0	1,397	337	850	210	0
220	U. MO-Kansas City	1,987	0	928	1,059	0	1,012	0	520	492	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
221	Norfolk State U.	1,933	0	1,050	883	0	1,631	0	1,025	606	0
222	U. NC Wilmington	1,866	49	1,679	103	35	1,329	49	1,166	94	20
223	U. MN Duluth	1,839	0	1,592	247	0	794	0	602	192	0
224	AR State U. main campus	1,817	0	378	1,439	0	1,783	0	344	1,439	0
225	U. PR Humacao	1,805 i	0 i	1,132 i	673 i	0 i	1,804 i	0 i	1,131 i	673 i	0 i
226	U. ND	1,789	0	1,640	149	0	1,191	0	1,084	107	0
227	U. VT	1,722	0	1,002	720	0	1,194	0	691	503	0
228	CUNY Brooklyn C.	1,721	0	1,301	420	0	1,367	0	1,081	286	0
229	C. Charleston	1,705	356	1,285	64	0	821	356	401	64	0
230	CA State U., Fullerton	1,702	0	1,114	588	0	1,102	0	647	455	0
231	U. LA Lafayette	1,689	0	324	1,365	0	490	0	3	487	0
232	Furman U.	1,686	0	1,639	47	0	1,025	0	979	46	0
233	IN U.-Purdue U. Indianapolis	1,648	0	1,154	494	0	859	0	643	216	0
234	Spelman C.	1,646	0	1,417	229	0	1,646	0	1,417	229	0
235	American U.	1,628	0	641	987	0	676	0	93	583	0
236	NC Central U.	1,611	0	107	1,504	0	1,611	0	107	1,504	0
237	TX State U.-San Marcos	1,607	0	756	33	818	1,154	0	366	9	779
238	Hope C.	1,601	33	1,179	389	0	1,311	32	946	333	0
239	Claffin U.	1,568	0	1,568	0	0	1,565	0	1,565	0	0
240	U.S. Military Academy	1,562 i	0 i	1,314 i	248 i	0 i	1,558 i	0 i	1,311 i	247 i	0 i
241	Williams C.	1,529	162	867	394	106	1,181	105	766	310	0
242	East Carolina U.	1,519	0	299	1,220	0	1,429	0	210	1,219	0
243	Wichita State U.	1,515	0	1,493	22	0	1,056	0	1,056	0	0
244	U. Richmond	1,514	0	995	519	0	1,218	0	761	457	0
245	CUNY C. Staten Island	1,483	0	1,456	1	26	394	0	371	1	22
246	St. Louis U.	1,477	0	1,280	197	0	1,151	0	954	197	0
247	Calvin C.	1,449	0	1,351	98	0	1,005	0	961	44	0
248	Southern U. Baton Rouge	1,428	0	567	861	0	1,368	0	567	801	0
249	Marquette U.	1,427	0	1,353	74	0	1,132	0	1,059	73	0
250	CA Polytechnic State U., San Luis Obispo	1,378	0	185	986	207	1,175	0	145	866	164
251	CUNY Queens C.	1,362	0	911	451	0	1,126	0	806	320	0
252	Fayetteville State U.	1,276	0	1,276	0	0	1,276	0	1,276	0	0
253	Rutgers, the State U. NJ-Newark	1,273	0	938	335	0	991	0	720	271	0
254	Boise State U.	1,225	0	393	832	0	1,100	0	359	741	0
255	Rose-Hulman Institute of Technology	1,209	0	275	934	0	1,049	0	183	866	0
256	Bryn Mawr C.	1,187	0	686	501	0	380	0	182	198	0
257	Chapman U.	1,181	0	665	516	0	931	0	573	358	0
258	U. WI-Stevens Point	1,168	0	82	90	996	1,034	0	3	77	954

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
259	Skidmore C.	1,149	0	123	12	1,014	998	0	88	0	910
260	IL State U.	1,136	0	985	151	0	843	0	737	106	0
261	U. North FL	1,109	0	0	1,109	0	1,016	0	0	1,016	0
262	Grinnell C.	1,068	0	991	77	0	802	0	802	0	0
263	Amherst C.	1,053	0	694	359	0	361	0	106	255	0
264	Oberlin C.	1,049	0	730	319	0	892	0	619	273	0
265	U. WI-La Crosse	1,026	0	950	76	0	805	0	748	57	0
266	Western WA U.	1,016	227	789	0	0	487	93	394	0	0
267	Embry-Riddle Aeronautical U.	1,013	0	0	672	341	895	0	0	554	341
268	Haverford C.	1,003 i	147 i	627 i	229 i	0 i	495	67	236	192	0
269	Trinity U.	999	0	950	49	0	644	0	597	47	0
270	Grambling State U.	993	0	391	123	479	993	0	391	123	479
271	CA State U., Long Beach	986	0	842	144	0	808	0	687	121	0
272	CA State U., Sacramento	986	35	928	23	0	860	0	860	0	0
273	NM Highlands U.	980	0	980	0	0	793	0	793	0	0
274	Northern AZ U.	967	539	415	11	2	644	423	209	11	1
275	CT C.	964	0	838	126	0	620	0	539	81	0
276	Armstrong Atlantic State U.	960	0	960	0	0	960	0	960	0	0
277	TX Southern U.	946	0	0	946	0	59	0	0	59	0
278	TX A&M U.-Commerce	942	0	592	350	0	674	0	431	243	0
279	Franklin & Marshall C.	941	239	665	37	0	621	239	382	0	0
280	Harvey Mudd C.	937	0	690	247	0	812	0	599	213	0
281	U. WI-Eau Claire	934	5	831	4	94	689	2	683	4	0
282	U. MA Boston	932	0	688	244	0	716	0	481	235	0
283	Hamilton C.	931	0	598	333	0	412	0	292	120	0
284	U. TX of the Permian Basin	926	0	300	626	0	322	0	0	322	0
285	Clark U.	925	0	548	377	0	714	0	395	319	0
286	U. of the Sciences Philadelphia	920	0	536	0	384	298	0	298	0	0
287	Union C. (Schenectady, NY)	913	0	691	169	53	799	0	630	169	0
288	Prairie View A&M U.	894	358	320	216	0	685	358	217	110	0
289	Santa Clara U.	889	0	616	273	0	809	0	592	217	0
290	Bucknell U.	881	0	580	292	9	497	0	309	188	0
291	TN State U.	842	518	79	85	160	354	53	56	85	160
292	Haskell Indian Nations U.	841	0	0	0	841	841	0	0	0	841
293	Morgan State U.	839	0	767	72	0	802	0	767	35	0
294	Wellesley C.	839	294	305	240	0	723	292	191	240	0
295	Worcester Polytechnic Institute	830	0	655	175	0	594	0	488	106	0



TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
296	Elizabeth City State U.	821	0	821	0	0	821	0	821	0	0
297	Villanova U.	811 i	467 i	273 i	71 i	0 i	463 i	266 i	156 i	41 i	0 i
298	GA Southern U.	805	132	529	118	26	670	132	455	57	26
299	James Madison U.	799	0	317	482	0	650	0	189	461	0
300	U. CO Colorado Springs	798	0	52	731	15	639	0	14	610	15
301	Sam Houston State U.	796	0	761	35	0	636	0	636	0	0
302	Siena C.	787	0	74	713	0	771	0	58	713	0
303	Stevens Institute of Technology	781	0	0	781	0	781	0	0	781	0
304	Polytechnic U.	776	0	0	776	0	484	0	0	484	0
305	SD School of Mines and Technology	771	0	633	138	0	699	0	561	138	0
306	U. South AL	771	0	596	175	0	576	0	410	166	0
307	Central MI U.	764	0	374	390	0	503	0	206	297	0
308	Lincoln U. (Jefferson City, MO)	748	0	0	748	0	748	0	0	748	0
309	Cleveland State U.	742	0	665	77	0	269	0	256	13	0
310	Swarthmore C.	733	86	390	257	0	392	64	129	199	0
311	Mt. Holyoke C.	727	0	515	212	0	511	0	338	173	0
312	Whitman C.	722	1	386	0	335	387	1	386	0	0
313	U. CO Denver and Health Sciences Ctr.	702	263	88	311	40	662	263	79	311	9
314	Creighton U.	690 i	0 i	308 i	382 i	0 i	605	0	265	340	0
315	U. Central AR	674	0	663	11	0	629	0	621	8	0
316	U. of the Pacific	671	0	575	96	0	658	0	562	96	0
317	Washington and Lee U.	662	0	394	268	0	394	0	394	0	0
318	Loyola U. Chicago	648	0	648	0	0	534	0	534	0	0
319	Colby C.	636	0	509	127	0	527	0	435	92	0
320	Macalester C.	631	80	402	149	0	228	0	143	85	0
321	Colgate U.	628	95	257	276	0	493	69	219	205	0
322	Carleton C.	621	81	219	321	0	264	81	50	133	0
323	Eastern MI U.	608	0	592	16	0	501	0	485	16	0
324	Lawrence U.	606	0	479	127	0	581	0	455	126	0
325	DePaul U.	604	0	202	402	0	565	0	195	370	0
326	Christopher Newport U.	593	0	0	593	0	591	0	0	591	0
327	SUNY C. Geneseo	593	0	102	491	0	343	0	0	343	0
328	Occidental C.	591	0	216	375	0	263	0	27	236	0
329	Pomona C.	591	81	405	105	0	154	50	66	38	0
330	FL Gulf Coast U.	589	47	542	0	0	585	43	542	0	0
331	Towson U.	588	41	449	98	0	556	41	417	98	0
332	Northern KY U.	587	0	458	129	0	344	0	240	104	0
333	Bates C.	581	0	271	246	64	300	0	151	85	64

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
334	Morehouse C.	579	0	413	147	19	579	0	413	147	19
335	Fairfield U.	578	0	305	273	0	205	0	44	161	0
336	Dillard U.	568	0	465	103	0	102	0	88	14	0
337	Pace U.	558	0	506	52	0	52	0	0	52	0
338	Abilene Christian U.	556	0	0	556	0	537	0	0	537	0
339	Smith C.	550	12	466	72	0	492	9	425	58	0
340	Seton Hall U.	531	6	525	0	0	0	0	0	0	0
341	New C. FL	529	0	95	434	0	470	0	53	417	0
342	Middlebury C.	522	87	384	51	0	522	87	384	51	0
343	Barnard C.	519	0	270	249	0	471	0	227	244	0
344	U. TX Pan American	516	0	283	233	0	229	0	14	215	0
345	TX Christian U.	512	0	338	174	0	213	0	64	149	0
346	Kennesaw State U.	510	0	510	0	0	330	0	330	0	0
347	C. of the Holy Cross	498	0	475	23	0	418	0	418	0	0
348	Seattle U.	498	0	435	63	0	148	0	108	40	0
349	Middle TN State U.	496	0	495	1	0	261	0	261	0	0
350	U. San Diego	496	0	459	37	0	362	0	325	37	0
351	Murray State U.	491	0	373	118	0	320	0	250	70	0
352	U. Houston-Downtown	488	0	46	0	442	431	0	0	0	431
353	Claremont McKenna C.	485	5	480	0	0	480	0	480	0	0
354	St. John's U. (Jamaica, NY)	483	0	483	0	0	216	0	216	0	0
355	Appalachian State U.	451	230	221	0	0	328	171	157	0	0
356	C. Wooster	437	0	282	155	0	167	0	104	63	0
357	CUNY John Jay C. of Criminal Justice	420	0	95	325	0	406	0	81	325	0
358	Agnes Scott C.	411	60	233	118	0	366	50	216	100	0
359	MT Tech of the U. MT	411	0	411	0	0	411	0	411	0	0
360	U. Northern IA	411	0	265	146	0	85	0	80	5	0
361	Valparaiso U.	408	112	17	279	0	217	66	0	151	0
362	Ithaca C.	403	0	80	323	0	199	0	0	199	0
363	Morehead State U.	403	403	0	0	0	225	225	0	0	0
364	Marshall U.	400	0	282	118	0	299	0	214	85	0
365	Coe C.	396	0	38	358	0	322	0	0	322	0
366	SUNY C. Potsdam	388	0	388	0	0	364	0	364	0	0
367	Gonzaga U.	386	0	386	0	0	341	0	341	0	0
368	U. AR Pine Bluff	383	0	383	0	0	295	0	295	0	0
369	East TN State U.	382	242	117	23	0	299	183	116	0	0
370	Hampshire C.	374	14	0	15	345	338	13	0	14	311

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
371	Southeastern LA U.	373	0	105	268	0	101	0	2	99	0
372	IN U. South Bend	370	0	50	320	0	231	0	0	231	0
373	U. NE Kearney	358	0	277	78	3	198	0	195	0	3
374	Purdue U. Calumet	354	0	354	0	0	240	0	240	0	0
375	Chicago State U.	345	0	345	0	0	345	0	345	0	0
376	SC State U.	342	0	0	0	342	341	0	0	0	341
377	Stephen F. Austin State U.	340	0	340	0	0	0	0	0	0	0
378	TX A&M International U.	329	0	19	310	0	301	0	0	301	0
379	U. West GA	322	0	206	116	0	91	0	60	31	0
380	Drake U.	317	0	74	228	15	225	0	0	225	0
381	Augustana C. (Sioux Falls, SD)	315	0	215	100	0	298	0	215	83	0
382	C. NJ, The	313	0	281	32	0	248	0	248	0	0
383	Concordia C.	304	0	196	108	0	255	0	152	103	0
384	Grand Valley State U.	299	97	144	55	3	126	0	78	48	0
385	MN State U. Mankato	297	0	295	2	0	244	0	244	0	0
386	Trinity C. (Hartford, CT)	295	0	49	246	0	255	0	18	237	0
387	Washington and Jefferson C.	294	0	294	0	0	155	0	155	0	0
388	Ball State U.	293	0	197	96	0	199	0	150	49	0
389	Albany State U.	290	0	290	0	0	276	0	276	0	0
390	Willamette U.	290	0	240	50	0	170	0	170	0	0
391	Denison U.	284 i	0 i	36 i	248 i	0 i	242 i	0 i	0 i	242 i	0 i
392	CA State U., Chico	283	0	57	156	70	220	0	0	156	64
393	Fordham U.	282	0	52	230	0	59	0	22	37	0
394	Millsaps C.	282	0	282	0	0	0	0	0	0	0
395	U. MD Eastern Shore	282	0	282	0	0	195	0	195	0	0
396	Central WA U.	281	0	180	101	0	203	0	123	80	0
397	Tuskegee U.	281	0	135	146	0	216	0	114	102	0
398	Wilkes U.	279	0	279	0	0	265	0	265	0	0
399	St. Olaf C.	278	0	31	247	0	239	0	1	238	0
400	U. NE Omaha	266	0	129	137	0	126	0	78	48	0
401	U. MI-Dearborn	260	0	0	0	260	0	0	0	0	0
402	Weber State U.	255	0	167	88	0	79	0	13	66	0
403	Black Hills State U.	254	0	37	217	0	179	0	28	151	0
404	CA State U., Bakersfield	254	0	110	144	0	100	0	0	100	0
405	Vassar C.	254	0	123	131	0	254	0	123	131	0
406	Lafayette C.	253	0	229	24	0	228	0	204	24	0
407	CUNY Herbert H. Lehman C.	251 i	0 i	17 i	234 i	0 i	204 i	0 i	0 i	204 i	0 i
408	SUNY C. Plattsburgh	251	0	0	251	0	158	0	0	158	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
409	TX A&M U.-Kingsville	250	0	157	93	0	192	0	118	74	0
410	SUNY Fredonia	248	0	248	0	0	70	0	70	0	0
411	Coastal Carolina U.	246	0	245	0	1	56	0	55	0	1
412	Hobart and William Smith Colleges	245	0	135	105	5	205	0	100	105	0
413	Niagara U.	244	0	244	0	0	0	0	0	0	0
414	Lewis & Clark C.	243	38	118	87	0	105	0	58	47	0
415	U. Portland	243	0	30	213	0	0	0	0	0	0
416	Gettysburg C.	242	0	0	242	0	235	0	0	235	0
417	Yeshiva U.	241	0	0	241	0	241	0	0	241	0
418	CA State U., San Bernardino	240	68	172	0	0	68	68	0	0	0
419	Western IL U.	240	0	240	0	0	235	0	235	0	0
420	IL Wesleyan U.	237	0	166	71	0	124	0	124	0	0
421	OH Wesleyan U.	232	0	24	208	0	178	0	0	178	0
422	MA C. of Pharmacy and Health Sciences	229	0	229	0	0	35	0	35	0	0
423	Southwestern OK State U.	229	0	229	0	0	209	0	209	0	0
424	Reed C.	228	0	172	56	0	49	0	49	0	0
425	U. Dayton	227	0	88	139	0	124	0	17	107	0
426	Western Carolina U.	225	0	225	0	0	74	0	74	0	0
427	U. Detroit Mercy	224	0	216	8	0	163	0	163	0	0
428	U. WI-Platteville	224	0	224	0	0	0	0	0	0	0
429	U. WI-River Falls	224	0	12	212	0	125	0	0	125	0
430	Roanoke C.	223 i	0 i	223 i	0 i	0 i	75 i	0 i	75 i	0 i	0 i
431	CA State U., Fresno	220	0	10	175	35	124	0	0	124	0
432	Ursinus C.	218	0	139	79	0	92	0	13	79	0
433	U. NC Asheville	217	133	27	0	57	176	92	27	0	57
434	TN Technological U.	216	0	77	139	0	180	0	52	128	0
435	Shaw U.	212 i	0 i	0 i	0 i	212 i	212 i	0 i	0 i	0 i	212 i
436	Dickinson C.	211	5	47	159	0	141	5	4	132	0
437	Rhodes C.	206	0	92	114	0	194	0	80	114	0
438	U. PR Cayey	206	0	181	25	0	192	0	167	25	0
439	SUNY C. Buffalo	205	0	0	205	0	163	0	0	163	0
440	Allegheny C.	203	0	102	101	0	173	0	79	94	0
441	Wheeling Jesuit U.	203	203	0	0	0	203	203	0	0	0
442	TX Woman's U.	202	0	202	0	0	44	0	44	0	0
443	Miami U.	201	0	0	201	0	142	0	0	142	0
444	Roger Williams U.	200	0	200	0	0	182	0	182	0	0
445	Gustavus Adolphus C.	198	0	126	72	0	93	0	23	70	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
446	William Paterson U. NJ	198	0	153	45	0	0	0	0	0	0
447	St. Mary's C. MD	197	0	71	126	0	166	0	46	120	0
448	Loyola U. New Orleans	191	0	188	3	0	101	0	101	0	0
449	Lamar U.	190	0	190	0	0	38	0	38	0	0
450	Davidson C.	189	0	19	170	0	135	0	0	135	0
451	DePauw U.	189	7	120	62	0	88	0	57	31	0
452	Southeastern OK State U.	189	0	189	0	0	171	0	171	0	0
453	Hofstra U.	187	5	1	181	0	176	5	0	171	0
454	Bowdoin C.	181	69	69	43	0	109	56	10	43	0
455	North GA C. & State U.	176	0	40	136	0	176	0	40	136	0
456	CO C.	175	0	123	52	0	150	0	103	47	0
457	LA State U. Shreveport	175	0	175	0	0	161	0	161	0	0
458	Kalamazoo C.	174	0	112	62	0	36	0	36	0	0
459	VA Military Institute	174	0	159	15	0	82	0	82	0	0
460	Goucher C.	171	0	144	27	0	171	0	144	27	0
461	U. WI-Oshkosh	166	21	132	13	0	103	21	80	2	0
462	Montclair State U.	164	0	164	0	0	55	0	55	0	0
463	Eastern WA U.	157	0	157	0	0	0	0	0	0	0
464	Ft. Valley State U.	157	0	157	0	0	157	0	157	0	0
465	Indiana U. PA	157	0	116	40	1	96	0	82	14	0
466	Juniata C.	156	0	62	94	0	43	0	0	43	0
467	CA State U., East Bay	155	0	98	57	0	119	0	62	57	0
468	Wabash C.	155	0	128	27	0	92	0	65	27	0
469	Loyola Marymount U.	154	0	113	41	0	82	0	54	28	0
470	Eastern IL U.	153	0	148	5	0	91	0	91	0	0
471	SUNY C. Old Westbury	153 i	0 i	153 i	0 i	0 i	80 i	0 i	80 i	0 i	0 i
472	Augustana C. (Rock Island, IL)	149	0	138	11	0	64	0	64	0	0
473	Northeastern State U.	146	0	146	0	0	115	0	115	0	0
474	St. Michael's C.	146	12	134	0	0	114	12	102	0	0
475	Eastern OR U.	144	0	129	15	0	101	0	98	3	0
476	KY State U.	143	0	0	0	143	143	0	0	0	143
477	TX A&M U.-Corpus Christi	143	0	63	0	80	93	0	23	0	70
478	West Chester U. PA	143 i	143 i	0 i	0 i	0 i	143 i	143 i	0 i	0 i	0 i
479	CA State U., Dominguez Hills	141	64	29	48	0	139	64	27	48	0
480	CUNY Medgar Evers C.	141	0	0	0	141	141	0	0	0	141
481	U. NC Pembroke	137	4	133	0	0	4	4	0	0	0
482	U. Northern CO	137	0	76	61	0	75	0	37	38	0
483	NJ City U.	135	0	135	0	0	132	0	132	0	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
484	Eastern KY U.	134	3	131	0	0	85	0	85	0	0
485	Long Island U.	131 i	0 i	131 i	0 i	0 i	125 i	0 i	125 i	0 i	0 i
486	Pacific Lutheran U.	131	0	131	0	0	95	0	95	0	0
487	Rowan U.	131	0	15	116	0	131	0	15	116	0
488	Mercer U.	128	0	125	3	0	0	0	0	0	0
489	Central State U.	127	0	127	0	0	127	0	127	0	0
490	McNeese State U.	127	0	100	27	0	19	0	7	12	0
491	Muhlenberg C.	125	0	84	41	0	41	0	0	41	0
492	Elizabethtown C.	124 i	0 i	124 i	0 i	0 i	66	0	66	0	0
493	PA State U. Berks	123	25	76	22	0	123	25	76	22	0
494	IN U. Southeast	121	0	0	0	121	12	0	0	0	12
495	CUNY Baruch C.	120	0	7	113	0	108	0	0	108	0
496	Pittsburg State U.	119	0	40	79	0	94	0	15	79	0
497	Angelo State U.	116	0	28	88	0	59	0	0	59	0
498	U. Houston-Clear Lake	115	0	91	24	0	0	0	0	0	0
499	Hendrix C.	114	0	100	14	0	0	0	0	0	0
500	U. DC	112	0	112	0	0	56	0	56	0	0
501	CO State U. Pueblo	111	0	97	14	0	76	0	62	14	0
502	Jacksonville U.	111	0	111	0	0	9	0	9	0	0
503	St. Bonaventure U.	108	0	108	0	0	108	0	108	0	0
504	U. Southern ME	108	11	97	0	0	97	0	97	0	0
505	Luther C.	102	0	30	72	0	69	0	0	69	0
506	PA State U. Worthington-Scranton	102	0	51	51	0	0	0	0	0	0
507	St. Cloud State U.	102	0	44	58	0	55	0	0	55	0
508	Truman State U.	101	19	58	24	0	50	15	35	0	0
509	U. Redlands	101	101	0	0	0	100	100	0	0	0
510	U. of St. Thomas (St. Paul, MN)	100	0	45	55	0	19	0	0	19	0
511	Northwestern State U.	98	0	98	0	0	44	0	44	0	0
512	SUNY C. Brockport	98	0	94	4	0	93	0	89	4	0
513	Benedict C.	97	0	97	0	0	97	0	97	0	0
514	CA State Polytechnic U., Pomona	96	93	3	0	0	96	93	3	0	0
515	Frostburg State U.	96	0	0	96	0	0	0	0	0	0
516	IN State U.	96	0	17	79	0	93	0	15	78	0
517	U. MN Morris	96	0	3	93	0	94	0	1	93	0
518	Benedictine U.	91	0	77	14	0	16	0	16	0	0
519	St. John's U. (Collegeville, MN)	85	0	68	17	0	0	0	0	0	0
520	PA State U. Erie, The Behrend C.	83	0	41	42	0	0	0	0	0	0

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
521	Seattle Pacific U.	82	0	82	0	0	57	0	57	0	0
522	Lincoln U. of the Commonwealth of PA	79	0	0	79	0	79	0	0	79	0
523	Saginaw Valley State U.	78	0	76	2	0	0	0	0	0	0
524	Adelphi U.	76	0	0	76	0	76	0	0	76	0
525	Jarvis Christian C.	76	0	76	0	0	60	0	60	0	0
526	U. TN Chattanooga	76	0	69	7	0	31	0	27	4	0
527	Mesa State C.	75	0	31	0	44	44	0	28	0	16
528	Kettering U.	74	1	20	53	0	35	0	0	35	0
529	U. Hartford	74	0	0	74	0	74	0	0	74	0
530	CUNY New York City C. of Technology	69	0	1	68	0	47	0	0	47	0
531	Evergreen State C.	68	68	0	0	0	68	68	0	0	0
532	Ft. Lewis C.	67	0	25	42	0	32	0	0	32	0
533	Universidad del Turabo	65	0	65	0	0	0	0	0	0	0
534	U. WI-Parkside	65	0	65	0	0	58	0	58	0	0
535	U. MI-Flint	62	29	33	0	0	29	29	0	0	0
536	Bridgewater State C.	61	0	8	53	0	53	0	0	53	0
537	Milwaukee School of Engineering	61	0	0	61	0	39	0	0	39	0
538	Lake Forest C.	59 i	0 i	48 i	11 i	0 i	0	0	0	0	0
539	SUNY New Paltz	59	0	59	0	0	13	0	13	0	0
540	Rutgers, the State U. NJ-Camden	57	0	1	56	0	57	0	1	56	0
541	Mercyhurst C.	56	0	42	14	0	0	0	0	0	0
542	PA State U. Altoona	56	0	28	28	0	0	0	0	0	0
543	St. Joseph's U.	55	0	55	0	0	0	0	0	0	0
544	U. SC Beaufort	55 i	0 i	18 i	33 i	4 i	38 i	0 i	12 i	22 i	4 i
545	Nicholls State U.	54	11	43	0	0	28	0	28	0	0
546	OH Northern U.	54	1	53	0	0	9	0	9	0	0
547	SUNY C. Oneonta	54	0	0	28	26	50	0	0	27	23
548	U. Puget Sound	53	0	53	0	0	1	0	1	0	0
549	U. West FL	53	0	0	0	53	0	0	0	0	0
550	Sinte Gleska U.	52	2	0	0	50	52	2	0	0	50
551	U. Scranton	49	0	28	21	0	0	0	0	0	0
552	SUNY C. Oswego	46	0	1	45	0	45	0	0	45	0
553	U. LA Monroe	46	0	45	1	0	0	0	0	0	0
554	Midwestern State U.	45	0	45	0	0	0	0	0	0	0
555	PA State U. Beaver	45	0	45	0	0	0	0	0	0	0
556	West TX A&M U.	44	0	20	0	24	0	0	0	0	0
557	Humboldt State U.	43	12	31	0	0	31	0	31	0	0
558	MS Valley State U.	43	0	0	0	43	15	0	0	0	15

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
559	IN U.-Purdue U. Ft. Wayne	42	0	29	13	0	25	0	24	1	0
560	Tarleton State U.	41	0	27	14	0	0	0	0	0	0
561	Alfred U.	36	9	27	0	0	36	9	27	0	0
562	Simmons C.	35	0	0	35	0	35	0	0	35	0
563	U.S. Coast Guard Academy	34	0	3	31	0	28	0	0	28	0
564	Sonoma State U.	33	0	0	33	0	33	0	0	33	0
565	U. AK Anchorage	31	0	31	0	0	0	0	0	0	0
566	U. WI-Whitewater	31	19	0	12	0	30	18	0	12	0
567	Bradley U.	30	0	29	1	0	0	0	0	0	0
568	Central CT State U.	30	0	15	15	0	0	0	0	0	0
569	CA State U., San Marcos	28	0	0	28	0	0	0	0	0	0
570	CUNY Graduate Ctr.	28	0	0	28	0	0	0	0	0	0
571	Providence C.	28	0	28	0	0	12	0	12	0	0
572	LeTourneau U.	27	0	27	0	0	0	0	0	0	0
573	Rider U.	27	0	27	0	0	8	0	8	0	0
574	Northern MI U.	25	0	17	8	0	0	0	0	0	0
575	Salisbury U.	25	0	25	0	0	6	0	6	0	0
576	U. WI-Stout	25	0	23	2	0	4	0	4	0	0
577	U. SC Aiken	24 i	0 i	16 i	8 i	0 i	12 i	0 i	7 i	5 i	0 i
578	Canisius C.	23	0	23	0	0	23	0	23	0	0
579	Purdue U. North Central	20	0	20	0	0	11	0	11	0	0
580	U. South FL Polytechnic	20	0	20	0	0	0	0	0	0	0
581	Wilberforce U.	19	0	19	0	0	0	0	0	0	0
582	Andrews U.	18	0	13	5	0	14	0	9	5	0
583	Millersville U. PA	18	0	17	0	1	0	0	0	0	0
584	U. SC Upstate	16 i	0 i	11 i	5 i	0 i	0 i	0 i	0 i	0 i	0 i
585	John Carroll U.	15	0	0	15	0	0	0	0	0	0
586	Wiley C.	15	0	15	0	0	0	0	0	0	0
587	Eckerd C.	14	0	7	7	0	14	0	7	7	0
588	PA State U. Harrisburg	14	0	7	7	0	0	0	0	0	0
589	Northeastern IL U.	13	0	0	13	0	13	0	0	13	0
590	St. Joseph's C. (Standish, ME)	12	0	12	0	0	12	0	12	0	0
591	TX A&M U. System Health Science Ctr.	12	0	12	0	0	12	0	12	0	0
592	U. New England	10	0	10	0	0	10	0	10	0	0
593	Marist C.	9 i	0 i	9 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
594	SUNY C. Cortland	9	0	9	0	0	0	0	0	0	0
595	Winona State U.	9	0	9	0	0	0	0	0	0	0



TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
596	U. IL Springfield	8	7	1	0	0	8	7	1	0	0
597	Mills C.	7	0	7	0	0	0	0	0	0	0
598	U. Central OK	7	0	7	0	0	0	0	0	0	0
599	Gallaudet U.	6	0	5	1	0	1	0	0	1	0
600	MT State U. Billings	6	0	0	6	0	0	0	0	0	0
601	Savannah State U.	5	0	5	0	0	0	0	0	0	0
602	VA State U.	5	0	5	0	0	0	0	0	0	0
603	Salish Kootenai C.	3	3	0	0	0	3	3	0	0	0
604	La Salle U.	2	0	2	0	0	0	0	0	0	0
605	Southern OR U.	2	0	0	2	0	2	0	0	2	0
606	Arcadia U.	1	0	1	0	0	1	0	1	0	0
607	Loyola C.	1	0	1	0	0	1	0	1	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$140,401 in total and \$139,289 in federally financed R&D expenditures in physical sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.