Table 10. Higher education R&D expenditures at institutions in the standard form survey population, by source of funds and R&D field: FY 2025

(Dollars in thousands)

Field	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
All R&D fields	124,273,460	67,362,332	6,885,351	32,588,752	6,383,051	7,154,136	3,899,838
Science	94,879,110	51,978,046	4,925,622	24,087,914	4,914,759	5,891,066	3,081,703
Computer and information sciences	4,256,408	2,753,468	110,046	953,048	188,798	120,893	130,155
Geosciences, atmospheric sciences, and ocean sciences	4,572,510	2,956,782	332,288	910,479	92,026	191,794	89,141
Atmospheric science and meteorology	777,060	609,567	22,730	109,300	8,691	16,000	10,772
Geological and earth sciences	1,738,554	1,063,849	115,686	409,711	48,852	60,296	40,160
Ocean sciences and marine sciences	1,529,444	945,050	153,154	289,336	20,769	88,610	32,525
Geosciences, atmospheric sciences, and ocean sciences nec	527,452	338,316	40,718	102,132	13,714	26,888	5,684
Life sciences	69,604,386	37,411,664	3,817,612	17,237,791	4,317,785	4,478,984	2,340,550
Agricultural sciences	5,078,093	1,799,571	1,203,593	1,584,893	162,738	170,095	157,203
Biological and biomedical sciences	21,297,808	12,643,014	704,242	5,135,226	834,999	1,426,037	554,290
Health sciences	40,354,124	21,625,610	1,571,276	9,644,972	3,252,276	2,736,750	1,523,240
Natural resources and conservation	1,249,614	565,327	208,928	356,226	20,026	59,145	39,962
Life sciences nec	1,624,747	778,142	129,573	516,474	47,746	86,957	65,855
Mathematics and statistics	1,324,154	839,164	43,867	356,923	12,301	58,134	13,765
Physical sciences	7,719,392	4,978,613	168,166	1,838,397	208,220	305,444	220,552
Astronomy and astrophysics	1,064,681	689,272	7,281	179,393	3,952	64,256	120,527
Chemistry	2,515,371	1,494,052	78,692	688,462	84,726	118,379	51,060
Materials science	374,831	234,523	11,305	103,652	14,829	6,295	4,227
Physics	3,330,937	2,347,179	50,945	731,645	58,993	104,612	37,563
Physical sciences nec	433,572	213,587	19,943	135,245	45,720	11,902	7,175
Psychology	1,852,944	1,074,205	83,913	549,672	10,986	109,943	24,225
Social sciences	4,176,188	1,412,307	285,414	1,658,400	53,748	564,313	202,006
Anthropology	189,394	62,290	4,499	100,246	1,940	13,629	6,790
Economics	797,951	229,266	60,177	313,745	13,614	132,936	48,213
Political science and government	643,988	129,072	26,804	319,541	4,396	113,925	50,250
Sociology, demography, and population studies	833,730	362,920	51,228	277,425	12,810	110,457	18,890
Social sciences nec	1,711,125	628,759	142,706	647,443	20,988	193,366	77,863
Sciences nec	1,373,128	551,843	84,316	583,204	30,895	61,561	61,309
Engineering	21,222,336	13,407,784	1,340,916	4,136,539	1,288,864	547,944	500,289
Aerospace, aeronautical, and astronautical engineering	2,233,532	1,749,587	51,666	226,699	178,572	9,152	17,856
Bioengineering and biomedical engineering	2,255,457	1,421,973	86,947	479,799	72,881	160,096	33,761
Chemical engineering	1,484,418	872,910	55,367	343,785	115,357	64,701	32,298
Civil engineering	2,247,863	1,087,102	387,745	559,359	99,685	67,701	46,271
Electrical, electronic, and communications engineering	4,944,736	3,641,610	130,071	795,265	181,023	91,805	104,962
Industrial and manufacturing engineering	811,930	565,538	47,087	149,211	30,919	10,211	8,964
Mechanical engineering	2,796,154	1,898,787	99,909	506,343	200,312	46,796	44,007

Table 10. Higher education R&D expenditures at institutions in the standard form survey population, by source of funds and R&D field: FY 2025

(Dollars in thousands)

Field	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Metallurgical and materials engineering	1,234,260	816,251	55,120	226,702	76,974	31,830	27,383
Engineering nec	3,213,986	1,354,026	427,004	849,376	333,141	65,652	184,787
Non-S&E	8,172,014	1,976,502	618,813	4,364,299	179,428	715,126	317,846
Business management and business administration	1,538,310	129,917	78,755	1,137,572	42,162	61,802	88,102
Communication and communications technologies	282,659	63,215	14,352	154,099	6,603	31,928	12,462
Education	2,276,769	995,005	225,297	722,875	53,014	242,441	38,137
Humanities	992,995	66,898	30,110	714,445	18,492	115,146	47,904
Law	445,007	46,520	42,174	246,351	6,600	71,232	32,130
Social work	451,233	199,463	67,113	133,814	3,175	42,353	5,315
Visual and performing arts	331,156	21,821	12,365	262,618	1,584	22,731	10,037
Non-S&E nec	1,853,885	453,663	148,647	992,525	47,798	127,493	83,759

nec = not elsewhere classified; S&E = science and engineering.

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 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.