Table A-18. Imputed amounts for total and federally financed higher education R&D equipment expenditures, by R&D field: FY 2025

(Dollars in thousands)

R&D field	Total			Federally financed		
	All R&D expenditures	Imputed amount	Imputed amount as % of total	All R&D expenditures	Imputed amount	Imputed amount as % of total
All R&D fields	3,919,178	130,664	3.3	1,879,861	5,776	0.3
All science and engineering	3,836,703	136,852	3.6	1,864,275	50,264	2.7
Computer and information sciences	185,719	17,010	9.2	107,056	3,864	3.6
Geosciences, atmospheric sciences, and ocean sciences	157,040	4,454	2.8	85,073	425	0.5
Atmospheric science and meteorology	24,459	600	2.5	16,147	58	0.4
Geological and earth sciences	70,692	3,128	4.4	31,377	257	0.8
Ocean sciences and marine sciences	51,175	635	1.2	31,336	61	0.2
Geosciences, atmospheric sciences, and ocean sciences nec	10,714	91	0.8	6,213	49	0.8
Life sciences	1,397,900	21,467	1.5	572,553	14,472	2.5
Agricultural sciences	185,123	1,027	0.6	65,753	746	1.1
Biological and biomedical sciences	599,378	10,335	1.7	285,322	6,871	2.4
Health sciences	531,671	14,015	2.6	194,616	10,021	5.1
Natural resources and conservation	26,488	220	0.8	12,162	123	1.0
Life sciences nec	55,240	26	0.0	14,700	19	0.1
Mathematics and statistics	19,374	11,535	59.5	8,305	3,574	43.0
Physical sciences	526,161	15,069	2.9	295,865	4,693	1.6
Astronomy and astrophysics	46,460	1,153	2.5	24,337	187	0.8
Chemistry	183,874	2,403	1.3	92,579	991	1.1
Materials science	23,184	13	0.1	10,292	3	0.0
Physics	241,790	9,421	3.9	150,783	3,202	2.1
Physical sciences nec	30,853	2,079	6.7	17,874	310	1.7
Psychology	16,810	489	2.9	7,162	226	3.2
Social sciences	23,995	2,095	8.7	6,028	784	13.0
Anthropology	3,054	20	0.7	338	3	0.9
Economics	2,744	402	14.7	801	146	18.2
Political science and government	1,605	94	5.9	430	30	7.0
Sociology, demography, and population studies	4,317	736	17.0	550	211	38.4
Social sciences nec	12,275	843	6.9	3,909	394	10.1
Sciences nec	62,310	2,740	4.4	16,139	1,137	7.0
Engineering	1,447,394	61,993	4.3	766,094	21,089	2.8
Aerospace, aeronautical, and astronautical engineering	124,531	8,878	7.1	75,772	2,542	3.4
Bioengineering and biomedical engineering	95,945	3,068	3.2	47,227	1,887	4.0
Chemical engineering	79,689	1,245	1.6	46,183	377	0.8
Civil engineering	62,970	967	1.5	26,445	303	1.1
Electrical, electronic, and communications engineering	387,019	30,263	7.8	269,692	10,088	3.7
Industrial and manufacturing engineering	36,555	3,460	9.5	21,721	989	4.6
Mechanical engineering	153,585	11,667	7.6	92,756	4,182	4.5
Metallurgical and materials engineering	118,902	394	0.3	77,902	145	0.2
Engineering nec	388,198	2,051	0.5	108,396	576	0.5
All non-science and engineering	82,475	1,141	1.4	15,586	206	1.3
Business management and business administration	9,224	152	1.6	1,660	23	1.4

Table A-18. Imputed amounts for total and federally financed higher education R&D equipment expenditures, by R&D field: FY 2025

(Dollars in thousands)

R&D field	Total			Federally financed		
	All R&D expenditures	Imputed amount	Imputed amount as % of total	All R&D expenditures	Imputed amount	Imputed amount as % of total
Communication and communications technologies	4,398	15	0.3	1,163	5	0.4
Education	8,164	263	3.2	2,971	82	2.8
Humanities	4,324	316	7.3	776	51	6.6
Law	494	10	2.0	298	0	0.0
Social work	574	56	9.8	233	12	5.2
Visual and performing arts	2,706	43	1.6	398	1	0.3
Non-science and engineering nec	52,591	286	0.5	8,087	32	0.4

nec = not elsewhere classified.

Note(s):
Imputation rate at total level is lower than imputation rates at detail levels because some institutions could provide totals but not details. 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 that did not include this question.

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