Table 11. Federally financed higher education R&D expenditures at institutions in the standard form survey population, by federal agency and R&D field: FY 2025

(Dollars in thousands)

Field	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other[a]
All R&D fields	67,362,332	11,095,062	3,137,156	36,307,384	2,480,269	7,521,737	2,161,837	4,658,887
Science	51,978,046	4,803,203	1,671,888	34,226,120	1,705,804	5,034,713	1,955,250	2,581,068
Computer and information sciences	2,753,468	1,228,964	82,935	230,007	26,329	978,913	29,036	177,284
Geosciences, atmospheric sciences, and ocean sciences	2,956,782	355,284	171,199	55,468	525,905	928,680	48,280	871,966
Atmospheric science and meteorology	609,567	72,147	32,552	4,451	176,483	119,981	3,928	200,025
Geological and earth sciences	1,063,849	97,737	107,418	9,573	240,702	376,012	27,308	205,099
Ocean sciences and marine sciences	945,050	170,370	20,957	12,295	47,294	346,909	6,113	341,112
Geosciences, atmospheric sciences, and ocean sciences nec	338,316	15,030	10,272	29,149	61,426	85,778	10,931	125,730
Life sciences	37,411,664	1,842,159	263,277	31,548,087	91,693	1,036,143	1,753,009	877,296
Agricultural sciences	1,799,571	29,474	56,587	222,734	9,283	112,832	1,210,549	158,112
Biological and biomedical sciences	12,643,014	493,614	142,206	10,835,128	30,945	709,770	251,736	179,615
Health sciences	21,625,610	1,261,735	34,633	19,814,438	33,460	105,728	64,269	311,347
Natural resources and conservation	565,327	37,610	25,665	29,953	15,144	76,754	181,342	198,859
Life sciences nec	778,142	19,726	4,186	645,834	2,861	31,059	45,113	29,363
Mathematics and statistics	839,164	241,428	18,602	79,474	190,888	270,980	6,872	30,920
Physical sciences	4,978,613	834,364	1,082,142	773,121	826,696	1,335,790	17,181	109,319
Astronomy and astrophysics	689,272	22,689	23,285	1,189	505,477	132,146	675	3,811
Chemistry	1,494,052	145,127	233,982	645,148	14,718	424,074	8,020	22,983
Materials science	234,523	97,735	46,545	14,915	3,792	63,516	1,413	6,607
Physics	2,347,179	532,296	733,791	92,703	286,994	644,809	2,178	54,408
Physical sciences nec	213,587	36,517	44,539	19,166	15,715	71,245	4,895	21,510
Psychology	1,074,205	61,135	948	802,308	19,250	100,657	5,486	84,421
Social sciences	1,412,307	105,955	23,073	600,309	14,474	241,082	84,623	342,791
Anthropology	62,290	3,680	1,435	8,926	455	31,654	2,114	14,026
Economics	229,266	5,725	4,331	80,405	406	26,620	61,694	50,085
Political science and government	129,072	18,958	3,120	24,957	814	42,845	1,412	36,966
Sociology, demography, and population studies	362,920	30,577	1,008	223,213	615	46,705	5,411	55,391
Social sciences nec	628,759	47,015	13,179	262,808	12,184	93,258	13,992	186,323
Sciences nec	551,843	133,914	29,712	137,346	10,569	142,468	10,763	87,071
Engineering	13,407,784	6,163,232	1,439,423	1,632,697	763,736	2,005,672	152,265	1,250,759
Aerospace, aeronautical, and astronautical engineering	1,749,587	1,170,435	32,131	7,909	300,317	48,594	1,489	188,712
Bioengineering and biomedical engineering	1,421,973	198,098	19,270	982,982	12,967	140,185	33,640	34,831
Chemical engineering	872,910	156,981	224,071	176,732	12,318	225,756	15,614	61,438
Civil engineering	1,087,102	174,508	190,453	40,453	21,763	231,942	23,848	404,135
Electrical, electronic, and communications engineering	3,641,610	2,254,802	222,533	157,178	195,534	613,536	10,619	187,408
Industrial and manufacturing engineering	565,538	353,023	32,088	14,362	24,450	71,364	2,174	68,077
Mechanical engineering	1,898,787	936,193	241,084	146,981	124,346	299,845	14,691	135,647
Metallurgical and materials engineering	816,251	395,109	196,553	37,929	13,464	139,597	2,252	31,347
Engineering nec	1,354,026	524,083	281,240	68,171	58,577	234,853	47,938	139,164
Non-S&E	1,976,502	128,627	25,845	448,567	10,729	481,352	54,322	827,060

Table 11. Federally financed higher education R&D expenditures at institutions in the standard form survey population, by federal agency and R&D field: FY 2025

(Dollars in thousands)

Field	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other[a]
Business management and business administration	129,917	16,878	1,527	14,838	927	31,813	6,504	57,430
Communication and communications technologies	63,215	9,278	8,801	13,872	354	18,360	1,092	11,458
Education	995,005	21,793	1,407	129,548	6,387	299,269	17,660	518,941
Humanities	66,898	6,549	692	13,499	177	18,103	624	27,254
Law	46,520	538	1,561	8,659	0	3,424	505	31,833
Social work	199,463	867	78	166,057	2	2,459	2,663	27,337
Visual and performing arts	21,821	618	44	4,183	752	7,891	326	8,007
Non-S&E nec	453,663	72,106	11,735	97,911	2,130	100,033	24,948	144,800

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; nec = not elsewhere classified; S&E = science and engineering; USDA = Department of Agriculture.

[a] Other agency R&D expenditures includes all other agencies reported.

Note(s):
This table includes only institutions reporting $1 million or more in total R&D expenditures in FY 2024. Institutions reporting less than $1 million in total R&D expenditures in FY 2024 completed a shorter version of the survey form in FY 2025, and that form did not collect federally financed R&D expenditures by source and detailed field.

Source(s):
National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2025.