

Table 3-3. Detailed primary source of federal support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	DOD		DOE		HHS: NIH		HHS: Other HHS		NASA		NSF		USDA		Other	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All graduate students	83,962	9,739	11.6	5,916	7.0	23,836	28.4	2,851	3.4	2,038	2.4	21,355	25.4	3,796	4.5	14,431	17.2
Science	53,783	3,887	7.2	2,908	5.4	18,811	35.0	1,504	2.8	1,253	2.3	13,200	24.5	3,241	6.0	8,979	16.7
Agricultural and veterinary sciences	2,087	30	1.4	35	1.7	134	6.4	115	5.5	6	0.3	148	7.1	1,321	63.3	298	14.3
Biological and biomedical sciences	21,559	487	2.3	195	0.9	14,946	69.3	606	2.8	51	0.2	2,411	11.2	981	4.6	1,882	8.7
Computer and information sciences	6,488	1,236	19.1	210	3.2	429	6.6	146	2.3	71	1.1	3,097	47.7	111	1.7	1,188	18.3
Geosciences, atmospheric, and ocean sciences	2,693	147	5.5	137	5.1	20	0.7	3	0.1	399	14.8	1,267	47.0	37	1.4	683	25.4
Mathematics and statistics	1,542	145	9.4	62	4.0	196	12.7	38	2.5	9	0.6	879	57.0	33	2.1	180	11.7
Multidisciplinary and interdisciplinary sciences	891	88	9.9	49	5.5	238	26.7	22	2.5	16	1.8	213	23.9	20	2.2	245	27.5
Natural resources and conservation	1,662	58	3.5	77	4.6	73	4.4	88	5.3	48	2.9	294	17.7	395	23.8	629	37.8
Physical sciences	10,625	898	8.5	2,115	19.9	1,863	17.5	222	2.1	622	5.9	3,976	37.4	53	0.5	876	8.2
Psychology	3,264	244	7.5	3	0.1	736	22.5	193	5.9	7	0.2	369	11.3	17	0.5	1,695	51.9
Social sciences	2,972	554	18.6	25	0.8	176	5.9	71	2.4	24	0.8	546	18.4	273	9.2	1,303	43.8
Engineering	25,762	5,482	21.3	3,000	11.6	3,449	13.4	771	3.0	782	3.0	8,049	31.2	527	2.0	3,702	14.4
Aerospace, aeronautical, and astronautical engineering	1,375	599	43.6	67	4.9	2	0.1	2	0.1	256	18.6	185	13.5	0	0.0	264	19.2
Biological, biomedical, and biosystems engineering	3,585	207	5.8	18	0.5	2,095	58.4	167	4.7	14	0.4	685	19.1	58	1.6	341	9.5
Chemical, petroleum, and chemical-related engineering	2,571	261	10.2	520	20.2	367	14.3	50	1.9	28	1.1	1,062	41.3	34	1.3	249	9.7
Civil, environmental, transportation and related engineering fields	2,439	338	13.9	240	9.8	37	1.5	105	4.3	84	3.4	763	31.3	71	2.9	801	32.8
Electrical, electronics, communications and computer engineering	5,754	1,596	27.7	483	8.4	411	7.1	122	2.1	100	1.7	2,318	40.3	62	1.1	662	11.5
Industrial, manufacturing, systems engineering and operations research	1,183	455	38.5	50	4.2	34	2.9	50	4.2	16	1.4	349	29.5	24	2.0	205	17.3
Mechanical engineering	4,373	1,203	27.5	605	13.8	236	5.4	85	1.9	181	4.1	1,419	32.4	59	1.3	585	13.4
Metallurgical, mining, materials and related engineering fields	1,891	399	21.1	451	23.8	67	3.5	70	3.7	39	2.1	629	33.3	20	1.1	216	11.4
Other engineering	2,591	424	16.4	566	21.8	200	7.7	120	4.6	64	2.5	639	24.7	199	7.7	379	14.6
Health	4,417	370	8.4	8	0.2	1,576	35.7	576	13.0	3	0.1	106	2.4	28	0.6	1,750	39.6
Clinical medicine ^a	1,965	117	6.0	5	0.3	604	30.7	341	17.4	2	0.1	41	2.1	21	1.1	834	42.4
Other health	2,452	253	10.3	3	0.1	972	39.6	235	9.6	1	*	65	2.7	7	0.3	916	37.4
Master's students	16,026	3,207	20.0	596	3.7	1,012	6.3	582	3.6	319	2.0	2,126	13.3	1,309	8.2	6,875	42.9
Science	9,516	1,394	14.6	182	1.9	600	6.3	230	2.4	166	1.7	1,361	14.3	1,168	12.3	4,415	46.4
Agricultural and veterinary sciences	755	3	0.4	10	1.3	12	1.6	24	3.2	1	0.1	38	5.0	525	69.5	142	18.8
Biological and biomedical sciences	1,893	138	7.3	25	1.3	349	18.4	76	4.0	7	0.4	249	13.2	259	13.7	790	41.7
Computer and information sciences	1,843	442	24.0	53	2.9	98	5.3	33	1.8	48	2.6	444	24.1	43	2.3	682	37.0
Geosciences, atmospheric, and ocean sciences	653	61	9.3	31	4.7	2	0.3	3	0.5	57	8.7	254	38.9	10	1.5	235	36.0
Mathematics and statistics	225	38	16.9	6	2.7	28	12.4	4	1.8	1	0.4	59	26.2	8	3.6	81	36.0
Multidisciplinary and interdisciplinary sciences	316	53	16.8	2	0.6	34	10.8	4	1.3	4	1.3	50	15.8	4	1.3	165	52.2
Natural resources and conservation	772	36	4.7	19	2.5	10	1.3	36	4.7	15	1.9	77	10.0	195	25.3	384	49.7
Physical sciences	320	77	24.1	29	9.1	22	6.9	3	0.9	24	7.5	83	25.9	8	2.5	74	23.1
Psychology	1,245	99	8.0	0	0.0	34	2.7	25	2.0	3	0.2	18	1.4	7	0.6	1,059	85.1
Social sciences	1,494	447	29.9	7	0.5	11	0.7	22	1.5	6	0.4	89	6.0	109	7.3	803	53.7

Table 3-3. Detailed primary source of federal support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	DOD		DOE		HHS: NIH		HHS: Other HHS		NASA		NSF		USDA		Other	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Engineering	4,263	1,527	35.8	408	9.6	152	3.6	101	2.4	150	3.5	744	17.5	122	2.9	1,059	24.8
Aerospace, aeronautical, and astronautical engineering	435	237	54.5	10	2.3	0	0.0	0	0.0	54	12.4	32	7.4	0	0.0	102	23.4
Biological, biomedical, and biosystems engineering	255	39	15.3	2	0.8	77	30.2	5	2.0	2	0.8	38	14.9	14	5.5	78	30.6
Chemical, petroleum, and chemical-related engineering	122	19	15.6	21	17.2	7	5.7	3	2.5	2	1.6	33	27.0	5	4.1	32	26.2
Civil, environmental, transportation and related engineering fields	570	121	21.2	28	4.9	6	1.1	32	5.6	18	3.2	113	19.8	21	3.7	231	40.5
Electrical, electronics, communications and computer engineering	899	326	36.3	86	9.6	39	4.3	10	1.1	15	1.7	230	25.6	16	1.8	177	19.7
Industrial, manufacturing, systems engineering and operations research	468	285	60.9	16	3.4	3	0.6	12	2.6	5	1.1	24	5.1	5	1.1	118	25.2
Mechanical engineering	882	315	35.7	117	13.3	15	1.7	19	2.2	37	4.2	182	20.6	12	1.4	185	21.0
Metallurgical, mining, materials and related engineering fields	206	63	30.6	51	24.8	2	1.0	9	4.4	5	2.4	42	20.4	4	1.9	30	14.6
Other engineering	426	122	28.6	77	18.1	3	0.7	11	2.6	12	2.8	50	11.7	45	10.6	106	24.9
Health	2,247	286	12.7	6	0.3	260	11.6	251	11.2	3	0.1	21	0.9	19	0.8	1,401	62.3
Clinical medicine ^a	1,207	85	7.0	3	0.2	187	15.5	204	16.9	2	0.2	14	1.2	15	1.2	697	57.7
Other health	1,040	201	19.3	3	0.3	73	7.0	47	4.5	1	0.1	7	0.7	4	0.4	704	67.7
Doctoral students	67,936	6,532	9.6	5,320	7.8	22,824	33.6	2,269	3.3	1,719	2.5	19,229	28.3	2,487	3.7	7,556	11.1
Science	44,267	2,493	5.6	2,726	6.2	18,211	41.1	1,274	2.9	1,087	2.5	11,839	26.7	2,073	4.7	4,564	10.3
Agricultural and veterinary sciences	1,332	27	2.0	25	1.9	122	9.2	91	6.8	5	0.4	110	8.3	796	59.8	156	11.7
Biological and biomedical sciences	19,666	349	1.8	170	0.9	14,597	74.2	530	2.7	44	0.2	2,162	11.0	722	3.7	1,092	5.6
Computer and information sciences	4,645	794	17.1	157	3.4	331	7.1	113	2.4	23	0.5	2,653	57.1	68	1.5	506	10.9
Geosciences, atmospheric, and ocean sciences	2,040	86	4.2	106	5.2	18	0.9	0	0.0	342	16.8	1,013	49.7	27	1.3	448	22.0
Mathematics and statistics	1,317	107	8.1	56	4.3	168	12.8	34	2.6	8	0.6	820	62.3	25	1.9	99	7.5
Multidisciplinary and interdisciplinary sciences	575	35	6.1	47	8.2	204	35.5	18	3.1	12	2.1	163	28.3	16	2.8	80	13.9
Natural resources and conservation	890	22	2.5	58	6.5	63	7.1	52	5.8	33	3.7	217	24.4	200	22.5	245	27.5
Physical sciences	10,305	821	8.0	2,086	20.2	1,841	17.9	219	2.1	598	5.8	3,893	37.8	45	0.4	802	7.8
Psychology	2,019	145	7.2	3	0.1	702	34.8	168	8.3	4	0.2	351	17.4	10	0.5	636	31.5
Social sciences	1,478	107	7.2	18	1.2	165	11.2	49	3.3	18	1.2	457	30.9	164	11.1	500	33.8
Engineering	21,499	3,955	18.4	2,592	12.1	3,297	15.3	670	3.1	632	2.9	7,305	34.0	405	1.9	2,643	12.3
Aerospace, aeronautical, and astronautical engineering	940	362	38.5	57	6.1	2	0.2	2	0.2	202	21.5	153	16.3	0	0.0	162	17.2
Biological, biomedical, and biosystems engineering	3,330	168	5.0	16	0.5	2,018	60.6	162	4.9	12	0.4	647	19.4	44	1.3	263	7.9
Chemical, petroleum, and chemical-related engineering	2,449	242	9.9	499	20.4	360	14.7	47	1.9	26	1.1	1,029	42.0	29	1.2	217	8.9
Civil, environmental, transportation and related engineering fields	1,869	217	11.6	212	11.3	31	1.7	73	3.9	66	3.5	650	34.8	50	2.7	570	30.5
Electrical, electronics, communications and computer engineering	4,855	1,270	26.2	397	8.2	372	7.7	112	2.3	85	1.8	2,088	43.0	46	0.9	485	10.0
Industrial, manufacturing, systems engineering and operations research	715	170	23.8	34	4.8	31	4.3	38	5.3	11	1.5	325	45.5	19	2.7	87	12.2
Mechanical engineering	3,491	888	25.4	488	14.0	221	6.3	66	1.9	144	4.1	1,237	35.4	47	1.3	400	11.5
Metallurgical, mining, materials and related engineering fields	1,685	336	19.9	400	23.7	65	3.9	61	3.6	34	2.0	587	34.8	16	0.9	186	11.0
Other engineering	2,165	302	13.9	489	22.6	197	9.1	109	5.0	52	2.4	589	27.2	154	7.1	273	12.6
Health	2,170	84	3.9	2	0.1	1,316	60.6	325	15.0	0	0.0	85	3.9	9	0.4	349	16.1
Clinical medicine ^a	758	32	4.2	2	0.3	417	55.0	137	18.1	0	0.0	27	3.6	6	0.8	137	18.1

Table 3-3. Detailed primary source of federal support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	DOD		DOE		HHS: NIH		HHS: Other HHS		NASA		NSF		USDA		Other	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Other health	1,412	52	3.7	0	0.0	899	63.7	188	13.3	0	0.0	58	4.1	3	0.2	212	15.0

* = value < 0.05%.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Clinical medicine includes graduate students in public health and in medical clinical sciences and clinical and medical laboratory sciences.**Note(s):**

Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see table A-6. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2024.