

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
All institutions	-	7,978,816	1,008,407	265,345	1,398,169	172,278	688,996	58,674	82,686	111,293	4,116,469	76,499
Johns Hopkins U. <sup>a</sup>	1	1,476,638	201,905	15,739	74,722	108,423	194,633	129	3,965	56,531	820,591	0
Georgia Institute of Technology	2	694,431	103,556	1,057	188	24	2,638	837	1,566	0	576,016	8,549
Pennsylvania State U., University Park and Hershey Medical Center	3	274,204	43,196	4,294	3,666	9,022	15,704	307	1,369	0	192,902	3,744
U. Texas, Austin	4	211,424	40,420	131	4,438	1,145	35,889	277	158	17	128,422	527
U. Dayton	5	192,587	9,845	312	224	0	466	0	0	0	181,381	359
Uniformed Services U. of the Health Sciences	6	182,363	0	0	168,254	0	0	14,109	0	0	0	0
Massachusetts Institute of Technology	7	135,575	36,942	762	5,195	879	14,994	117	61	612	75,466	547
Utah State U.	8	131,862	63	0	1,923	0	488	0	34	0	129,101	253
U. Maryland <sup>b</sup>	9	130,164	18,131	455	23,696	819	17,291	444	11,909	20,505	36,842	72
U. Southern California	10	122,075	80,573	0	8,095	112	3,992	340	813	0	27,750	400
Carnegie Mellon U.	11	111,193	67,332	0	223	1,632	742	1,313	986	55	38,859	51
U. Washington, Seattle	12	108,842	5,585	31,288	31,493	1,024	4,582	813	292	0	33,072	693
U. California, San Diego	13	104,632	460	44,711	19,683	78	8,260	1,916	931	15	28,309	269
Colorado State U., Fort Collins	14	100,464	1,031	2,818	87,083	385	570	144	3,358	282	4,793	0
U. Michigan, Ann Arbor	15	82,277	432	161	17,107	521	4,319	189	3,238	0	56,310	0
U. Alabama, Huntsville	16	80,980	49,554	405	47	6	581	68	837	0	29,464	18
Stanford U.	17	75,608	7,877	1,790	18,720	986	17,463	563	1,059	0	26,766	384
Purdue U., West Lafayette	18	70,926	5,628	0	2,134	192	4,005	58	0	14	56,207	2,688
Wichita State U.	19	68,495	0	0	0	0	0	0	0	0	67,276	1,219
U. Illinois, Urbana-Champaign	20	62,791	14,836	191	4,072	82	6,924	271	318	123	35,122	852
Duke U.	21	62,529	1,032	2,524	34,764	718	888	44	281	0	22,263	15
George Mason U.	22	59,544	11,559	1,637	2,780	1,461	1,467	259	386	0	37,922	2,073
U. Pittsburgh, Pittsburgh	23	58,347	2,560	26	43,415	583	4,197	0	109	246	7,113	98
Harvard U.	24	57,929	3,375	365	15,766	213	20,862	197	4,445	0	12,706	0
U. Pennsylvania	25	57,657	11,346	132	13,631	593	5,608	2,115	4,326	0	18,686	1,220
Virginia Polytechnic Institute and State U.	26	56,414	2,393	0	2,298	3,677	1,781	0	0	58	38,927	7,280
U. California, Los Angeles	27	55,336	3,391	1,542	19,236	3,096	2,843	66	1,170	477	23,163	352
Columbia U. in the City of New York	28	53,738	12,887	1,213	17,683	30	3,958	213	410	0	17,326	18
Texas A&M U., College Station and Health Science Center	29	52,870	3,660	785	11,471	220	356	0	1,552	5	34,287	534
Northwestern U.	30	50,435	2,117	0	27,058	0	8,540	156	89	44	11,256	1,175
Cornell U.	31	49,918	6,804	81	11,410	0	13,722	184	367	0	17,350	0
U. California, San Francisco	32	49,573	0	0	44,582	0	4,991	0	0	0	0	0

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## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. California, Berkeley	33	48,175	0	0	3,842	645	11,592	699	298	2,008	29,084	7
SUNY, U. Buffalo	34	47,799	791	0	5,222	30	1,325	0	0	0	40,431	0
U. Florida	35	47,390	2,391	66	18,003	181	333	103	1,743	0	24,570	0
Ohio State U.	36	45,916	945	561	16,253	175	2,781	164	183	568	23,516	770
Woods Hole Oceanographic Institution	37	44,908	0	12,771	0	0	0	0	0	0	32,137	0
U. Alaska, Fairbanks	38	44,132	0	36,261	441	0	2,035	0	0	1,923	3,409	63
Arizona State U.	39	43,855	8,631	235	2,115	343	2,045	938	1,314	6,113	21,288	833
U. California, Santa Barbara	40	42,985	2,942	750	247	330	9,515	415	140	0	28,396	250
Naval Postgraduate School	41	42,875	4,702	3,825	704	2,056	4,668	40	4,261	5,020	13,346	4,253
U. Wisconsin-Madison	42	42,075	2,127	1,902	8,856	691	5,314	83	0	1,513	21,509	80
U. Colorado Boulder	43	38,946	3,510	1,773	1,158	77	15,059	130	0	0	17,239	0
Montana State U., Bozeman	44	38,791	550	122	2,577	80	3,267	0	0	0	25,246	6,949
Vanderbilt U. and Vanderbilt U. Medical Center	45	37,196	5,803	24	17,911	2	0	0	0	0	13,456	0
U. Minnesota, Twin Cities	46	36,190	700	0	14,940	832	807	246	303	0	18,216	146
U. Virginia, Charlottesville	47	36,141	10,408	43	9,480	55	1,371	132	465	85	13,702	400
U. Hawaii, Manoa	48	35,803	14,804	5,263	1,319	0	2,823	0	0	0	11,594	0
U.S. Air Force Academy	49	35,311	150	97	244	423	2,175	0	0	0	32,222	0
U. Arizona	50	34,437	5,119	365	7,646	78	3,265	335	498	0	17,131	0
U. Notre Dame	51	34,222	1,951	0	3,864	175	790	43	0	2,164	25,235	0
U. Central Florida	52	33,878	10,222	0	1,064	0	12,455	2,503	286	0	7,140	208
Yale U.	53	33,555	1,840	97	14,413	232	10,764	431	40	0	5,738	0
Mississippi State U.	54	33,169	3,230	0	481	0	93	198	1,729	0	27,418	20
North Carolina State U.	55	32,063	2,525	325	3,293	1,229	1,871	0	308	7,288	15,218	6
Northeastern U.	56	30,725	3,715	0	615	0	1,127	302	1,009	0	23,264	693
Mercer U.	57	30,267	0	0	0	0	0	0	0	333	29,934	0
Air Force Institute of Technology	58	29,403	1,794	735	0	149	7,538	0	0	0	19,187	0
Princeton U.	59	29,379	2,811	75	1,375	869	4,431	474	576	0	18,768	0
California Institute of Technology	60	28,973	4,140	825	2,938	0	12,713	0	0	0	8,145	212
Stevens Institute of Technology	61	28,280	1,654	0	168	313	200	0	0	0	25,941	4
U. Tennessee, Knoxville	62	27,848	530	150	6,724	139	1,046	0	136	1,519	17,341	263
U. California, Davis	63	27,617	516	117	12,659	259	827	0	887	0	12,188	164
U. Maine	64	26,804	0	32	13	0	75	0	0	0	26,656	28
U. Miami	65	26,703	0	13,353	11,007	0	407	1,199	0	0	737	0

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## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. North Carolina, Chapel Hill	66	26,622	1,946	818	19,578	209	2,668	0	326	0	852	225
SUNY, Polytechnic Institute	67	26,605	0	0	0	0	0	0	0	0	26,605	0
U. Utah	68	26,133	2,934	374	9,627	0	2,853	2,513	1,916	0	5,869	47
U. Chicago	69	26,106	1,857	0	3,725	844	9,187	350	398	0	9,745	0
U. Delaware	70	25,879	674	3,276	1,660	331	2,660	469	0	0	16,761	48
New Mexico Institute of Mining and Technology	71	25,843	12,269	13	0	0	567	0	0	0	12,971	23
Washington U., Saint Louis	72	24,820	930	58	20,453	102	1,165	353	13	0	1,746	0
Florida International U.	73	24,093	1,606	623	1,863	39	9,460	0	1,447	0	9,055	0
U. Alabama, Birmingham	74	24,013	142	0	11,439	0	83	114	0	0	12,235	0
U. Massachusetts, Lowell	75	23,720	2,706	494	921	0	6,944	0	119	0	11,691	845
Rice U.	76	23,480	1,381	66	820	562	2,929	1,131	0	0	16,475	116
U. New Mexico	77	22,576	428	266	5,182	0	1,990	62	241	270	14,137	0
U. Connecticut	78	22,079	243	432	3,039	245	875	0	0	0	17,245	0
New Mexico State U.	79	22,026	55	0	5,051	95	1,368	0	0	0	15,457	0
Icahn School of Medicine at Mount Sinai	80	21,977	0	0	21,977	0	0	0	0	0	0	0
Indiana U., Bloomington	81	21,934	4,916	238	12,849	76	610	718	76	208	989	1,254
Auburn U., Auburn	82	21,851	654	0	1,940	4	367	220	0	75	18,466	125
Florida State U.	83	21,806	467	1,686	548	179	450	3,578	1	0	14,897	0
Boston U.	84	20,741	2,160	280	7,601	293	1,170	223	0	0	9,014	0
Michigan Technological U.	85	20,345	3,905	2,828	0	7	191	0	0	37	13,271	106
Brown U.	86	19,511	4,882	159	3,075	2,933	415	0	179	48	7,820	0
U. Nebraska, central administration	87	19,432	332	0	12,430	0	0	0	0	0	5,846	824
New York U.	88	19,381	3,532	0	6,806	2,124	2,422	572	0	0	3,683	242
U. California, Irvine	89	19,376	3,003	0	7,952	551	1,044	319	74	0	6,406	27
Baylor C. of Medicine	90	19,239	0	0	19,239	0	0	0	0	0	0	0
U.S. Military Academy	91	19,072	6,444	0	130	837	178	774	4,427	0	6,086	196
Oregon State U.	92	19,049	760	4,346	2,215	72	298	71	40	279	10,883	85
U. Colorado Anschutz Medical Campus <sup>c</sup>	93	18,448	0	0	18,448	0	0	0	0	0	0	0
U. Massachusetts, Amherst	94	18,086	6,256	0	1,057	268	330	0	0	0	10,075	100
Louisiana State U., Baton Rouge	95	17,384	12,851	931	1,473	293	389	4	0	0	1,411	32
Case Western Reserve U.	96	17,244	0	0	7,771	0	1,075	0	37	0	8,361	0
U. Iowa	97	16,617	248	0	6,659	11	2,238	0	171	0	6,859	431
Rutgers, State U. New Jersey, New Brunswick	98	16,363	405	736	4,872	368	1,432	0	130	63	8,357	0

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Michigan State U.	99	16,019	1,951	260	2,248	720	3,497	346	39	43	6,180	735
U. Oklahoma, Norman and Health Science Center	100	14,075	181	1,073	2,075	0	1,388	0	443	0	8,905	10
U. Cincinnati	101	13,541	85	0	9,965	108	0	0	222	0	2,990	171
U. Southern Mississippi	102	13,469	92	3,707	297	119	7,687	0	525	0	123	919
SUNY, Stony Brook U.	103	13,272	3,145	149	1,442	336	1,413	33	73	187	6,494	0
U. South Florida <sup>d</sup>	104	12,998	2,387	295	1,593	167	43	84	67	0	7,745	617
U. Missouri, Columbia	105	12,797	1,701	274	2,588	131	2,384	122	5	0	5,592	0
U. Texas, El Paso	106	12,604	348	76	299	63	104	0	0	0	11,714	0
U. Texas, Arlington	107	12,573	21	0	131	0	1,341	168	0	0	10,912	0
U. Illinois, Chicago	108	12,378	1,604	0	5,493	0	497	0	529	0	3,538	717
U. Rochester	109	12,329	411	0	3,207	0	6,010	0	44	111	2,546	0
Tufts U.	110	12,255	685	0	1,517	3,620	733	2,572	0	367	2,761	0
Drexel U.	111	12,246	914	0	1,491	0	0	63	0	0	9,637	141
U. Louisville	112	12,225	35	0	10,691	0	0	0	0	0	1,499	0
U. Texas M. D. Anderson Cancer Center	113	12,224	0	0	11,960	8	0	0	256	0	0	0
Rensselaer Polytechnic Institute	114	12,091	3,255	0	0	145	358	1,764	0	0	5,935	634
Emory U.	115	12,007	170	0	8,639	137	1,802	0	4	0	1,240	15
Wright State U.	116	11,960	4,239	0	1,144	0	323	1,121	0	54	4,970	109
U. Hawaii, system office	117	11,932	0	11,932	0	0	0	0	0	0	0	0
U. Kentucky	118	11,889	807	95	6,005	0	192	1	0	0	4,278	511
George Washington U.	119	11,839	741	0	3,650	14	1,124	161	897	39	5,173	40
Virginia Commonwealth U.	120	11,785	108	0	9,787	25	168	254	0	0	1,442	1
Clemson U.	121	11,729	1,012	0	655	310	185	0	0	0	9,567	0
U. Alabama, Tuscaloosa	122	11,677	193	119	8	0	880	78	30	0	10,315	54
U. Texas, Dallas	123	11,635	2,936	0	1,836	35	1,897	249	0	0	4,682	0
Colorado School of Mines	124	11,603	1,081	122	87	23	1,079	0	0	0	9,211	0
Iowa State U.	125	11,228	435	0	1,442	11	309	0	0	0	8,938	93
Oregon Health and Science U.	126	10,755	0	0	10,628	0	0	0	0	0	127	0
U. Texas Southwestern Medical Center	127	10,629	0	0	10,629	0	0	0	0	0	0	0
New Jersey Institute of Technology	128	10,556	204	0	103	237	416	0	0	0	8,815	781
Dartmouth C. and Dartmouth Hitchcock Medical Center	129	10,250	722	0	2,613	1,866	441	648	161	0	3,799	0
U. California, Riverside	130	9,863	1,010	43	1,605	0	1,039	155	69	0	5,942	0
U. South Carolina, Columbia	131	9,775	138	202	882	296	0	0	277	0	7,894	86

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U. Texas Health Science Center, Houston	132	9,674	0	0	9,674	0	0	0	0	0	0	0
Wake Forest U.	133	9,627	0	0	9,613	0	14	0	0	0	0	0
U. Rhode Island	134	9,281	0	1,436	290	0	813	0	77	278	5,924	463
Temple U.	135	9,238	50	0	3,990	0	3,001	0	15	0	1,322	860
U. California, Santa Cruz	136	9,210	849	2,733	11	0	353	1	108	0	5,155	0
Georgetown U.	137	9,173	1,132	0	7,561	0	0	0	480	0	0	0
U.S. Naval Academy	138	9,152	746	454	0	1,097	1,050	0	0	0	5,805	0
Worcester Polytechnic Institute	139	9,100	993	0	0	488	150	0	0	0	7,435	34
Rochester Institute of Technology	140	8,788	846	0	0	133	2,407	30	0	0	5,372	0
Wayne State U.	141	8,457	128	0	4,295	15	1,794	0	0	0	2,216	9
U. Nebraska, Medical Center	142	8,289	0	0	8,289	0	0	0	0	0	0	0
Missouri State U.	143	8,287	0	0	51	0	0	0	0	0	8,236	0
Washington State U.	144	8,251	971	640	2,282	139	1,342	440	100	0	2,337	0
U. Nevada, Reno	145	8,127	2,561	64	4,100	47	165	117	121	0	916	36
U. Arkansas, Fayetteville	146	8,085	829	111	463	0	1,400	152	0	0	5,087	43
U. Missouri, Kansas City	147	7,934	0	0	138	0	372	0	0	0	7,424	0
Northern Arizona U.	148	7,687	0	0	5,911	0	353	60	0	0	1,363	0
Texas Tech U.	149	7,422	0	241	829	2	320	153	34	0	5,695	148
U. Texas, San Antonio	150	7,398	1,355	757	828	0	1,115	476	146	0	2,721	0
U. Mississippi	151	7,174	0	0	1,170	0	4,199	0	0	0	1,776	29
U. Kansas	152	7,049	728	700	1,611	180	47	570	304	1	2,270	638
U. Massachusetts, Medical School	153	6,900	0	0	6,900	0	0	0	0	0	0	0
Old Dominion U.	154	6,838	314	55	552	0	113	88	156	0	5,444	116
U. Georgia	155	6,816	736	124	2,157	0	449	179	839	0	2,192	140
U. Toledo	156	6,713	0	0	690	0	3,007	0	0	0	2,152	864
Boston C.	157	6,683	0	5,817	0	0	866	0	0	0	0	0
U. North Texas, Denton	158	6,553	436	0	50	0	266	0	0	0	5,801	0
Florida Atlantic U.	159	6,289	81	41	813	167	266	48	0	0	4,862	11
U. Texas Health Science Center, San Antonio	160	6,283	0	0	6,283	0	0	0	0	0	0	0
U. Nebraska, Lincoln	161	6,153	282	113	7	4	3,071	123	192	0	2,361	0
Albert Einstein C. of Medicine	162	5,969	0	0	5,969	0	0	0	0	0	0	0
Missouri U. of Science and Technology	163	5,888	371	0	112	0	554	69	0	0	4,782	0
Medical C. Wisconsin	164	5,874	0	0	5,271	0	0	0	0	0	603	0

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## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

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Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Rowan U.	165	5,845	105	0	0	55	0	0	0	0	5,633	52
CUNY, Advanced Science Research Center	166	5,729	0	26	0	0	5,432	0	0	0	271	0
U. Houston	167	5,695	1,388	0	236	46	509	463	0	0	2,699	354
U. Montana, Missoula	168	5,598	0	0	5,565	0	33	0	0	0	0	0
U. New Hampshire	169	5,544	57	4,019	70	0	30	262	17	0	984	105
Naval War C.	170	5,529	0	0	0	0	0	0	929	0	0	4,600
Oklahoma State U., Stillwater	171	5,213	0	0	508	1	347	0	0	0	4,314	43
Thomas Jefferson U.	172	5,109	0	0	5,032	0	0	0	0	0	77	0
North Dakota State U.	173	5,102	87	0	2	0	2,908	0	0	0	1,992	113
U. Maryland, Baltimore County	174	4,748	3,237	9	83	0	742	0	0	0	677	0
San Diego State U.	175	4,743	401	309	963	162	403	0	49	0	2,325	131
West Virginia U.	176	4,464	170	0	2,997	0	12	0	189	0	977	119
Brigham Young U., Provo	177	4,401	539	121	103	30	666	0	0	0	2,228	714
Boise State U.	178	4,362	280	0	50	90	1,475	0	113	0	2,354	0
Texas State U.	179	4,281	160	956	2,153	66	684	0	1	0	261	0
U. Texas Medical Branch	180	4,274	0	0	4,274	0	0	0	0	0	0	0
SUNY, Binghamton U.	181	4,211	319	0	5	0	378	149	0	0	3,360	0
California Polytechnic State U., San Luis Obispo	182	4,195	1	118	0	33	0	0	0	0	4,043	0
U. Vermont	183	4,170	368	0	2,480	46	134	0	0	0	1,142	0
U. West Florida	184	4,146	2,971	0	37	0	0	0	0	0	14	1,124
U. Massachusetts, Dartmouth	185	4,058	65	2,834	90	144	0	0	0	0	925	0
Desert Research Institute	186	4,027	0	4,027	0	0	0	0	0	0	0	0
National Defense U.	187	3,920	0	0	400	0	0	0	3,020	0	0	500
Tulane U.	188	3,902	0	87	3,545	0	270	0	0	0	0	0
Embry-Riddle Aeronautical U.	189	3,878	42	120	384	0	2,503	0	0	0	703	126
Florida Institute of Technology	190	3,709	1,188	0	0	66	0	207	0	0	2,248	0
Cleveland State U.	191	3,686	0	0	1,829	0	0	0	0	0	1,857	0
Nova Southeastern U.	192	3,657	0	1,750	1,863	0	0	34	0	0	0	10
U. Oregon	193	3,577	796	0	253	0	1,715	192	46	0	404	171
Southern Methodist U.	194	3,541	0	2,730	0	30	0	0	0	30	751	0
Lehigh U.	195	3,504	184	156	195	0	0	0	0	0	2,966	3
Morgan State U.	196	3,376	0	9	0	0	1,671	6	0	0	1,690	0
South Dakota School of Mines and Technology	197	3,369	0	0	0	0	61	0	0	0	3,308	0

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Kansas State U.	198	3,252	1,163	0	322	0	265	274	259	0	960	9
U. Tennessee, Health Science Center	199	3,162	0	0	3,162	0	0	0	0	0	0	0
Montana Technological U.	200	3,091	0	0	0	0	0	0	0	0	3,091	0
U. Louisiana, Lafayette	201	3,084	374	93	2,016	0	0	0	0	0	0	601
U. Memphis	202	2,975	705	0	76	0	0	0	294	0	1,688	212
Howard U.	203	2,972	155	0	530	0	125	65	0	0	2,097	0
Syracuse U.	204	2,827	54	0	325	0	911	0	13	0	1,268	256
Scripps Research Institute	205	2,784	0	0	2,784	0	0	0	0	0	0	0
U. Arkansas, Little Rock	206	2,761	1,603	0	1,158	0	0	0	0	0	0	0
Marshall U.	207	2,666	0	0	402	0	115	0	0	0	1,730	419
U. Arkansas for Medical Sciences	208	2,650	0	0	2,650	0	0	0	0	0	0	0
U. North Carolina, Charlotte	209	2,607	238	0	256	107	441	328	123	0	1,103	11
U. Guam	210	2,584	0	432	2,152	0	0	0	0	0	0	0
Western U. of Health Sciences	211	2,553	0	0	2,553	0	0	0	0	0	0	0
U. North Dakota	212	2,523	504	362	202	0	71	112	0	0	1,181	91
Citadel Military C. South Carolina	213	2,507	2,505	0	2	0	0	0	0	0	0	0
Dakota State U.	214	2,434	2,434	0	0	0	0	0	0	0	0	0
SUNY, Upstate Medical U.	215	2,427	0	0	2,427	0	0	0	0	0	0	0
U. Nebraska, Omaha	216	2,400	1,686	0	707	0	0	0	7	0	0	0
William & Mary	217	2,376	0	859	157	182	691	0	0	0	0	487
CUNY, City C.	218	2,370	207	0	0	0	557	0	0	0	1,604	2
Youngstown State U.	219	2,301	0	0	0	0	0	0	0	0	2,301	0
Rockefeller U.	220	2,287	0	434	1,853	0	0	0	0	0	0	0
East Carolina U.	221	2,238	0	257	1,054	0	0	0	79	0	454	394
Delaware State U.	222	2,236	0	127	65	187	1,857	0	0	0	0	0
Rutgers, State U. New Jersey, Newark	223	2,208	1,626	329	2	0	0	0	0	0	0	251
U. Texas Rio Grande Valley	224	2,199	534	0	50	0	213	0	0	0	1,402	0
Tuskegee U.	225	2,188	0	0	739	0	0	0	0	0	1,449	0
North Carolina A&T State U.	226	2,170	174	0	0	99	60	0	0	0	1,701	136
Western Illinois U.	227	1,983	0	0	0	0	0	0	0	0	1,983	0
Portland State U.	228	1,971	45	152	73	199	0	240	62	0	1,200	0
U. South Alabama	229	1,933	20	61	628	0	75	0	0	0	850	299
U. Wyoming	230	1,907	116	48	1,383	0	0	0	27	0	333	0

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Augusta U.	231	1,860	64	0	1,796	0	0	0	0	0	0	0
Baylor U.	232	1,794	0	0	282	4	94	58	0	0	1,356	0
Georgia State U.	233	1,792	84	0	94	0	1,028	0	0	0	0	586
Prairie View A&M U.	234	1,745	0	0	125	0	593	0	0	0	940	87
U. California, Merced	235	1,712	0	0	161	130	827	0	75	0	202	317
Saint Louis U.	236	1,708	0	33	1,493	0	17	1	0	0	164	0
Clarkson U.	237	1,660	198	0	107	80	77	0	0	0	1,164	34
U. Tulsa	238	1,659	1,326	0	0	0	208	5	0	0	120	0
Jackson State U.	239	1,568	56	0	0	0	679	0	0	0	833	0
Chapman U.	240	1,562	0	0	402	0	997	0	123	0	40	0
U. Akron	241	1,554	0	0	232	0	830	0	0	0	492	0
U. Colorado Colorado Springs	242	1,510	1,202	135	0	0	0	0	0	0	173	0
Louisiana Tech U.	243	1,498	275	0	32	65	132	8	0	0	986	0
Cold Spring Harbor Laboratory	244	1,486	0	0	1,486	0	0	0	0	0	0	0
U. Alaska, Anchorage	245	1,468	21	215	833	0	0	0	187	0	191	21
Hampton U.	246	1,448	0	169	499	0	7	0	0	0	688	85
California State U., San Marcos	247	1,441	0	0	0	0	0	0	0	1,441	0	0
Alabama A&M U.	248	1,408	i 142	i 0	i 323	i 11	i 94	i 12	i 18	i 0	i 797	i 11
Indiana U.-Purdue U., Indianapolis	248	1,408	20	0	84	0	534	0	0	0	649	121
U.S. Army War C.	250	1,399	i 0	i 0	i 0	i 0	i 0	i 0	i 1,399	i 0	i 0	i 0
California State U., Northridge	251	1,302	0	39	0	49	116	0	0	0	1,098	0
Haverford C.	252	1,298	0	0	0	0	1,298	0	0	0	0	0
South Dakota State U.	253	1,293	0	0	22	0	120	0	0	0	1,151	0
Ohio U.	254	1,268	0	0	207	0	107	0	0	0	954	0
U. San Diego	255	1,251	0	0	0	1,180	46	0	0	0	0	25
SUNY, U. Albany	256	1,228	186	683	19	0	150	6	66	0	34	84
North Carolina Central U.	257	1,188	0	0	0	0	1,188	0	0	0	0	0
Creighton U.	258	1,171	i 389	i 0	i 357	i 91	i 298	i 13	i 15	i 0	i 0	i 8
Medical U. South Carolina	259	1,162	0	0	1,162	0	0	0	0	0	0	0
U. New Orleans	260	1,152	335	0	0	176	317	0	204	0	120	0
SUNY, Downstate Health Sciences U.	261	1,149	0	0	1,149	0	0	0	0	0	0	0
U. Tennessee, Chattanooga	261	1,149	276	0	0	0	0	0	0	0	873	0
San Jose State U.	263	1,139	0	589	67	0	78	0	0	0	405	0



TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Towson U.	264	1,090	544	390	128	2	26	0	0	0	0	0
Marquette U.	265	1,068	0	0	292	0	0	0	0	0	776	0
California State U., Long Beach	266	1,059	0	40	42	0	0	0	0	0	800	177
Virginia State U.	267	1,043	0	0	0	0	0	0	0	0	1,043	0
Duquesne U.	268	1,042	0	0	1,042	0	0	0	0	0	0	0
Virginia Military Institute	269	1,040	1,031	0	0	0	0	0	0	0	9	0
U. Puerto Rico, Mayaguez	270	987	44	10	0	0	19	0	0	0	914	0
U. Idaho	271	945	50	0	656	0	0	0	0	0	239	0
Van Andel Research Institute	272	941	0	0	941	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	273	923	0	0	720	0	164	0	0	26	13	0
Oakland U.	274	916	274	0	0	0	304	0	0	0	338	0
Florida A&M U.	275	915	114	0	0	0	27	0	0	0	774	0
California State U., Fullerton	276	880	0	2	0	584	0	152	0	0	142	0
Miami U.	277	873	0	25	300	0	115	236	0	0	197	0
Villanova U.	278	867	52	0	0	0	0	0	0	0	815	0
Kent State U.	279	850	0	0	329	2	331	0	24	0	164	0
Illinois Institute of Technology	280	816	120	0	65	0	0	0	0	0	631	0
Toyota Technological Institute, Chicago	281	813	813	0	0	0	0	0	0	0	0	0
Norfolk State U.	282	809	298	0	0	0	437	0	0	0	74	0
CUNY, Hunter C.	283	801	139	0	12	0	465	0	0	0	185	0
Clark Atlanta U.	284	777	0	0	7	0	770	0	0	0	0	0
Loyola U., Chicago	285	771	41	0	730	0	0	0	0	0	0	0
Brandeis U.	286	755	114	0	112	0	279	0	78	172	0	0
Charles R. Drew U. of Medicine and Science	287	731	0	0	731	0	0	0	0	0	0	0
Spelman C.	287	731	0	0	43	661	0	0	0	0	0	27
Texas A&M U.-Corpus Christi	289	673	0	138	4	0	0	0	0	0	531	0
Central State U.	290	668	0	25	0	0	585	0	0	0	58	0
U. of the Incarnate Word	291	656	0	0	146	0	179	0	0	0	331	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	292	650	0	0	133	0	0	0	0	0	483	34
Wesleyan U.	293	626	0	0	0	120	325	181	0	0	0	0
U. Massachusetts, Boston	294	625	0	5	450	0	0	0	0	0	170	0
U. Northern Iowa	295	617	0	0	0	0	617	0	0	0	0	0
U. Colorado Denver <sup>C</sup>	296	610	0	0	0	100	0	0	0	0	441	69

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Langston U.	297	600	0	0	600	0	0	0	0	0	0	0
U. of the District of Columbia	298	599	0	0	0	0	0	0	0	0	599	0
U. North Carolina, Greensboro	299	597	0	0	209	59	0	0	0	0	0	329
San Francisco State U.	300	593	0	0	5	0	351	178	0	0	59	0
California State U., Dominguez Hills	301	592	0	0	0	0	592	0	0	0	0	0
U. New Haven	302	590	513	0	0	0	0	77	0	0	0	0
American U.	303	586	134	0	0	393	0	0	0	5	0	54
Alfred U.	304	581	0	0	0	0	0	0	0	0	581	0
Louisiana State U., Health Sciences Center, New Orleans	305	562	0	0	562	0	0	0	0	0	0	0
U. Nevada, Las Vegas	306	546	0	0	280	0	242	0	0	0	24	0
Fisk U.	307	533	0	0	0	0	533	0	0	0	0	0
Seton Hall U.	308	522	0	0	0	0	522	0	0	0	0	0
U. Wisconsin-Milwaukee	309	513	0	0	0	0	0	0	0	0	513	0
Purdue U., Northwest	310	495	270	0	0	0	0	0	0	0	211	14
Texas Tech U., Health Sciences Center	311	488	0	0	488	0	0	0	0	0	0	0
U. Central Oklahoma	312	486	82	0	22	17	37	5	68	0	235	20
U. North Georgia	313	480	434	0	23	0	13	0	10	0	0	0
U. Washington, Bothell	314	473	92	0	75	0	0	0	0	0	306	0
Xavier U. Louisiana	315	465	225	0	0	0	240	0	0	0	0	0
Texas A&M U.-Kingsville	316	448	0	0	3	0	0	0	0	0	445	0
U. Puerto Rico, Medical Sciences Campus	317	437	0	0	437	0	0	0	0	0	0	0
Rosalind Franklin U. of Medicine and Science	318	431	0	0	431	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	319	415	0	0	415	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	320	401	20	0	0	0	381	0	0	0	0	0
Albany Medical C.	321	400	0	0	400	0	0	0	0	0	0	0
U. North Carolina, Wilmington	322	393	90	100	66	0	0	0	52	0	59	26
U. Detroit Mercy	323	387	0	0	0	0	0	0	0	0	387	0
U. Maryland, Eastern Shore	324	385	0	0	326	0	0	0	0	0	59	0
U. Texas, Tyler	324	385	0	0	385	0	0	0	0	0	0	0
New York Institute of Technology	326	384	0	0	0	0	0	0	0	0	384	0
Central Washington U.	327	381	381	0	0	0	0	0	0	0	0	0
SUNY, Cobleskill	328	379	0	0	0	0	0	0	0	0	379	0
Savannah State U.	329	378	0	110	85	0	0	0	0	0	183	0

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. North Carolina, general administration	330	369	51	0	0	0	0	0	0	0	268	50
Catholic U. of America	331	366	0	0	58	0	184	0	0	0	124	0
Fordham U.	332	356	119	0	4	0	233	0	0	0	0	0
New Mexico Highlands U.	332	356 i	118 i	3 i	10 i	57 i	34 i	0 i	117 i	0 i	0 i	17 i
U. Denver	334	354	0	0	139	0	27	0	0	0	188	0
Tennessee State U.	335	346	0	0	0	0	0	0	0	0	346	0
Alabama State U.	336	340	73	0	0	0	0	0	0	0	267	0
California State U., Fresno	336	340	0	0	0	0	0	0	0	0	340	0
Saginaw Valley State U.	338	325 i	162 i	0 i	0 i	0 i	0 i	0 i	148 i	0 i	0 i	15 i
Austin Peay State U.	339	321	0	206	115	0	0	0	0	0	0	0
Southern Illinois U., Edwardsville	340	320	0	27	32	0	261	0	0	0	0	0
Bowie State U.	341	319	319	0	0	0	0	0	0	0	0	0
Indiana U. Pennsylvania	342	316	113	0	0	0	0	0	203	0	0	0
Claremont McKenna C.	343	304	0	0	0	0	304	0	0	0	0	0
Tennessee Technological U.	344	301	0	0	7	0	0	0	0	0	294	0
U. South Dakota	344	301	0	0	301	0	0	0	0	0	0	0
California State Polytechnic U., Pomona	346	299	7	0	0	0	0	0	0	0	292	0
Santa Clara U.	346	299	0	0	0	0	0	0	0	0	299	0
U. Puerto Rico, Rio Piedras	348	294	0	0	0	124	170	0	0	0	0	0
California State U., Los Angeles	349	292	0	0	0	0	107	0	0	0	185	0
U. of Health Sciences and Pharmacy in St. Louis	350	281	0	0	272	0	9	0	0	0	0	0
Eastern Virginia Medical School	351	279	0	0	279	0	0	0	0	0	0	0
U. Washington, Tacoma	352	273	198	56	0	0	0	0	0	19	0	0
U. Hawaii, Hilo	353	262	0	0	184	0	78	0	0	0	0	0
Rush U.	354	260	0	0	260	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	355	255	89	0	0	0	0	0	0	0	166	0
U. Texas of the Permian Basin	356	244	0	0	0	0	0	0	0	0	244	0
East Tennessee State U.	357	239	0	0	239	0	0	0	0	0	0	0
Texas Woman's U.	357	239	0	0	239	0	0	0	0	0	0	0
California State U., Chico	359	236	0	0	0	0	0	0	0	0	236	0
Fayetteville State U.	360	213	188	0	0	0	0	0	0	0	25	0
West Chester U. Pennsylvania	361	204	0	0	204	0	0	0	0	0	0	0
Clafin U.	362	198	0	0	198	0	0	0	0	0	0	0

TABLE 60

## Federally financed higher education R&amp;D expenditures, financed by the Department of Defense, ranked by DOD R&amp;D expenditures, by R&amp;D field: FY 2022

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Maryland Center for Environmental Science	363	194	0	119	75	0	0	0	0	0	0	0
Meharry Medical C.	364	191	0	0	191	0	0	0	0	0	0	0
Northeast Ohio Medical U.	365	188	0	0	188	0	0	0	0	0	0	0
U. Texas Health Science Center, Tyler	366	183	0	0	183	0	0	0	0	0	0	0
Elizabeth City State U.	367	174	0	0	174	0	0	0	0	0	0	0
U. North Florida	368	169	30	0	0	0	0	0	0	0	2	137
Saint Joseph's U.	369	165	0	0	0	0	0	0	165	0	0	0
Middle Tennessee State U.	370	163	0	0	18	0	0	0	145	0	0	0
Tougaloo C.	370	163	i 0	i 0	i 111	i 21	i 24	i 0	i 1	i 0	i 0	i 6
Kennesaw State U.	372	157	50	0	0	0	0	20	0	0	87	0
Morehouse School of Medicine	373	153	0	0	153	0	0	0	0	0	0	0
U. Wisconsin-Green Bay	374	152	i 15	i 4	i 33	i 1	i 11	i 0	i 2	i 0	i 83	i 3
Appalachian State U.	375	151	0	0	151	0	0	0	0	0	0	0
U. of the Virgin Islands	376	150	150	0	0	0	0	0	0	0	0	0
Northern Illinois U.	377	141	0	0	0	0	14	0	72	0	55	0
Dillard U.	378	139	0	0	0	0	132	0	0	0	7	0
Sam Houston State U.	379	137	0	0	0	0	0	0	137	0	0	0
Texas Christian U.	379	137	0	0	0	0	0	0	4	0	84	49
Reed C.	381	134	i 0	i 0	i 91	i 19	i 23	i 0	i 1	i 0	i 0	i 0
U. Wisconsin-Platteville	382	132	i 10	i 0	i 10	i 2	i 10	i 0	i 12	i 0	i 84	i 4
U. Arkansas, Pine Bluff	383	131	0	0	8	0	123	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	384	129	0	0	129	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Camden	384	129	129	0	0	0	0	0	0	0	0	0
Bowling Green State U.	386	124	0	66	0	0	0	0	0	0	0	58
Coastal Carolina U.	387	120	0	69	0	0	51	0	0	0	0	0
California State U., Monterey Bay	388	119	0	119	0	0	0	0	0	0	0	0
Harvey Mudd C.	389	116	0	0	0	0	116	0	0	0	0	0
U. of St. Thomas (MN)	390	114	0	0	0	0	0	0	0	0	114	0
Loyola Marymount U.	391	113	0	0	0	0	0	0	0	0	0	113
CUNY, Queens C.	392	108	0	0	0	0	80	0	28	0	0	0
Oregon Institute of Technology	393	107	i 11	i 1	i 10	i 4	i 0	i 0	i 0	i 0	i 81	i 0
Sul Ross State U.	394	98	i 32	i 1	i 12	i 6	i 10	i 2	i 21	i 0	i 0	i 14





TABLE 60

**Federally financed higher education R&D expenditures, financed by the Department of Defense, ranked by DOD R&D expenditures, by R&D field: FY 2022**

(Dollars in thousands)

Institution	Rank	DOD R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Davidson C.	461	6	0	0	0	0	6	0	0	0	0	0
Clark U.	462	5	0	0	0	0	5	0	0	0	0	0
Whitman C.	462	5	0	0	5	0	0	0	0	0	0	0
California State U., Channel Islands	464	4	0	0	0	0	4	0	0	0	0	0
SUNY, C. Brockport	464	4	0	0	0	0	4	0	0	0	0	0
U. Hartford	464	4	0	0	0	0	0	4	0	0	0	0
C. of Saint Benedict	467	3 i	0 i	0 i	2 i	0 i	1 i	0 i	0 i	0 i	0 i	0 i
SUNY, Buffalo State	467	3	3	0	0	0	0	0	0	0	0	0
Lawrence Technological U.	469	1	1	0	0	0	0	0	0	0	0	0
Loma Linda U.	469	1	0	0	1	0	0	0	0	0	0	0
U. Wisconsin-Stevens Point	469	1	0	0	0	0	1	0	0	0	0	0

i = imputed.

DOD = Department of Defense; nec = not elsewhere classified; S&amp;E = science and engineering.

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$1,378,372 thousand in R&D expenditures financed by DOD in FY 2022.<sup>b</sup> The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.<sup>c</sup> The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.<sup>d</sup> The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.**Note(s):**

Institutions reporting zero expenditures in ranked total for FY 2022 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&amp;D expenditures, see table 6.

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2022.