



National Center for Science and
Engineering Statistics

Data Tables Report

Survey of Graduate Students and Postdoctorates in Science and Engineering: Fall 2024

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General Notes

This report presents data from the 2024 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). The GSS is an annual census of all U.S. academic institutions granting research-based master's degrees or doctorates in science, engineering, and selected health (SEH) fields as of fall of the survey year. Results are used to assess shifts in graduate enrollment, shifts in appointments of postdoctoral researchers (postdocs) and doctorate-level nonfaculty researchers (NFRs), and trends in financial support.

The GSS is sponsored by the National Center for Science and Engineering Statistics within the U.S. National Science Foundation and by the National Institutes of Health.

The tables in this report provide detailed data on master's and doctoral graduate students and postdocs in SEH fields. Trend data are provided on enrollment, postdocs, and NFRs, as well as counts of master's and doctoral students, postdocs, and NFRs by characteristics, such as sex, ethnicity, race, citizenship, field of study or research, and primary source and mechanism of support.

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Table 1-1. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1975–2024

(Number)

Year	Graduate students				Postdoctoral appointees				Doctorate-holding nonfaculty			
	All fields	Science	Engineering	Health	All fields	Science	Engineering	Health	All fields	Science	Engineering	Health
1975	328,510	234,649	68,332	25,529	na	na	na	na	na	na	na	na
1976	333,716	238,675	66,723	28,318	na	na	na	na	na	na	na	na
1977	345,374	242,932	68,757	33,685	na	na	na	na	na	na	na	na
1978 ^a	339,912	236,465	67,787	35,660	na	na	na	na	na	na	na	na
1979	357,578	247,235	71,808	38,535	18,101	12,519	1,067	4,515	2,687	1,915	273	499
1980	367,078	251,265	74,335	41,478	18,399	13,042	981	4,376	3,260	2,184	423	653
1981	375,130	252,404	79,585	43,141	19,634	13,731	1,040	4,863	3,559	2,445	503	611
1982	382,291	255,146	83,720	43,425	19,363	13,698	980	4,685	4,026	2,809	670	547
1983	390,432	255,820	91,146	43,466	20,712	14,562	1,108	5,042	4,896	3,348	631	917
1984	394,670	256,903	92,739	45,028	21,535	14,979	1,203	5,353	5,042	3,442	589	1,011
1985	404,021	261,973	96,018	46,030	22,387	15,576	1,356	5,455	5,103	3,529	615	959
1986	415,520	266,077	101,905	47,538	23,721	16,512	1,405	5,804	4,846	3,356	521	969
1987	421,497	269,256	103,983	48,258	24,881	17,369	1,446	6,066	4,597	3,250	443	904
1988	424,523	272,309	102,854	49,360	26,123	18,024	1,690	6,409	4,869	3,348	566	955
1989	434,478	278,577	104,065	51,836	27,932	18,978	1,928	7,026	4,908	3,470	581	857
1990	452,113	289,383	107,658	55,072	29,565	19,853	1,950	7,762	5,255	3,745	609	901
1991	471,212	299,057	113,535	58,620	30,865	20,595	2,262	8,008	5,478	3,872	659	947
1992	493,522	312,478	118,039	63,005	32,747	21,514	2,369	8,864	5,482	3,660	737	1,085
1993	504,304	318,851	116,872	68,581	34,322	22,219	2,446	9,657	6,001	4,003	805	1,193
1994	504,399	318,118	113,024	73,257	36,377	23,181	2,606	10,590	6,209	4,156	825	1,228
1995	499,640	315,265	107,201	77,174	35,926	23,512	2,648	9,766	6,534	4,395	789	1,350
1996	494,079	311,957	103,224	78,898	37,107	23,892	2,677	10,538	6,604	4,426	731	1,447
1997	487,208	306,482	101,148	79,578	38,481	24,293	2,971	11,217	6,722	4,408	848	1,466
1998	485,627	304,818	100,038	80,771	40,086	25,023	2,853	12,210	7,100	4,497	810	1,793
1999	493,256	309,491	101,691	82,074	40,800	25,784	3,196	11,820	7,573	4,761	940	1,872
2000	493,311	309,424	104,112	79,775	43,115	26,911	3,313	12,891	7,879	4,931	896	2,052
2001	509,607	319,736	109,493	80,378	43,311	27,044	3,152	13,115	7,531	4,707	801	2,023
2002	540,404	335,166	119,668	85,570	45,034	28,371	3,566	13,097	7,906	5,019	903	1,984
2003	567,121	347,268	127,377	92,476	46,728	29,856	3,810	13,062	8,473	5,493	952	2,028
2004	574,463	352,307	123,566	98,590	47,240	30,116	3,949	13,175	9,075	5,880	1,043	2,152
2005	582,226	357,710	120,565	103,951	48,555	30,290	4,166	14,099	9,527	6,069	946	2,512
2006	597,643	363,246	123,041	111,356	49,343	30,245	4,642	14,456	10,814	6,658	1,118	3,038
2007old ^b	607,823	372,120	130,255	105,448	50,712	30,986	4,908	14,818	10,736	6,517	1,298	2,921
2007new ^b	619,499	384,523	131,676	103,300	50,840	31,281	4,942	14,617	10,752	6,526	1,310	2,916
2008	631,489	391,419	137,856	102,214	54,164	32,741	5,462	15,961	13,747	8,669	1,419	3,659
2009	631,645	401,008	144,677	85,960	57,805	34,388	6,416	17,001	14,059	8,698	1,737	3,624
2010 ^{c,d}	632,652	407,291	149,241	76,120	63,439	37,351	6,969	19,119	21,345	12,751	2,406	6,188

na = not applicable; master's and doctoral students were not reported separately until 2017, and counts of postdoctoral appointees (postdocs) and nonfaculty researchers (NFRs) were not collected until 1979.

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2010, the postdoc and NFR section of the survey was expanded and significant effort was made to ensure that appropriate personnel were providing postdoc and NFR data. Thus, it is unclear how much of the increases in 2010 and later years over 2009 and prior years are from growth in postdocs and NFRs and how much are from improved data collection. More information on the changes to the data collection is available at <https://www.nsf.gov/statistics/infbrief/nsf13334/>.

^d Postdoc and NFR data from 2010 and 2011 were reimputed following the 2012 data collection; these data supersede those contained in previous reports.

^e In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^f As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended. Due to changes in reporting, NFR estimates for 2017old are not available.

Note(s):

For more information on the mapping of GSS 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 NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-2. Distribution of master's students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
All fields	378,587	391,211	408,228	414,478	466,613	501,311	510,866	505,930
Science	229,169	241,327	259,795	267,904	305,796	331,983	348,520	347,469
Agricultural and veterinary sciences ^a	5,603	5,658	5,629	6,487	6,801	6,949	6,901	6,973
Agricultural sciences	5,603	5,658	5,629	5,589	5,790	6,165	6,218	6,316
Veterinary biomedical and clinical sciences ^b	na	na	na	898	1,011	784	683	657
Biological and biomedical sciences ^a	33,926	35,306	38,078	39,920	42,728	43,062	44,703	46,661
Biochemistry	791	743	808	889	1,005	911	778	862
Biology	8,791	8,696	8,635	8,381	8,294	7,969	7,988	7,937
Biomedical sciences	4,298	4,379	5,241	5,898	5,794	5,681	6,391	6,471
Biophysics	18	6	7	8	6	8	9	9
Biostatistics and bioinformatics	2,540	2,890	3,036	3,143	3,519	3,852	4,240	4,881
Biotechnology	1,893	1,953	3,157	3,143	3,395	3,916	4,420	4,591
Botany and plant biology	378	373	392	376	363	369	378	411
Cell, cellular biology, and anatomical sciences	926	919	927	954	1,210	1,137	1,031	1,073
Ecology and population biology	921	888	939	1,052	1,201	1,058	1,035	1,085
Epidemiology	2,577	2,669	2,776	3,153	3,623	3,844	3,837	3,914
Genetics	512	557	581	620	718	749	693	712
Microbiological sciences and immunology	1,037	1,254	1,370	1,649	2,011	2,026	1,934	1,930
Molecular biology	277	364	378	378	405	408	388	412
Neurobiology and neuroscience	318	304	362	545	591	515	480	606
Nutrition science	2,144	2,546	2,385	2,370	2,871	2,905	2,959	2,999
Pathology and experimental pathology	122	93	87	105	100	106	143	153
Pharmacology and toxicology	881	873	923	770	926	996	844	916
Physiology	2,229	2,288	2,594	3,044	2,898	2,891	2,951	3,398
Zoology and animal biology	759	829	891	869	927	861	901	941
Biological and biomedical sciences nec	2,514	2,682	2,589	2,573	2,871	2,860	3,303	3,360
Computer and information sciences	75,618	77,351	84,092	80,690	102,199	129,972	143,530	137,358
Computer science	22,786	22,966	24,628	22,670	30,361	42,092	46,477	41,018
Computer and information sciences ^c	30,217	30,568	33,698	27,044	35,308	45,098	48,392	50,032
Computer and information sciences ^d	NA	NA	NA	23,625	30,804	39,719	41,959	40,902
Artificial intelligence, informatics, and computer and information science topics ^d	NA	NA	NA	3,419	4,504	5,379	6,433	9,130
Computer and information sciences nec ^c	22,615	23,817	25,766	30,976	36,530	42,782	48,661	46,308
Computer and information systems security ^d	NA	NA	NA	7,023	8,401	9,254	10,774	11,295
Information science and studies ^d	NA	NA	NA	11,671	13,098	15,478	16,138	16,134
Information technology ^d	NA	NA	NA	5,618	7,527	10,601	14,484	11,479
Computer and information sciences nec ^d	NA	NA	NA	6,664	7,504	7,449	7,265	7,400
Geosciences, atmospheric, and ocean sciences	6,006	5,629	5,327	5,277	5,520	5,186	4,793	4,909

Table 1-2. Distribution of master's students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Atmospheric sciences and meteorology	464	459	473	458	487	489	441	480
Geological and earth sciences	4,107	3,924	3,610	3,561	3,534	3,183	2,984	3,021
Ocean and marine sciences	1,275	1,246	1,244	1,258	1,499	1,514	1,368	1,408
Geosciences, atmospheric, and ocean sciences nec	160	ne	ne	ne	ne	ne	ne	ne
Mathematics and statistics	16,568	18,073	19,594	18,284	20,639	20,798	20,105	19,948
Mathematics and applied mathematics ^c	10,387	11,212	11,933	11,058	13,063	13,002	12,600	12,910
Applied mathematics ^d	NA	NA	NA	6,678	8,899	9,097	8,977	9,172
Mathematics ^d	NA	NA	NA	4,380	4,164	3,905	3,623	3,738
Statistics	6,181	6,861	7,661	7,226	7,576	7,796	7,505	7,038
Multidisciplinary and interdisciplinary sciences ^c	6,923	7,414	8,203	10,980	11,994	16,931	21,928	26,426
Biological and physical sciences ^d	NA	NA	NA	993	874	899	921	810
Computational science ^d	NA	NA	NA	1,968	2,088	3,089	2,939	2,880
Data science and data analytics ^d	NA	NA	NA	2,124	2,358	6,000	10,243	14,140
International and global studies ^d	NA	NA	NA	1,341	1,267	1,083	865	903
Multidisciplinary and interdisciplinary sciences nec ^d	NA	NA	NA	4,554	5,407	5,860	6,960	7,693
Natural resources and conservation	7,311	7,691	8,066	8,793	10,012	9,807	9,486	9,150
Environmental science and studies	3,515	3,683	3,883	4,067	4,851	4,422	4,359	4,240
Forestry, natural resources, and conservation	3,796	4,008	4,183	4,726	5,161	5,385	5,127	4,910
Physical sciences	6,368	6,075	6,361	6,275	6,409	6,256	6,000	6,008
Astronomy and astrophysics	69	72	77	76	85	100	100	112
Chemistry	3,453	3,144	3,152	3,096	3,066	3,015	2,891	2,764
Materials sciences	448	449	539	464	439	402	373	435
Physics	2,182	2,173	2,164	2,141	2,278	2,253	2,179	2,289
Physical sciences nec	216	237	429	498	541	486	457	408
Psychology ^a	29,638	35,404	40,838	47,279	51,878	48,321	49,474	49,516
Clinical psychology	3,098	3,213	3,587	3,480	4,167	4,519	4,603	4,477
Counseling and applied psychology ^c	19,413	24,714	29,322	33,652	36,482	32,491	33,591	33,595
Applied psychology ^d	NA	NA	NA	17,673	19,517	20,091	20,430	20,306
Counseling psychology ^d	NA	NA	NA	15,979	16,965	12,400	13,161	13,289
Human development ^b	na	na	na	1,499	1,566	1,525	1,321	1,295
Psychology, general	5,905	6,178	6,357	6,826	7,329	7,346	7,321	7,369
Research and experimental psychology	1,222	1,299	1,572	1,822	2,334	2,440	2,638	2,780
Social sciences ^a	41,208	42,726	43,607	43,919	47,616	44,701	41,600	40,520
Agricultural and natural resource economics	806	779	700	603	672	485	436	451
Anthropology	2,363	2,302	2,233	2,167	2,292	2,173	1,971	2,023
Criminal justice and safety studies	3,869	4,506	4,917	5,674	5,602	5,223	4,942	4,924

Table 1-2. Distribution of master's students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Economics (except agricultural and natural resource)	5,238	5,427	6,084	6,114	6,882	6,734	6,398	6,350
Geography and cartography	2,696	2,717	2,660	2,745	3,147	2,807	2,517	2,309
Human development ^b	1,349	1,329	1,339	na	na	na	na	na
International relations and national security studies	6,755	6,826	6,657	7,322	8,308	7,833	7,147	6,996
Linguistics	1,237	1,175	1,153	1,164	1,188	1,159	1,117	952
Political science and government	2,979	2,706	2,897	3,072	3,270	2,925	2,649	2,506
Public policy analysis	4,718	5,882	6,297	6,352	7,290	6,701	4,645	4,491
Sociology and population studies	2,629	2,395	2,263	2,342	2,331	2,190	1,888	1,965
Social sciences nec ^c	6,569	6,682	6,407	6,364	6,634	6,471	7,890	7,553
Area, ethnic, cultural, gender, and group studies ^d	NA	NA	NA	2,642	2,767	2,634	2,582	2,421
Criminology ^d	NA	NA	NA	1,308	1,272	1,180	1,161	1,113
Urban studies and affairs ^d	NA	NA	NA	907	827	671	648	529
Social sciences, other ^d	na	na	na	1,507	1,768	1,986	3,499	3,490
History and philosophy of science and technology ^e	25	31	32	na	na	na	na	na
Social sciences nec ^c	6,544	6,651	6,375	na	na	na	na	na
Engineering	96,756	93,064	91,939	86,450	95,126	103,020	100,567	99,571
Aerospace, aeronautical, and astronautical engineering	3,322	3,342	3,701	4,326	5,065	5,263	5,380	5,563
Biological, biomedical, and biosystems engineering	4,108	4,282	4,424	4,536	5,192	5,177	5,204	5,475
Bioengineering and biomedical engineering ^e	4,037	4,202	4,335	na	na	na	na	na
Biological and biosystems engineering ^e	71	80	89	na	na	na	na	na
Chemical, petroleum, and chemical-related engineering	4,208	3,815	3,274	2,942	2,983	3,011	2,658	2,664
Chemical engineering	3,292	3,061	2,632	2,426	2,555	2,599	2,271	2,258
Petroleum engineering	916	754	642	516	428	412	387	406
Civil, environmental, transportation and related engineering fields ^c	13,506	12,729	11,873	10,819	11,730	12,621	12,082	11,360
Civil engineering ^d	13,506	12,729	11,873	8,703	9,352	9,692	9,149	8,685
Architectural, environmental, construction and surveying engineering ^d	NA	NA	NA	2,116	2,378	2,929	2,933	2,675
Electrical, electronics, communications and computer engineering	29,816	28,108	28,177	25,312	27,695	32,316	31,093	30,841
Electrical, electronics, and communications engineering ^c	29,816	28,108	28,177	16,746	17,866	19,757	18,215	18,216
Computer engineering ^d	NA	NA	NA	8,566	9,829	12,559	12,878	12,625
Industrial, manufacturing, systems engineering and operations research	12,272	12,389	11,912	11,030	11,949	12,579	11,873	11,704
Industrial and manufacturing engineering ^c	12,272	12,389	11,912	5,569	5,284	6,349	5,821	5,044
Systems engineering and operations research ^d	NA	NA	NA	5,461	6,665	6,230	6,052	6,660
Mechanical engineering	16,279	15,434	14,861	14,305	15,718	16,029	15,335	15,136
Metallurgical, mining, materials and related engineering fields	2,427	2,395	2,266	2,299	2,518	2,545	2,462	2,503
Metallurgical and materials engineering ^e	2,115	2,079	1,974	na	na	na	na	na
Mining engineering ^e	312	316	292	na	na	na	na	na

Table 1-2. Distribution of master's students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Other engineering	10,818	10,570	11,451	10,881	12,276	13,479	14,480	14,325
Agricultural engineering	505	371	494	404	519	389	377	387
Engineering mechanics, physics, and science	679	729	852	740	782	762	696	663
Nuclear engineering	444	407	418	441	484	493	516	566
Engineering, other	na	na	na	9,296	10,491	11,835	12,891	12,709
Engineering nec ^c	9,146	9,016	9,638	na	na	na	na	na
Nanotechnology ^e	44	47	49	na	na	na	na	na
Health	52,662	56,820	56,494	60,124	65,691	66,308	61,779	58,890
Clinical medicine	25,283	27,494	26,251	29,748	34,021	33,251	28,484	26,645
Medical clinical sciences and clinical and medical laboratory sciences	NA	NA	NA	927	1,287	1,168	1,242	1,307
Public health	24,570	26,673	25,403	28,821	32,734	32,083	27,242	25,338
Clinical medicine nec	713	821	848	ne	ne	ne	ne	ne
Other health ^a	27,379	29,326	30,243	30,376	31,670	33,057	33,295	32,245
Communication disorders sciences	14,748	15,803	16,346	16,762	17,406	17,768	18,183	16,986
Dental sciences	1,450	1,478	1,315	1,366	1,500	1,545	1,420	1,420
Nursing science	1,550	1,902	1,861	1,488	1,662	1,535	1,701	1,550
Pharmaceutical sciences	1,078	1,075	1,187	1,619	1,939	2,142	2,265	2,355
Veterinary biomedical and clinical sciences ^b	458	637	881	na	na	na	na	na
Other health nec ^c	na	na	na	9,141	9,163	10,067	9,726	9,934
Kinesiology and exercise science ^d	NA	NA	NA	4,977	4,962	4,743	4,286	4,027
Other health nec ^d	8,095	8,431	8,653	4,164	4,201	5,324	5,440	5,907

na = not applicable. NA = not available; data not collected at this level of detail. ne = not eligible for graduate student reporting; the fields collected have changed over time.

nec = not elsewhere classified.

^a The following broad fields are not directly comparable between 2019 and 2020 due to changes in detailed fields: Agricultural and veterinary sciences, Biological and biomedical sciences, Psychology, Social sciences, and Other health.

^b The following detailed fields moved between broad fields between 2019 and 2020: Veterinary biomedical and clinical sciences moved from Other health to Agricultural and veterinary sciences; Human development moved from Social sciences to Psychology.

^c The following detailed fields from 2017 split into multiple fields in 2020; data after 2020 represent the aggregate counts of the new detailed fields split from the original detailed field: Computer and information sciences; Computer and information sciences nec; Mathematics and applied mathematics; Multidisciplinary and interdisciplinary sciences; Counseling and applied psychology; Social sciences nec; Civil, environmental, transportation and related engineering fields; Electrical, electronics, and communications engineering; Industrial and manufacturing engineering; Engineering nec; and Other health nec.

^d The following detailed fields were added or significantly modified in 2020: Computer and information sciences; Artificial intelligence, informatics, and computer and information science topics; Computer and information systems security; Information science and studies; Information technology; Computer and information sciences nec; Applied mathematics; Mathematics; Biological and physical sciences; Computational science; Data science and data analytics; International and global studies; Multidisciplinary and interdisciplinary sciences nec; Applied psychology; Counseling psychology; Area, ethnic, cultural, gender, and group studies; Criminology; Urban studies and affairs; Social sciences, other; Civil engineering; Computer engineering; Systems engineering and operations research; Kinesiology and exercise science; and Other health nec.

^e The following detailed fields from 2017 were moved or consolidated with other detailed fields starting in 2020: History and philosophy of science and technology; Bioengineering and biomedical engineering; Biological and biosystems engineering; Metallurgical and materials engineering; Mining engineering; and Nanotechnology.

Note(s):

Percentages may not add to total because of rounding. In the cases where field titles in the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) changed between 2019 and 2020, the titles in this table match the GSS 2020 and later titles. 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](#)." Field titles match the GSS 2020 and later titles in the few cases where field titles changed. Prior to 2020, there were no broad fields in engineering. All fields have been moved to match the current broad field organization. For information on the current fields and codes in the GSS, see [table A-5](#) and [table A-6](#).

Source(s):

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

Table 1-3. Distribution of doctoral students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
All fields	270,525	277,096	281,889	283,335	293,543	297,223	307,229	312,148
Science	186,399	190,928	193,896	196,742	203,988	206,183	212,969	216,898
Agricultural and veterinary sciences ^a	3,744	3,880	3,889	4,313	4,443	4,647	4,854	5,044
Agricultural sciences	3,744	3,880	3,889	3,791	3,906	4,145	4,354	4,522
Veterinary biomedical and clinical sciences ^b	na	na	na	522	537	502	500	522
Biological and biomedical sciences ^a	51,291	52,627	53,915	54,905	58,155	59,638	60,863	62,357
Biochemistry	4,550	4,554	4,534	4,648	4,828	4,994	4,985	5,021
Biology	7,020	7,054	7,166	7,268	7,400	7,600	7,543	7,776
Biomedical sciences	3,412	4,030	4,579	4,514	4,826	5,155	5,415	5,685
Biophysics	843	830	890	860	973	887	943	958
Biostatistics and bioinformatics	2,679	2,946	3,192	3,339	3,591	3,799	4,043	4,183
Biotechnology	91	109	98	101	128	105	123	171
Botany and plant biology	1,312	1,317	1,295	1,255	1,269	1,301	1,299	1,312
Cell, cellular biology, and anatomical sciences	4,786	4,990	4,975	5,008	5,290	5,374	5,447	5,591
Ecology and population biology	2,566	2,620	2,571	2,725	2,790	2,808	2,798	2,767
Epidemiology	1,640	1,768	1,916	2,032	2,162	2,213	2,301	2,296
Genetics	2,021	2,105	2,082	2,182	2,449	2,584	2,494	2,538
Microbiological sciences and immunology	3,974	3,914	3,937	4,124	4,371	4,466	4,654	4,710
Molecular biology	1,135	1,128	1,153	1,240	1,265	1,231	1,280	1,282
Neurobiology and neuroscience	4,871	5,046	5,138	5,275	5,758	5,933	6,100	6,233
Nutrition science	988	967	948	989	993	1,050	1,109	1,116
Pathology and experimental pathology	911	880	843	753	849	917	963	1,049
Pharmacology and toxicology	2,244	2,237	2,151	2,174	2,374	2,409	2,460	2,445
Physiology	2,627	2,631	2,703	2,758	3,041	3,021	3,150	3,286
Zoology and animal biology	1,195	1,193	1,198	1,178	1,213	1,198	1,141	1,209
Biological and biomedical sciences nec	2,426	2,308	2,546	2,482	2,585	2,593	2,615	2,729
Computer and information sciences	14,291	16,127	17,192	18,174	19,531	20,583	22,484	24,010
Computer science	7,465	8,343	8,646	9,658	10,356	10,832	11,342	12,227
Computer and information sciences ^c	5,429	6,401	6,952	6,438	6,855	7,195	8,189	8,852
Computer and information sciences ^d	NA	NA	NA	5,482	6,168	6,432	7,247	7,645
Artificial intelligence, informatics, and computer and information science topics ^d	NA	NA	NA	956	687	763	942	1,207
Computer and information sciences nec ^c	1,397	1,383	1,594	2,078	2,320	2,556	2,953	2,931
Computer and information systems security ^d	NA	NA	NA	270	342	441	724	681
Information science and studies ^d	NA	NA	NA	1,245	1,351	1,394	1,522	1,575
Information technology ^d	NA	NA	NA	405	467	550	590	586
Computer and information sciences nec ^d	NA	NA	NA	158	160	171	117	89
Geosciences, atmospheric, and ocean sciences	6,539	6,704	6,551	6,515	6,770	6,784	6,801	6,857

Table 1-3. Distribution of doctoral students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Atmospheric sciences and meteorology	884	883	866	847	902	945	990	1,021
Geological and earth sciences	4,148	4,370	4,239	4,165	4,337	4,285	4,256	4,280
Ocean and marine sciences	1,420	1,451	1,446	1,503	1,531	1,554	1,555	1,556
Geosciences, atmospheric, and ocean sciences nec	87	ne	ne	ne	ne	ne	ne	ne
Mathematics and statistics	13,101	13,388	13,565	13,687	13,619	13,589	13,788	14,031
Mathematics and applied mathematics ^c	10,124	10,230	10,308	10,300	10,219	10,244	10,341	10,471
Applied mathematics ^d	NA	NA	NA	2,211	2,255	2,127	2,163	2,168
Mathematics ^d	NA	NA	NA	8,089	7,964	8,117	8,178	8,303
Statistics	2,977	3,158	3,257	3,387	3,400	3,345	3,447	3,560
Multidisciplinary and interdisciplinary sciences ^c	2,931	2,924	2,978	3,553	3,774	4,014	4,501	5,215
Biological and physical sciences ^d	NA	NA	NA	815	887	956	975	1,037
Computational science ^d	NA	NA	NA	298	347	335	289	387
Data science and data analytics ^d	NA	NA	NA	42	46	104	173	374
International and global studies ^d	NA	NA	NA	173	183	175	131	142
Multidisciplinary and interdisciplinary sciences nec ^d	NA	NA	NA	2,225	2,311	2,444	2,933	3,275
Natural resources and conservation	3,568	3,716	3,677	3,705	3,910	3,955	4,004	4,182
Environmental science and studies	1,621	1,744	1,738	1,799	1,956	1,980	1,989	2,051
Forestry, natural resources, and conservation	1,947	1,972	1,939	1,906	1,954	1,975	2,015	2,131
Physical sciences	35,461	36,000	36,506	36,341	37,732	37,836	38,329	39,329
Astronomy and astrophysics	1,236	1,281	1,373	1,430	1,539	1,603	1,557	1,638
Chemistry	19,367	19,547	19,748	19,389	20,149	19,695	20,116	20,712
Materials sciences	927	875	1,013	1,028	1,002	1,223	1,198	1,208
Physics	13,505	13,913	13,951	13,985	14,501	14,747	14,940	15,226
Physical sciences nec	426	384	421	509	541	568	518	545
Psychology ^a	20,395	20,303	20,231	21,115	21,447	21,121	24,354	23,408
Clinical psychology	3,751	3,814	3,785	3,668	3,389	3,274	3,270	3,337
Counseling and applied psychology ^c	6,825	6,946	6,537	6,193	6,371	6,504	7,678	7,394
Applied psychology ^d	NA	NA	NA	4,833	4,910	5,104	4,768	4,609
Counseling psychology ^d	NA	NA	NA	1,360	1,461	1,400	2,910	2,785
Human development ^b	na	na	na	742	797	768	759	705
Psychology, general	7,353	6,683	6,749	6,601	6,554	5,835	7,607	6,405
Research and experimental psychology	2,466	2,860	3,160	3,911	4,336	4,740	5,040	5,567
Social sciences ^a	35,078	35,259	35,392	34,434	34,607	34,016	32,991	32,465
Agricultural and natural resource economics	872	919	806	639	522	416	304	257
Anthropology	4,562	4,471	4,365	4,296	4,129	4,047	3,825	3,740
Criminal justice and safety studies	538	663	900	988	1,227	1,390	1,482	1,508

Table 1-3. Distribution of doctoral students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Economics (except agricultural and natural resource)	7,831	7,917	8,045	7,959	8,266	8,201	8,161	8,150
Geography and cartography	1,856	1,849	1,741	1,652	1,729	1,547	1,320	1,169
Human development ^b	685	793	731	na	na	na	na	na
International relations and national security studies	398	439	413	408	474	331	326	320
Linguistics	1,646	1,548	1,616	1,686	1,652	1,695	1,610	1,600
Political science and government	5,609	5,611	5,488	5,366	5,332	5,310	5,035	4,931
Public policy analysis	2,234	2,320	2,414	2,547	2,740	2,690	2,725	2,663
Sociology and population studies	5,340	5,128	5,070	5,067	4,875	4,655	4,516	4,346
Social sciences nec ^c	3,507	3,601	3,803	3,826	3,661	3,734	3,687	3,781
Area, ethnic, cultural, gender, and group studies ^d	NA	NA	NA	2,482	2,326	2,345	2,338	2,372
Criminology ^d	NA	NA	NA	318	308	322	316	344
Urban studies and affairs ^d	NA	NA	NA	405	391	398	318	284
Social sciences, other ^d	na	na	na	621	636	669	715	781
History and philosophy of science and technology ^e	235	270	257	na	na	na	na	na
Social sciences nec ^c	3,272	3,331	3,546	na	na	na	na	na
Engineering	68,825	70,237	72,065	71,279	72,924	72,980	74,992	76,441
Aerospace, aeronautical, and astronautical engineering	2,386	2,506	2,554	2,645	2,773	2,832	2,884	3,032
Biological, biomedical, and biosystems engineering	7,008	7,481	7,934	8,239	8,867	9,265	9,999	10,330
Bioengineering and biomedical engineering ^e	6,845	7,278	7,715	na	na	na	na	na
Biological and biosystems engineering ^e	163	203	219	na	na	na	na	na
Chemical, petroleum, and chemical-related engineering	7,536	7,599	7,664	7,612	7,713	7,590	7,888	7,935
Chemical engineering	6,874	6,950	7,057	7,031	7,115	7,069	7,430	7,477
Petroleum engineering	662	649	607	581	598	521	458	458
Civil, environmental, transportation and related engineering fields ^c	7,626	7,732	7,752	7,485	7,878	7,754	7,852	7,899
Civil engineering ^d	7,626	7,732	7,752	6,517	6,760	6,629	6,702	6,740
Architectural, environmental, construction and surveying engineering ^d	NA	NA	NA	968	1,118	1,125	1,150	1,159
Electrical, electronics, communications and computer engineering	17,936	18,119	18,577	17,720	17,570	17,585	17,706	17,774
Electrical, electronics, and communications engineering ^c	17,936	18,119	18,577	14,694	14,767	14,780	14,773	14,705
Computer engineering ^d	NA	NA	NA	3,026	2,803	2,805	2,933	3,069
Industrial, manufacturing, systems engineering and operations research	3,633	3,598	3,762	3,839	3,921	3,856	3,889	4,046
Industrial and manufacturing engineering ^c	3,633	3,598	3,762	2,413	2,322	2,301	2,292	2,378
Systems engineering and operations research ^d	NA	NA	NA	1,426	1,599	1,555	1,597	1,668
Mechanical engineering	11,149	11,159	11,247	11,477	11,540	11,523	11,679	11,858
Metallurgical, mining, materials and related engineering fields	4,655	4,821	4,817	4,882	4,904	4,573	4,782	4,858
Metallurgical and materials engineering ^e	4,426	4,610	4,616	na	na	na	na	na
Mining engineering ^e	229	211	201	na	na	na	na	na

Table 1-3. Distribution of doctoral students across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Other engineering	6,896	7,222	7,758	7,380	7,758	8,002	8,313	8,709
Agricultural engineering	681	661	662	654	668	631	655	675
Engineering mechanics, physics, and science	1,457	1,428	1,447	1,468	1,457	1,588	1,694	1,674
Nuclear engineering	998	1,046	1,031	1,038	1,032	1,085	1,090	1,141
Engineering, other	na	na	na	4,220	4,601	4,698	4,874	5,219
Engineering nec ^c	3,665	4,016	4,472	na	na	na	na	na
Nanotechnology ^e	95	71	146	na	na	na	na	na
Health	15,301	15,931	15,928	15,314	16,631	18,060	19,268	18,809
Clinical medicine	4,410	4,508	4,571	4,796	5,612	5,966	6,174	6,399
Medical clinical sciences and clinical and medical laboratory sciences	NA	NA	NA	443	677	954	875	730
Public health	4,087	4,104	4,191	4,353	4,935	5,012	5,299	5,669
Clinical medicine nec	323	404	380	ne	ne	ne	ne	ne
Other health ^a	10,891	11,423	11,357	10,518	11,019	12,094	13,094	12,410
Communication disorders sciences	1,305	1,099	911	844	792	821	926	730
Dental sciences	248	247	208	217	219	228	811	800
Nursing science	3,598	3,551	3,439	3,359	3,512	3,657	3,809	3,386
Pharmaceutical sciences	2,566	2,954	3,121	2,893	2,936	3,059	2,954	3,100
Veterinary biomedical and clinical sciences ^b	577	575	692	na	na	na	na	na
Other health nec ^c	na	na	na	3,205	3,560	4,329	4,594	4,394
Kinesiology and exercise science ^d	NA	NA	NA	1,024	1,031	981	968	963
Other health nec ^d	2,597	2,997	2,986	2,181	2,529	3,348	3,626	3,431

na = not applicable. NA = not available; data not collected at this level of detail. ne = not eligible for graduate student reporting; the fields collected have changed over time.

nec = not elsewhere classified.

^a The following broad fields are not directly comparable between 2019 and 2020 due to changes in detailed fields: Agricultural and veterinary sciences, Biological and biomedical sciences, Psychology, Social sciences, and Other health.

^b The following detailed fields moved between broad fields between 2019 and 2020: Veterinary biomedical and clinical sciences moved from Other health to Agricultural and veterinary sciences; Human development moved from Social sciences to Psychology.

^c The following detailed fields from 2017 split into multiple fields in 2020; data after 2020 represent the aggregate counts of the new detailed fields split from the original detailed field: Computer and information sciences; Computer and information sciences nec; Mathematics and applied mathematics; Multidisciplinary and interdisciplinary sciences; Counseling and applied psychology; Social sciences nec; Civil, environmental, transportation and related engineering fields; Electrical, electronics, and communications engineering; Industrial and manufacturing engineering; Engineering nec; and Other health nec.

^d The following detailed fields were added or significantly modified in 2020: Computer and information sciences; Artificial intelligence, informatics, and computer and information science topics; Computer and information systems security; Information science and studies; Information technology; Computer and information sciences nec; Applied mathematics; Mathematics; Biological and physical sciences; Computational science; Data science and data analytics; International and global studies; Multidisciplinary and interdisciplinary sciences nec; Applied psychology; Counseling psychology; Area, ethnic, cultural, gender, and group studies; Criminology; Urban studies and affairs; Social sciences, other; Civil engineering; Computer engineering; Systems engineering and operations research; Kinesiology and exercise science; and Other health nec.

^e The following detailed fields from 2017 were moved or consolidated with other detailed fields starting in 2020: History and philosophy of science and technology; Bioengineering and biomedical engineering; Biological and biosystems engineering; Metallurgical and materials engineering; Mining engineering; and Nanotechnology.

Note(s):

Percentages may not add to total because of rounding. In the cases where field titles in the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) changed between 2019 and 2020, the titles in this table match the GSS 2020 and later titles. 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](#)." Field names match the GSS 2020 and later titles in the few cases where field titles changed. Prior to 2020, there were no broad fields in engineering. All fields have been moved to match the current broad field organization. For information on the current fields and codes in the GSS, see [table A-5](#) and [table A-6](#).

Source(s):

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

Table 1-4. Distribution of postdoctoral appointees across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
All fields	64,733	64,783	66,247	65,681	63,328	62,750	65,850	69,877
Science	38,241	37,564	38,503	38,741	37,189	36,673	37,982	39,702
Agricultural and veterinary sciences ^a	1,024	1,072	1,079	1,678	1,595	1,705	1,993	2,177
Agricultural sciences	1,024	1,072	1,079	1,046	1,086	1,201	1,279	1,394
Veterinary biomedical and clinical sciences ^b	na	na	na	632	509	504	714	783
Biological and biomedical sciences ^a	21,781	21,533	21,847	21,902	20,245	19,585	19,520	20,234
Biochemistry	1,933	1,943	1,912	1,863	1,743	1,756	1,684	1,778
Biology	2,167	2,108	2,203	2,169	1,979	2,064	2,036	2,133
Biomedical sciences	1,870	1,941	1,942	1,879	1,906	1,553	1,602	1,538
Biophysics	144	151	164	147	156	126	151	161
Biostatistics and bioinformatics	695	699	721	830	733	691	739	900
Biotechnology	103	86	87	96	101	155	160	131
Botany and plant biology	586	620	667	579	520	507	490	511
Cell, cellular biology, and anatomical sciences	1,859	1,814	1,785	1,661	1,663	1,599	1,583	1,532
Ecology and population biology	468	446	414	467	430	438	461	471
Epidemiology	244	230	285	307	329	377	391	390
Genetics	1,529	1,428	1,472	1,485	1,384	1,288	1,329	1,306
Microbiological sciences and immunology	2,065	2,078	1,985	2,028	1,865	1,811	1,826	1,993
Molecular biology	477	521	570	722	634	549	507	428
Neurobiology and neuroscience	2,137	2,103	2,216	2,075	1,980	1,932	1,949	2,084
Nutrition science	177	180	192	191	152	146	156	163
Pathology and experimental pathology	1,106	1,145	1,302	1,263	1,043	925	904	984
Pharmacology and toxicology	1,140	1,012	1,021	1,026	884	915	886	1,005
Physiology	1,851	1,766	1,640	1,804	1,537	1,512	1,468	1,510
Zoology and animal biology	394	428	406	397	376	411	391	368
Biological and biomedical sciences nec	836	834	863	913	830	830	807	848
Computer and information sciences	854	879	878	823	880	859	987	1,042
Computer science	468	502	487	466	521	496	524	553
Computer and information sciences ^c	256	225	263	224	217	212	289	315
Computer and information sciences ^d	NA	NA	NA	187	185	166	237	255
Artificial intelligence, informatics, and computer and information science topics ^d	NA	NA	NA	37	32	46	52	60
Computer and information sciences nec ^c	130	152	128	133	142	151	174	174
Computer and information systems security ^d	NA	NA	NA	6	9	11	8	4
Information science and studies ^d	NA	NA	NA	40	56	65	66	58
Information technology ^d	NA	NA	NA	18	6	3	2	5
Computer and information sciences nec ^d	NA	NA	NA	69	71	72	98	107
Geosciences, atmospheric, and ocean sciences	2,089	1,726	1,778	1,790	1,797	1,787	1,919	2,043

Table 1-4. Distribution of postdoctoral appointees across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Atmospheric sciences and meteorology	313	243	249	266	248	253	245	296
Geological and earth sciences	1,046	803	845	879	869	844	922	958
Ocean and marine sciences	433	401	393	360	373	414	444	477
Geosciences, atmospheric, and ocean sciences nec	297	279	291	285	307	276	308	312
Mathematics and statistics	991	982	1,070	1,076	1,112	1,110	1,220	1,238
Mathematics and applied mathematics ^c	860	833	892	924	923	910	1,016	1,034
Applied mathematics ^d	NA	NA	NA	207	202	221	203	211
Mathematics ^d	NA	NA	NA	717	721	689	813	823
Statistics	131	149	178	152	189	200	204	204
Multidisciplinary and interdisciplinary sciences ^c	1,131	980	972	832	878	840	988	1,061
Biological and physical sciences ^d	NA	NA	NA	119	125	56	48	55
Computational science ^d	NA	NA	NA	26	28	31	26	39
Data science and data analytics ^d	NA	NA	NA	57	50	48	98	113
International and global studies ^d	NA	NA	NA	13	21	27	27	48
Multidisciplinary and interdisciplinary sciences nec ^d	NA	NA	NA	617	654	678	789	806
Natural resources and conservation	731	764	806	845	889	936	937	969
Environmental science and studies	270	258	277	279	312	339	357	395
Forestry, natural resources, and conservation	461	506	529	566	577	597	580	574
Physical sciences	7,211	6,976	7,159	6,937	6,823	6,877	7,220	7,570
Astronomy and astrophysics	484	536	571	544	561	634	725	747
Chemistry	3,435	3,320	3,383	3,294	3,163	3,157	3,288	3,471
Materials sciences	300	264	259	225	213	246	247	255
Physics	2,645	2,619	2,721	2,676	2,677	2,618	2,723	2,800
Physical sciences nec	347	237	225	198	209	222	237	297
Psychology ^a	1,082	1,145	1,152	1,312	1,325	1,308	1,344	1,392
Clinical psychology	74	73	72	84	63	56	59	65
Counseling and applied psychology ^c	135	165	167	123	120	123	114	143
Applied psychology ^d	NA	NA	NA	92	110	109	105	127
Counseling psychology ^d	NA	NA	NA	31	10	14	9	16
Human development ^b	na	na	na	122	106	119	130	117
Psychology, general	696	674	663	722	705	735	768	760
Research and experimental psychology	177	233	250	261	331	275	273	307
Social sciences ^a	1,347	1,507	1,762	1,546	1,645	1,666	1,854	1,976
Agricultural and natural resource economics	57	53	52	33	42	53	72	77
Anthropology	136	137	148	153	149	150	152	173
Criminal justice and safety studies	4	12	16	17	16	15	19	12

Table 1-4. Distribution of postdoctoral appointees across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Economics (except agricultural and natural resource)	94	108	132	123	165	152	147	181
Geography and cartography	81	120	128	140	127	131	141	134
Human development ^b	123	135	156	na	na	na	na	na
International relations and national security studies	38	51	85	68	117	98	119	95
Linguistics	33	39	39	41	50	58	51	66
Political science and government	142	137	170	148	164	162	173	172
Public policy analysis	162	191	220	229	213	241	305	350
Sociology and population studies	141	149	159	155	168	166	189	206
Social sciences nec ^c	336	375	457	439	434	440	486	510
Area, ethnic, cultural, gender, and group studies ^d	NA	NA	NA	226	230	235	273	280
Criminology ^d	NA	NA	NA	2	3	8	8	8
Urban studies and affairs ^d	NA	NA	NA	5	10	18	7	27
Social sciences, other ^d	na	na	na	206	191	179	198	195
History and philosophy of science and technology ^e	9	12	21	na	na	na	na	na
Social sciences nec ^c	327	363	436	na	na	na	na	na
Engineering	7,839	7,914	8,266	8,462	8,340	8,335	9,051	9,545
Aerospace, aeronautical, and astronautical engineering	196	207	227	233	277	244	254	246
Biological, biomedical, and biosystems engineering	1,476	1,529	1,602	1,696	1,616	1,540	1,594	1,685
Bioengineering and biomedical engineering ^e	1,398	1,433	1,515	na	na	na	na	na
Biological and biosystems engineering ^e	78	96	87	na	na	na	na	na
Chemical, petroleum, and chemical-related engineering	1,262	1,205	1,229	1,157	1,167	1,239	1,501	1,552
Chemical engineering	1,197	1,142	1,157	1,108	1,133	1,215	1,471	1,514
Petroleum engineering	65	63	72	49	34	24	30	38
Civil, environmental, transportation and related engineering fields ^c	804	739	865	1,006	968	1,018	1,070	1,166
Civil engineering ^d	804	739	865	904	879	929	960	1,063
Architectural, environmental, construction and surveying engineering ^d	NA	NA	NA	102	89	89	110	103
Electrical, electronics, communications and computer engineering	1,170	1,197	1,305	1,302	1,275	1,217	1,339	1,381
Electrical, electronics, and communications engineering ^c	1,170	1,197	1,305	1,242	1,186	1,129	1,257	1,288
Computer engineering ^d	NA	NA	NA	60	89	88	82	93
Industrial, manufacturing, systems engineering and operations research	127	156	167	194	127	143	170	162
Industrial and manufacturing engineering ^c	127	156	167	83	73	72	107	98
Systems engineering and operations research ^d	NA	NA	NA	111	54	71	63	64
Mechanical engineering	1,089	1,069	1,142	1,149	1,200	1,189	1,317	1,459
Metallurgical, mining, materials and related engineering fields	565	575	665	630	562	542	557	588
Metallurgical and materials engineering ^e	550	549	642	na	na	na	na	na
Mining engineering ^e	15	26	23	na	na	na	na	na

Table 1-4. Distribution of postdoctoral appointees across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Other engineering	1,150	1,237	1,064	1,095	1,148	1,203	1,249	1,306
Agricultural engineering	111	113	112	122	112	136	154	162
Engineering mechanics, physics, and science	316	354	180	199	253	265	291	279
Nuclear engineering	94	106	80	81	99	82	103	112
Engineering, other	na	na	na	693	684	720	701	753
Engineering nec ^c	544	530	541	na	na	na	na	na
Nanotechnology ^e	85	134	151	na	na	na	na	na
Health	18,653	19,305	19,478	18,478	17,799	17,742	18,817	20,630
Clinical medicine	16,100	16,563	16,650	16,287	15,561	15,630	16,393	17,919
Medical clinical sciences and clinical and medical laboratory sciences	NA	NA	NA	430	345	450	521	650
Public health	767	791	843	914	880	796	848	887
Anesthesiology	422	436	494	466	414	313	366	453
Cardiology and cardiovascular disease	824	841	788	706	660	672	679	667
Endocrinology, diabetes, and metabolism	331	351	345	334	319	355	314	325
Gastroenterology	273	279	287	277	315	310	296	240
Hematology	338	316	434	429	362	379	354	359
Neurology and neurosurgery	1,202	1,437	1,466	1,491	1,522	1,618	1,715	1,890
Obstetrics and gynecology	294	313	312	289	230	218	274	303
Oncology and cancer research	1,974	2,012	1,830	1,541	1,504	1,391	1,512	1,595
Ophthalmology	513	517	523	456	464	476	537	618
Otorhinolaryngology	265	306	275	314	279	267	279	291
Pediatrics	1,270	1,264	1,264	1,337	1,143	1,125	1,134	1,306
Psychiatry	949	991	1,004	1,088	1,109	951	1,031	1,164
Pulmonary disease	290	286	275	296	232	238	258	278
Radiological sciences	996	1,090	1,152	1,180	1,100	1,218	1,359	1,465
Surgery	1,247	1,352	1,376	1,193	1,197	1,213	1,275	1,409
Clinical medicine nec	4,145	3,981	3,982	3,546	3,486	3,640	3,641	4,019
Other health ^a	2,553	2,742	2,828	2,191	2,238	2,112	2,424	2,711
Communication disorders sciences	79	83	75	82	88	72	94	105
Dental sciences	282	311	316	292	304	311	310	308
Nursing science	98	121	120	127	122	141	154	173
Pharmaceutical sciences	978	1,063	1,091	1,141	1,101	1,107	1,295	1,528
Veterinary biomedical and clinical sciences ^b	602	636	679	na	na	na	na	na
Other health nec ^c	na	na	na	549	623	481	571	597
Kinesiology and exercise science ^d	NA	NA	NA	84	67	71	83	83
Other health nec ^d	514	528	547	465	556	410	488	514

na = not applicable. NA = not available; data not collected at this level of detail.

nec = not elsewhere classified.

^a The following broad fields are not directly comparable between 2019 and 2020 due to changes in detailed fields: Agricultural and veterinary sciences, Biological and biomedical sciences, Psychology, Social sciences, and Other health.

^b The following detailed fields moved between broad fields between 2019 and 2020: Veterinary biomedical and clinical sciences moved from Other health to Agricultural and veterinary sciences; Human development moved from Social sciences to Psychology.

^c The following detailed fields from 2017 split into multiple fields in 2020; data after 2020 represent the aggregate counts of the new detailed fields split from the original detailed field: Computer and information sciences; Computer and information sciences nec; Mathematics and applied mathematics; Multidisciplinary and interdisciplinary sciences; Counseling and applied psychology; Social sciences nec; Civil, environmental, transportation and related engineering fields; Electrical, electronics, and communications engineering; Industrial and manufacturing engineering; Engineering nec; and Other health nec.

^d The following detailed fields were added or significantly modified in 2020: Computer and information sciences; Artificial intelligence, informatics, and computer and information science topics; Computer and information systems security; Information science and studies; Information technology; Computer and information sciences nec; Applied mathematics; Mathematics; Biological and physical sciences; Computational science; Data science and data analytics; International and global studies; Multidisciplinary and interdisciplinary sciences nec; Applied psychology; Counseling psychology; Area, ethnic, cultural, gender, and group studies; Criminology; Urban studies and affairs; Social sciences, other; Civil engineering; Computer engineering; Systems engineering and operations research; Kinesiology and exercise science; and Other health nec.

^e The following detailed fields from 2017 were moved or consolidated with other detailed fields starting in 2020: History and philosophy of science and technology; Bioengineering and biomedical engineering; Biological and biosystems engineering; Metallurgical and materials engineering; Mining engineering; and Nanotechnology.

Note(s):

Percentages may not add to total because of rounding. In the cases where field titles in the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) changed between 2019 and 2020, the titles in this table match the GSS 2020 and later titles. Prior to 2020, there were no broad fields in engineering. All fields have been moved to match the current broad field organization. For information on the current fields and codes in the GSS, see [table A-5](#) and [table A-6](#).

Source(s):

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

Table 1-5. Distribution of doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
All fields	28,180	29,284	30,349	29,661	30,548	32,279	34,342	35,142
Science	17,268	18,278	18,819	18,212	18,728	19,423	20,600	20,566
Agricultural and veterinary sciences ^a	496	565	645	964	902	1,068	1,238	1,234
Agricultural sciences	496	565	645	650	602	755	824	900
Veterinary biomedical and clinical sciences ^b	na	na	na	314	300	313	414	334
Biological and biomedical sciences ^a	8,203	8,250	8,229	8,112	8,187	8,207	8,589	8,795
Biochemistry	757	723	755	800	822	843	841	913
Biology	847	897	766	776	784	754	772	827
Biomedical sciences	533	588	622	406	419	571	571	632
Biophysics	46	25	36	66	77	79	79	81
Biostatistics and bioinformatics	357	393	400	380	338	357	366	417
Biotechnology	91	102	91	95	87	87	96	85
Botany and plant biology	228	343	314	258	230	218	227	191
Cell, cellular biology, and anatomical sciences	600	610	579	548	533	590	675	681
Ecology and population biology	242	248	183	230	250	221	236	206
Epidemiology	107	99	99	126	128	122	145	168
Genetics	510	405	501	545	591	551	557	612
Microbiological sciences and immunology	863	773	764	750	711	708	718	761
Molecular biology	133	186	233	225	239	210	222	240
Neurobiology and neuroscience	852	732	726	789	795	800	920	802
Nutrition science	113	165	136	143	137	98	100	93
Pathology and experimental pathology	444	398	422	401	382	308	329	385
Pharmacology and toxicology	436	372	377	394	433	387	358	474
Physiology	616	681	723	731	663	714	708	702
Zoology and animal biology	127	160	168	137	174	187	196	138
Biological and biomedical sciences nec	301	350	334	312	394	402	473	387
Computer and information sciences	476	515	510	458	457	507	631	653
Computer science	279	261	274	218	209	192	194	181
Computer and information sciences ^c	134	143	137	147	150	174	269	310
Computer and information sciences ^d	NA	NA	NA	104	111	134	217	249
Artificial intelligence, informatics, and computer and information science topics ^d	NA	NA	NA	43	39	40	52	61
Computer and information sciences nec ^c	63	111	99	93	98	141	168	162
Computer and information systems security ^d	NA	NA	NA	2	18	18	16	16
Information science and studies ^d	NA	NA	NA	21	19	30	44	61
Information technology ^d	NA	NA	NA	14	13	11	16	18
Computer and information sciences nec ^d	NA	NA	NA	56	48	82	92	67
Geosciences, atmospheric, and ocean sciences	1,794	2,106	2,177	2,150	2,308	2,448	2,455	2,253

Table 1-5. Distribution of doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Atmospheric sciences and meteorology	402	426	434	461	471	515	512	425
Geological and earth sciences	603	991	1,104	1,046	1,121	1,127	1,247	1,069
Ocean and marine sciences	399	365	321	330	360	385	418	359
Geosciences, atmospheric, and ocean sciences nec	390	324	318	313	356	421	278	400
Mathematics and statistics	240	266	305	201	235	251	307	199
Mathematics and applied mathematics ^c	195	207	226	144	176	198	241	164
Applied mathematics ^d	NA	NA	NA	50	66	73	99	64
Mathematics ^d	NA	NA	NA	94	110	125	142	100
Statistics	45	59	79	57	59	53	66	35
Multidisciplinary and interdisciplinary sciences ^c	806	832	820	679	816	931	818	890
Biological and physical sciences ^d	NA	NA	NA	56	38	43	42	45
Computational science ^d	NA	NA	NA	38	56	62	58	72
Data science and data analytics ^d	NA	NA	NA	22	26	32	56	71
International and global studies ^d	NA	NA	NA	16	14	17	15	19
Multidisciplinary and interdisciplinary sciences nec ^d	NA	NA	NA	547	682	777	647	683
Natural resources and conservation	364	580	582	573	620	605	663	649
Environmental science and studies	147	217	215	167	204	201	226	234
Forestry, natural resources, and conservation	217	363	367	406	416	404	437	415
Physical sciences	2,871	3,056	3,316	2,890	2,895	2,894	3,095	3,093
Astronomy and astrophysics	494	472	602	569	558	573	600	635
Chemistry	931	974	983	906	848	876	845	877
Materials sciences	82	73	64	73	64	77	69	70
Physics	1,306	1,354	1,458	1,151	1,235	1,162	1,210	1,150
Physical sciences nec	58	183	209	191	190	206	371	361
Psychology ^a	494	507	576	749	803	786	950	892
Clinical psychology	40	9	11	16	23	9	20	17
Counseling and applied psychology ^c	47	38	120	90	75	81	126	112
Applied psychology ^d	NA	NA	NA	64	60	70	118	104
Counseling psychology ^d	NA	NA	NA	26	15	11	8	8
Human development ^b	na	na	na	137	110	148	158	156
Psychology, general	247	302	328	348	389	417	472	415
Research and experimental psychology	160	158	117	158	206	131	174	192
Social sciences ^a	1,524	1,601	1,659	1,436	1,505	1,726	1,854	1,908
Agricultural and natural resource economics	44	62	51	52	41	31	51	41
Anthropology	85	76	99	81	79	74	70	75
Criminal justice and safety studies	5	10	13	12	8	21	22	23

Table 1-5. Distribution of doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Economics (except agricultural and natural resource)	166	156	155	176	164	152	152	139
Geography and cartography	98	105	110	103	106	100	118	114
Human development ^b	160	130	164	na	na	na	na	na
International relations and national security studies	45	59	50	51	76	92	139	103
Linguistics	46	37	29	39	40	55	59	53
Political science and government	72	72	83	64	74	87	93	94
Public policy analysis	292	311	337	361	358	468	475	518
Sociology and population studies	143	154	164	148	145	168	196	227
Social sciences nec ^c	368	429	404	349	414	478	479	521
Area, ethnic, cultural, gender, and group studies ^d	NA	NA	NA	134	122	96	143	183
Criminology ^d	NA	NA	NA	7	11	15	10	10
Urban studies and affairs ^d	NA	NA	NA	18	28	37	21	51
Social sciences, other ^d	na	na	na	190	253	330	305	277
History and philosophy of science and technology ^e	9	1	3	na	na	na	na	na
Social sciences nec ^c	359	428	401	na	na	na	na	na
Engineering	3,274	3,570	3,909	3,921	3,992	4,355	4,575	4,436
Aerospace, aeronautical, and astronautical engineering	102	115	124	149	144	153	166	167
Biological, biomedical, and biosystems engineering	451	491	545	525	589	685	674	680
Bioengineering and biomedical engineering ^e	415	440	492	na	na	na	na	na
Biological and biosystems engineering ^e	36	51	53	na	na	na	na	na
Chemical, petroleum, and chemical-related engineering	340	337	410	330	307	313	349	363
Chemical engineering	281	257	328	274	257	265	303	317
Petroleum engineering	59	80	82	56	50	48	46	46
Civil, environmental, transportation and related engineering fields ^c	422	414	492	488	479	569	654	583
Civil engineering ^d	422	414	492	451	446	497	571	497
Architectural, environmental, construction and surveying engineering ^d	NA	NA	NA	37	33	72	83	86
Electrical, electronics, communications and computer engineering	557	588	637	706	755	734	799	698
Electrical, electronics, and communications engineering ^c	557	588	637	647	684	673	731	630
Computer engineering ^d	NA	NA	NA	59	71	61	68	68
Industrial, manufacturing, systems engineering and operations research	119	105	137	155	107	197	221	164
Industrial and manufacturing engineering ^c	119	105	137	53	53	74	83	84
Systems engineering and operations research ^d	NA	NA	NA	102	54	123	138	80
Mechanical engineering	458	489	531	469	529	527	560	566
Metallurgical, mining, materials and related engineering fields	233	267	303	299	259	280	249	260
Metallurgical and materials engineering ^e	181	215	242	na	na	na	na	na
Mining engineering ^e	52	52	61	na	na	na	na	na

Table 1-5. Distribution of doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2017–24

(Number)

Detailed field	2017	2018	2019	2020	2021	2022	2023	2024
Other engineering	592	764	730	800	823	897	903	955
Agricultural engineering	52	60	55	54	55	48	53	51
Engineering mechanics, physics, and science	200	220	186	177	193	199	190	185
Nuclear engineering	22	41	41	45	40	41	35	32
Engineering, other	na	na	na	524	535	609	625	687
Engineering nec ^c	285	400	372	na	na	na	na	na
Nanotechnology ^e	33	43	76	na	na	na	na	na
Health	7,638	7,436	7,621	7,528	7,828	8,501	9,167	10,140
Clinical medicine	6,448	6,159	6,273	6,500	6,751	7,351	7,798	8,618
Medical clinical sciences and clinical and medical laboratory sciences	NA	NA	NA	167	134	128	477	383
Public health	611	646	687	616	656	742	911	799
Anesthesiology	147	139	155	122	108	129	129	181
Cardiology and cardiovascular disease	248	238	200	182	215	227	228	230
Endocrinology, diabetes, and metabolism	98	102	107	91	103	109	122	123
Gastroenterology	96	92	98	96	112	105	89	76
Hematology	111	114	160	164	180	199	168	174
Neurology and neurosurgery	493	425	496	469	527	580	533	730
Obstetrics and gynecology	117	94	104	93	106	107	121	137
Oncology and cancer research	620	637	630	644	549	648	587	642
Ophthalmology	377	297	261	287	259	303	295	349
Otorhinolaryngology	116	142	121	125	119	119	148	180
Pediatrics	657	624	597	643	632	742	743	769
Psychiatry	236	235	241	307	279	351	346	424
Pulmonary disease	144	136	107	119	100	116	118	107
Radiological sciences	395	436	391	401	381	444	465	555
Surgery	505	523	527	507	561	572	608	697
Clinical medicine nec	1,477	1,279	1,391	1,467	1,730	1,730	1,710	2,062
Other health ^a	1,190	1,277	1,348	1,028	1,077	1,150	1,369	1,522
Communication disorders sciences	66	68	46	49	83	86	85	103
Dental sciences	78	92	110	103	123	140	159	159
Nursing science	101	96	97	103	117	166	187	180
Pharmaceutical sciences	368	344	392	377	372	379	469	523
Veterinary biomedical and clinical sciences ^b	260	330	290	na	na	na	na	na
Other health nec ^c	na	na	na	396	382	379	469	557
Kinesiology and exercise science ^d	NA	NA	NA	46	31	49	50	63
Other health nec ^d	317	347	413	350	351	330	419	494

na = not applicable. NA = not available; data not collected at this level of detail.

nec = not elsewhere classified.

^a The following broad fields are not directly comparable between 2019 and 2020 due to changes in detailed fields: Agricultural and veterinary sciences, Biological and biomedical sciences, Psychology, Social sciences, and Other health.

^b The following detailed fields moved between broad fields between 2019 and 2020: Veterinary biomedical and clinical sciences moved from Other health to Agricultural and veterinary sciences; Human development moved from Social sciences to Psychology.

^c The following detailed fields from 2017 split into multiple fields in 2020; data after 2020 represent the aggregate counts of the new detailed fields split from the original detailed field: Computer and information sciences; Computer and information sciences nec; Mathematics and applied mathematics; Multidisciplinary and interdisciplinary sciences; Counseling and applied psychology; Social sciences nec; Civil, environmental, transportation and related engineering fields; Electrical, electronics, and communications engineering; Industrial and manufacturing engineering; Engineering nec; and Other health nec.

^d The following detailed fields were added or significantly modified in 2020: Computer and information sciences; Artificial intelligence, informatics, and computer and information science topics; Computer and information systems security; Information science and studies; Information technology; Computer and information sciences nec; Applied mathematics; Mathematics; Biological and physical sciences; Computational science; Data science and data analytics; International and global studies; Multidisciplinary and interdisciplinary sciences nec; Applied psychology; Counseling psychology; Area, ethnic, cultural, gender, and group studies; Criminology; Urban studies and affairs; Social sciences, other; Civil engineering; Computer engineering; Systems engineering and operations research; Kinesiology and exercise science; and Other health nec.

^e The following detailed fields from 2017 were moved or consolidated with other detailed fields starting in 2020: History and philosophy of science and technology; Bioengineering and biomedical engineering; Biological and biosystems engineering; Metallurgical and materials engineering; Mining engineering; and Nanotechnology.

Note(s):

Percentages may not add to total because of rounding. In the cases where field titles in the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) changed between 2019 and 2020, the titles in this table match the GSS 2020 and later titles. Prior to 2020, there were no broad fields in engineering. All fields have been moved to match the current broad field organization. For information on the current fields and codes in the GSS, see [table A-5](#) and [table A-6](#).

Source(s):

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

Table 1-6. Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1977–2024

(Number and percent)

Year	Graduate students					Postdoctoral appointees					Doctorate-holding nonfaculty researchers				
	Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
1977	345,374	244,924	70.9	100,450	29.1	na	na	na	na	na	na	na	na	na	na
1978	339,912	NA	NA	NA	NA	na	na	na	na	na	na	na	na	na	na
1979	357,578	240,839	67.4	116,739	32.6	18,101	14,761	81.5	3,340	18.5	2,687	2,076	77.3	611	22.7
1980	367,078	242,956	66.2	124,122	33.8	18,399	14,856	80.7	3,543	19.3	3,260	2,571	78.9	689	21.1
1981	375,130	243,558	64.9	131,572	35.1	19,634	15,554	79.2	4,080	20.8	3,559	2,809	78.9	750	21.1
1982	382,291	246,298	64.4	135,993	35.6	19,363	14,992	77.4	4,371	22.6	4,026	3,183	79.1	843	20.9
1983	390,432	250,928	64.3	139,504	35.7	20,712	15,919	76.9	4,793	23.1	4,896	3,915	80.0	981	20.0
1984	394,670	252,653	64.0	142,017	36.0	21,535	16,494	76.6	5,041	23.4	5,042	3,896	77.3	1,146	22.7
1985	404,021	258,216	63.9	145,805	36.1	22,387	16,973	75.8	5,414	24.2	5,103	3,826	75.0	1,277	25.0
1986	415,520	264,733	63.7	150,787	36.3	23,721	17,741	74.8	5,980	25.2	4,846	3,586	74.0	1,260	26.0
1987	421,497	267,941	63.6	153,556	36.4	24,881	18,498	74.3	6,383	25.7	4,597	3,354	73.0	1,243	27.0
1988	424,523	265,390	62.5	159,133	37.5	26,123	19,321	74.0	6,802	26.0	4,869	3,603	74.0	1,266	26.0
1989	434,478	268,725	61.9	165,753	38.1	27,932	20,560	73.6	7,372	26.4	4,908	3,623	73.8	1,285	26.2
1990	452,113	275,672	61.0	176,441	39.0	29,565	21,572	73.0	7,993	27.0	5,255	3,879	73.8	1,376	26.2
1991	471,212	284,897	60.5	186,315	39.5	30,865	22,406	72.6	8,459	27.4	5,478	4,026	73.5	1,452	26.5
1992	493,522	294,222	59.6	199,300	40.4	32,747	23,450	71.6	9,297	28.4	5,482	4,036	73.6	1,446	26.4
1993	504,304	294,476	58.4	209,828	41.6	34,322	24,381	71.0	9,941	29.0	6,001	4,376	72.9	1,625	27.1
1994	504,399	288,355	57.2	216,044	42.8	36,377	25,471	70.0	10,906	30.0	6,209	4,487	72.3	1,722	27.7
1995	499,640	279,305	55.9	220,335	44.1	35,926	25,024	69.7	10,902	30.3	6,534	4,785	73.2	1,749	26.8
1996	494,079	271,660	55.0	222,419	45.0	37,107	25,841	69.6	11,266	30.4	6,604	4,692	71.0	1,912	29.0
1997	487,208	264,497	54.3	222,711	45.7	38,481	26,506	68.9	11,975	31.1	6,722	4,733	70.4	1,989	29.6
1998	485,627	261,019	53.7	224,608	46.3	40,086	27,249	68.0	12,837	32.0	7,100	4,985	70.2	2,115	29.8
1999	493,256	262,675	53.3	230,581	46.7	40,800	27,831	68.2	12,969	31.8	7,573	5,244	69.2	2,329	30.8
2000	493,311	262,109	53.1	231,202	46.9	43,115	29,606	68.7	13,509	31.3	7,879	5,493	69.7	2,386	30.3
2001	509,607	271,155	53.2	238,452	46.8	43,311	29,310	67.7	14,001	32.3	7,531	5,041	66.9	2,490	33.1
2002	540,404	287,059	53.1	253,345	46.9	45,034	29,850	66.3	15,184	33.7	7,906	5,329	67.4	2,577	32.6
2003	567,121	298,682	52.7	268,439	47.3	46,728	30,692	65.7	16,036	34.3	8,473	5,700	67.3	2,773	32.7
2004	574,463	296,714	51.7	277,749	48.3	47,240	30,867	65.3	16,373	34.7	9,075	6,049	66.7	3,026	33.3
2005	582,226	295,291	50.7	286,935	49.3	48,555	31,515	64.9	17,040	35.1	9,527	6,305	66.2	3,222	33.8
2006	597,643	299,818	50.2	297,825	49.8	49,343	31,760	64.4	17,583	35.6	10,814	7,190	66.5	3,624	33.5
2007old ^a	607,823	308,152	50.7	299,671	49.3	50,712	32,860	64.8	17,852	35.2	10,736	7,060	65.8	3,676	34.2
2007new ^a	619,499	312,009	50.4	307,490	49.6	50,840	32,942	64.8	17,898	35.2	10,752	7,065	65.7	3,687	34.3
2008	631,489	320,310	50.7	311,179	49.3	54,164	33,943	62.7	20,221	37.3	13,747	8,667	63.0	5,080	37.0
2009	631,645	328,525	52.0	303,120	48.0	57,805	35,987	62.3	21,818	37.7	14,059	8,795	62.6	5,264	37.4
2010 ^{b,c}	632,652	335,481	53.0	297,171	47.0	63,439	38,869	61.3	24,570	38.7	21,345	12,927	60.6	8,418	39.4

na = not applicable; master's and doctoral students were not reported separately until 2017, and data on postdoctoral appointees (postdocs) and nonfaculty researchers (NFRs) were not collected until 1979. NA = not available; master's-granting institutions were not surveyed in 1978, and the survey of doctorate-granting institutions did not collect data by sex.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^b In 2010, the postdoctoral appointee (postdoc) and nonfaculty researcher (NFR) section of the survey was expanded and significant effort was made to ensure that appropriate personnel were providing postdoc and NFR data. Thus, it is unclear how much of the increases in 2010 and later years over 2009 and prior years are from growth in postdocs and NFRs and how much are from improved data collection. More information on the changes to the data collection is available at <https://www.nsf.gov/statistics/infbrief/nsf13334/>.

^c Postdoc and NFR data from 2010 and 2011 were reimputed following the 2012 data collection; these data supersede those contained in previous reports.

^d In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^e As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended. Due to changes in reporting, NFR estimates for 2017old are not available.

Note(s):

Percentages may not add to total because of rounding. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-7. Citizenship of graduate students and postdoctoral appointees in science, engineering, and health: 1980–2024

(Number and percent)

Year	Graduate students					Postdoctoral appointees				
	Total	U.S. citizens and permanent residents		Temporary visa holders		Total	U.S. citizens and permanent residents		Temporary visa holders	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent
1980	367,078	316,776	86.3	50,302	13.7	18,399	11,893	64.6	6,506	35.4
1981	375,130	320,655	85.5	54,475	14.5	19,634	12,340	62.9	7,294	37.1
1982	382,291	314,458	82.3	67,833	17.7	19,363	12,129	62.6	7,234	37.4
1983	390,432	317,185	81.2	73,247	18.8	20,712	13,193	63.7	7,519	36.3
1984	394,670	319,648	81.0	75,022	19.0	21,535	13,548	62.9	7,987	37.1
1985	404,021	324,081	80.2	79,940	19.8	22,387	13,528	60.4	8,859	39.6
1986	415,520	328,234	79.0	87,286	21.0	23,721	14,041	59.2	9,680	40.8
1987	421,497	329,350	78.1	92,147	21.9	24,881	14,133	56.8	10,748	43.2
1988	424,523	327,279	77.1	97,244	22.9	26,123	14,420	55.2	11,703	44.8
1989	434,478	332,503	76.5	101,975	23.5	27,932	14,863	53.2	13,069	46.8
1990	452,113	345,047	76.3	107,066	23.7	29,565	15,115	51.1	14,450	48.9
1991	471,212	358,025	76.0	113,187	24.0	30,865	15,135	49.0	15,730	51.0
1992	493,522	379,605	76.9	113,917	23.1	32,747	15,800	48.2	16,947	51.8
1993	504,304	393,985	78.1	110,319	21.9	34,322	16,727	48.7	17,595	51.3
1994	504,399	397,852	78.9	106,547	21.1	36,377	17,986	49.4	18,391	50.6
1995	499,640	396,755	79.4	102,885	20.6	35,926	18,142	50.5	17,784	49.5
1996	494,079	391,095	79.2	102,984	20.8	37,107	18,412	49.6	18,695	50.4
1997	487,208	383,327	78.7	103,881	21.3	38,481	18,916	49.2	19,565	50.8
1998	485,627	378,560	78.0	107,067	22.0	40,086	19,710	49.2	20,376	50.8
1999	493,256	377,802	76.6	115,454	23.4	40,800	18,884	46.3	21,916	53.7
2000	493,311	364,894	74.0	128,417	26.0	43,115	19,452	45.1	23,663	54.9
2001	509,607	368,737	72.4	140,870	27.6	43,311	18,379	42.4	24,932	57.6
2002	540,404	387,416	71.7	152,988	28.3	45,034	19,663	43.7	25,371	56.3
2003	567,121	412,105	72.7	155,016	27.3	46,728	19,663	42.1	27,065	57.9
2004	574,463	423,218	73.7	151,245	26.3	47,240	20,156	42.7	27,084	57.3
2005	582,226	434,730	74.7	147,496	25.3	48,555	21,507	44.3	27,048	55.7
2006	597,643	446,625	74.7	151,018	25.3	49,343	21,147	42.9	28,196	57.1
2007old ^a	607,823	450,251	74.1	157,572	25.9	50,712	22,022	43.4	28,690	56.6
2007new ^a	619,499	460,294	74.3	159,205	25.7	50,840	22,103	43.5	28,737	56.5
2008	631,489	463,450	73.4	168,039	26.6	54,164	24,915	46.0	29,249	54.0
2009	631,645	459,648	72.8	171,997	27.2	57,805	27,105	46.9	30,700	53.1
2010 ^{b,c}	632,652	458,492	72.5	174,160	27.5	63,439	30,155	47.5	33,284	52.5
2011 ^c	626,820	450,523	71.9	176,297	28.1	62,639	29,712	47.4	32,927	52.6
2012	627,243	443,697	70.7	183,546	29.3	62,851	29,864	47.5	32,987	52.5
2013	633,010	436,296	68.9	196,714	31.1	61,942	29,546	47.7	32,396	52.3

Table 1-7. Citizenship of graduate students and postdoctoral appointees in science, engineering, and health: 1980–2024

(Number and percent)

Year	Graduate students					Postdoctoral appointees				
	Total	U.S. citizens and permanent residents		Temporary visa holders		Total	U.S. citizens and permanent residents		Temporary visa holders	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent
2014old ^d	650,738	429,133	65.9	221,605	34.1	62,379	29,630	47.5	32,749	52.5
2014new ^d	666,586	439,309	65.9	227,277	34.1	63,593	30,095	47.3	33,498	52.7
2015	685,397	441,956	64.5	243,441	35.5	63,861	28,726	45.0	35,135	55.0
2016	684,825	436,139	63.7	248,686	36.3	64,712	29,810	46.1	34,902	53.9
2017old ^e	684,096	446,676	65.3	237,420	34.7	64,888	30,197	46.5	34,691	53.5
2017new ^e	649,112	416,481	64.2	232,631	35.8	64,733	30,110	46.5	34,623	53.5
2018	668,307	438,581	65.6	229,726	34.4	64,783	29,622	45.7	35,161	54.3
2019	690,117	456,504	66.1	233,613	33.9	66,247	29,452	44.5	36,795	55.5
2020	697,813	487,051	69.8	210,762	30.2	65,681	29,890	45.5	35,791	54.5
2021	760,156	515,597	67.8	244,559	32.2	63,328	29,755	47.0	33,573	53.0
2022	798,534	500,299	62.7	298,235	37.3	62,750	27,289	43.5	35,461	56.5
2023	818,095	495,808	60.6	322,287	39.4	65,850	27,701	42.1	38,149	57.9
2024	818,078	503,509	61.5	314,569	38.5	69,877	29,131	41.7	40,746	58.3
Master's students										
2017new ^e	378,587	251,896	66.5	126,691	33.5	na	na	na	na	na
2018	391,211	271,290	69.3	119,921	30.7	na	na	na	na	na
2019	408,228	287,370	70.4	120,858	29.6	na	na	na	na	na
2020	414,478	314,305	75.8	100,173	24.2	na	na	na	na	na
2021	466,613	337,655	72.4	128,958	27.6	na	na	na	na	na
2022	501,311	322,005	64.2	179,306	35.8	na	na	na	na	na
2023	510,866	313,609	61.4	197,257	38.6	na	na	na	na	na
2024	505,930	322,215	63.7	183,715	36.3	na	na	na	na	na
Doctoral students										
2017new ^e	270,525	164,585	60.8	105,940	39.2	na	na	na	na	na
2018	277,096	167,291	60.4	109,805	39.6	na	na	na	na	na
2019	281,889	169,134	60.0	112,755	40.0	na	na	na	na	na
2020	283,335	172,746	61.0	110,589	39.0	na	na	na	na	na
2021	293,543	177,942	60.6	115,601	39.4	na	na	na	na	na
2022	297,223	178,294	60.0	118,929	40.0	na	na	na	na	na
2023	307,229	182,199	59.3	125,030	40.7	na	na	na	na	na
2024	312,148	181,294	58.1	130,854	41.9	na	na	na	na	na

na = not applicable; master's and doctoral students were not reported separately until 2017.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^b In 2010, the postdoctoral appointee (postdoc) section of the survey was expanded and significant effort was made to ensure that appropriate personnel were providing postdoc and nonfaculty researcher (NFR) data. Thus, it is unclear how much of the increases in 2010 and later years over 2009 and prior years are from growth in postdocs and NFRs and how much are from improved data collection. More information on the changes to the data collection is available at <https://www.nsf.gov/statistics/infbrief/nsf13334/>.

^c Postdoc and NFR data from 2010 and 2011 were reimputed following the 2012 data collection; these data supersede those contained in previous reports.

^d In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^e As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-8. Ethnicity and race of U.S. citizen and permanent resident graduate students in science, engineering, and health: 2000–24

(Number and percent)

Year	Total	U.S. citizens and permanent residents															
		Hispanic or Latino		Not Hispanic or Latino												Unknown ethnicity and race	
				American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White		More than one race			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2000	364,894	21,327	5.8	2,021	0.6	28,568	7.8	25,928	7.1	1,622	0.4	261,112	71.6	520	0.1	23,796	6.5
2001	368,737	22,329	6.1	2,136	0.6	30,528	8.3	27,071	7.3	1,417	0.4	260,371	70.6	551	0.1	24,334	6.6
2002	387,416	24,282	6.3	2,239	0.6	33,625	8.7	28,715	7.4	1,293	0.3	270,025	69.7	467	0.1	26,770	6.9
2003	412,105	26,684	6.5	2,399	0.6	36,756	8.9	31,242	7.6	1,399	0.3	283,241	68.7	493	0.1	29,891	7.3
2004	423,218	28,031	6.6	2,354	0.6	36,084	8.5	32,496	7.7	1,651	0.4	288,574	68.2	569	0.1	33,459	7.9
2005	434,730	29,309	6.7	2,485	0.6	36,432	8.4	33,547	7.7	1,332	0.3	292,276	67.2	629	0.1	38,720	8.9
2006	446,625	30,510	6.8	2,689	0.6	36,635	8.2	34,866	7.8	1,228	0.3	299,275	67.0	608	0.1	40,814	9.1
2007old ^a	450,251	31,110	6.9	2,777	0.6	36,924	8.2	34,934	7.8	1,472	0.3	298,917	66.4	662	0.1	43,455	9.7
2007new ^a	460,294	31,700	6.9	2,862	0.6	37,297	8.1	35,923	7.8	1,485	0.3	306,001	66.5	667	0.1	44,359	9.6
2008	463,450	31,648	6.8	3,286	0.7	36,579	7.9	37,047	8.0	1,426	0.3	306,989	66.2	1,556	0.3	44,919	9.7
2009	459,648	32,336	7.0	3,042	0.7	37,310	8.1	37,349	8.1	1,350	0.3	302,677	65.8	2,645	0.6	42,939	9.3
2010	458,492	33,375	7.3	2,884	0.6	37,228	8.1	38,199	8.3	1,354	0.3	299,993	65.4	5,816	1.3	39,643	8.6
2011	450,523	35,028	7.8	2,741	0.6	37,516	8.3	38,902	8.6	1,318	0.3	293,640	65.2	6,899	1.5	34,479	7.7
2012	443,697	35,858	8.1	2,507	0.6	37,119	8.4	38,340	8.6	1,176	0.3	287,786	64.9	8,714	2.0	32,197	7.3
2013	436,296	37,283	8.5	2,517	0.6	37,137	8.5	37,197	8.5	1,037	0.2	281,354	64.5	9,160	2.1	30,611	7.0
2014old ^b	429,133	37,746	8.8	2,320	0.5	37,453	8.7	36,113	8.4	997	0.2	275,389	64.2	10,440	2.4	28,675	6.7
2014new ^b	439,309	39,881	9.1	2,385	0.5	38,264	8.7	36,280	8.3	1,022	0.2	281,285	64.0	10,649	2.4	29,543	6.7
2015	441,956	43,177	9.8	2,306	0.5	39,810	9.0	37,245	8.4	1,048	0.2	278,364	63.0	11,521	2.6	28,485	6.4
2016	436,139	45,171	10.4	2,147	0.5	40,500	9.3	36,634	8.4	991	0.2	272,317	62.4	12,023	2.8	26,356	6.0
2017old ^c	446,676	48,491	10.9	2,065	0.5	43,385	9.7	37,853	8.5	825	0.2	274,128	61.4	14,376	3.2	25,553	5.7
2017new ^c	416,481	44,621	10.7	1,850	0.4	42,045	10.1	32,749	7.9	703	0.2	257,302	61.8	13,539	3.3	23,672	5.7
2018	438,581	49,084	11.2	1,932	0.4	45,307	10.3	35,943	8.2	730	0.2	265,735	60.6	14,864	3.4	24,986	5.7
2019	456,504	54,467	11.9	2,077	0.5	48,844	10.7	38,048	8.3	744	0.2	272,545	59.7	15,613	3.4	24,166	5.3
2020	487,051	62,679	12.9	2,042	0.4	53,094	10.9	41,916	8.6	778	0.2	284,055	58.3	17,579	3.6	24,908	5.1
2021	515,597	69,174	13.4	2,105	0.4	60,203	11.7	45,302	8.8	792	0.2	294,198	57.1	19,471	3.8	24,352	4.7
2022	500,299	69,621	13.9	2,082	0.4	61,426	12.3	44,016	8.8	738	0.1	279,657	55.9	19,331	3.9	23,428	4.7
2023	495,808	70,428	14.2	1,984	0.4	62,549	12.6	46,276	9.3	754	0.2	269,477	54.4	20,004	4.0	24,336	4.9
2024	503,509	74,906	14.9	1,943	0.4	67,831	13.5	47,689	9.5	724	0.1	263,323	52.3	20,903	4.2	26,190	5.2
Master's students																	
2017new ^c	251,896	29,622	11.8	1,136	0.5	26,093	10.4	23,266	9.2	468	0.2	148,031	58.8	8,119	3.2	15,161	6.0
2018	271,290	32,923	12.1	1,219	0.4	28,557	10.5	25,878	9.5	497	0.2	156,010	57.5	9,120	3.4	17,086	6.3
2019	287,370	36,777	12.8	1,327	0.5	31,301	10.9	27,598	9.6	542	0.2	163,836	57.0	9,593	3.3	16,396	5.7
2020	314,305	43,750	13.9	1,284	0.4	35,075	11.2	30,842	9.8	578	0.2	175,090	55.7	11,069	3.5	16,617	5.3
2021	337,655	48,681	14.4	1,356	0.4	40,607	12.0	33,129	9.8	597	0.2	184,608	54.7	12,301	3.6	16,376	4.8

Table 1-8. Ethnicity and race of U.S. citizen and permanent resident graduate students in science, engineering, and health: 2000–24

(Number and percent)

Year	Total	U.S. citizens and permanent residents															
		Hispanic or Latino		Not Hispanic or Latino												Unknown ethnicity and race	
		Number	Percent	American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White		More than one race		Number	Percent
				Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
2022	322,005	48,303	15.0	1,331	0.4	40,873	12.7	31,398	9.8	541	0.2	172,212	53.5	12,002	3.7	15,345	4.8
2023	313,609	48,099	15.3	1,211	0.4	40,930	13.1	31,764	10.1	544	0.2	163,247	52.1	12,120	3.9	15,694	5.0
2024	322,215	51,842	16.1	1,203	0.4	45,323	14.1	33,238	10.3	519	0.2	160,142	49.7	12,788	4.0	17,160	5.3
Doctoral students																	
2017new ^c	164,585	14,999	9.1	714	0.4	15,952	9.7	9,483	5.8	235	0.1	109,271	66.4	5,420	3.3	8,511	5.2
2018	167,291	16,161	9.7	713	0.4	16,750	10.0	10,065	6.0	233	0.1	109,725	65.6	5,744	3.4	7,900	4.7
2019	169,134	17,690	10.5	750	0.4	17,543	10.4	10,450	6.2	202	0.1	108,709	64.3	6,020	3.6	7,770	4.6
2020	172,746	18,929	11.0	758	0.4	18,019	10.4	11,074	6.4	200	0.1	108,965	63.1	6,510	3.8	8,291	4.8
2021	177,942	20,493	11.5	749	0.4	19,596	11.0	12,173	6.8	195	0.1	109,590	61.6	7,170	4.0	7,976	4.5
2022	178,294	21,318	12.0	751	0.4	20,553	11.5	12,618	7.1	197	0.1	107,445	60.3	7,329	4.1	8,083	4.5
2023	182,199	22,329	12.3	773	0.4	21,619	11.9	14,512	8.0	210	0.1	106,230	58.3	7,884	4.3	8,642	4.7
2024	181,294	23,064	12.7	740	0.4	22,508	12.4	14,451	8.0	205	0.1	103,181	56.9	8,115	4.5	9,030	5.0

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^b In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^c As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Ethnicity and race data are available only for U.S. citizens and permanent residents. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "Technical Notes."

Source(s):

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

Table 1-9. Enrollment intensity of graduate students in science, engineering, and health, by degree program: 1975–2024

(Number and percent)

Year	All science, engineering, and health graduate students					All science graduate students					All engineering graduate students					All health graduate students				
	Total	Full time		Part time		Total	Full time		Part time		Total	Full time		Part time		Total	Full time		Part time	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
1975	328,510	219,648	66.9	108,862	33.1	234,649	164,437	70.1	70,212	29.9	68,332	37,823	55.4	30,509	44.6	25,529	17,388	68.1	8,141	31.9
1976	333,716	223,412	66.9	110,304	33.1	238,675	167,867	70.3	70,808	29.7	66,723	36,948	55.4	29,775	44.6	28,318	18,597	65.7	9,721	34.3
1977	345,374	226,738	65.6	118,636	34.4	242,932	169,184	69.6	73,748	30.4	68,757	37,227	54.1	31,530	45.9	33,685	20,327	60.3	13,358	39.7
1978 ^a	339,912	223,030	65.6	116,882	34.4	236,465	164,151	69.4	72,314	30.6	67,787	37,586	55.4	30,201	44.6	35,660	21,293	59.7	14,367	40.3
1979	357,578	231,760	64.8	125,818	35.2	247,235	168,959	68.3	78,276	31.7	71,808	40,041	55.8	31,767	44.2	38,535	22,760	59.1	15,775	40.9
1980	367,078	238,416	64.9	128,662	35.1	251,265	171,767	68.4	79,498	31.6	74,335	42,650	57.4	31,685	42.6	41,478	23,999	57.9	17,479	42.1
1981	375,130	242,049	64.5	133,081	35.5	252,404	172,200	68.2	80,204	31.8	79,585	45,752	57.5	33,833	42.5	43,141	24,097	55.9	19,044	44.1
1982	382,291	244,757	64.0	137,534	36.0	255,146	172,090	67.4	83,056	32.6	83,720	49,784	59.5	33,936	40.5	43,425	22,883	52.7	20,542	47.3
1983	390,432	252,017	64.5	138,415	35.5	255,820	175,472	68.6	80,348	31.4	91,146	53,932	59.2	37,214	40.8	43,466	22,613	52.0	20,853	48.0
1984	394,670	253,922	64.3	140,748	35.7	256,903	175,766	68.4	81,137	31.6	92,739	55,191	59.5	37,548	40.5	45,028	22,965	51.0	22,063	49.0
1985	404,021	257,287	63.7	146,734	36.3	261,973	178,020	68.0	83,953	32.0	96,018	55,918	58.2	40,100	41.8	46,030	23,349	50.7	22,681	49.3
1986	415,520	266,168	64.1	149,352	35.9	266,077	182,532	68.6	83,545	31.4	101,905	60,197	59.1	41,708	40.9	47,538	23,439	49.3	24,099	50.7
1987	421,497	271,056	64.3	150,441	35.7	269,256	185,143	68.8	84,113	31.2	103,983	61,962	59.6	42,021	40.4	48,258	23,951	49.6	24,307	50.4
1988	424,523	275,127	64.8	149,396	35.2	272,309	187,525	68.9	84,784	31.1	102,854	63,032	61.3	39,822	38.7	49,360	24,570	49.8	24,790	50.2
1989	434,478	282,648	65.1	151,830	34.9	278,577	192,424	69.1	86,153	30.9	104,065	64,396	61.9	39,669	38.1	51,836	25,828	49.8	26,008	50.2
1990	452,113	292,782	64.8	159,331	35.2	289,383	199,313	68.9	90,070	31.1	107,658	66,010	61.3	41,648	38.7	55,072	27,459	49.9	27,613	50.1
1991	471,212	307,010	65.2	164,202	34.8	299,057	206,036	68.9	93,021	31.1	113,535	71,034	62.6	42,501	37.4	58,620	29,940	51.1	28,680	48.9
1992	493,522	322,555	65.4	170,967	34.6	312,478	215,965	69.1	96,513	30.9	118,039	74,443	63.1	43,596	36.9	63,005	32,147	51.0	30,858	49.0
1993	504,304	329,644	65.4	174,660	34.6	318,851	220,097	69.0	98,754	31.0	116,872	73,808	63.2	43,064	36.8	68,581	35,739	52.1	32,842	47.9
1994	504,399	332,088	65.8	172,311	34.2	318,118	221,409	69.6	96,709	30.4	113,024	71,570	63.3	41,454	36.7	73,257	39,109	53.4	34,148	46.6
1995	499,640	329,283	65.9	170,357	34.1	315,265	219,389	69.6	95,876	30.4	107,201	67,782	63.2	39,419	36.8	77,174	42,112	54.6	35,062	45.4
1996	494,079	328,536	66.5	165,543	33.5	311,957	218,180	69.9	93,777	30.1	103,224	65,859	63.8	37,365	36.2	78,898	44,497	56.4	34,401	43.6
1997	487,208	327,289	67.2	159,919	32.8	306,482	214,981	70.1	91,501	29.9	101,148	65,688	64.9	35,460	35.1	79,578	46,620	58.6	32,958	41.4
1998	485,627	327,389	67.4	158,238	32.6	304,818	213,508	70.0	91,310	30.0	100,038	65,435	65.4	34,603	34.6	80,771	48,446	60.0	32,325	40.0
1999	493,256	334,423	67.8	158,833	32.2	309,491	215,870	69.8	93,621	30.2	101,691	68,023	66.9	33,668	33.1	82,074	50,530	61.6	31,544	38.4
2000	493,311	341,283	69.2	152,028	30.8	309,424	219,079	70.8	90,345	29.2	104,112	72,276	69.4	31,836	30.6	79,775	49,928	62.6	29,847	37.4
2001	509,607	354,522	69.6	155,085	30.4	319,736	226,573	70.9	93,163	29.1	109,493	77,448	70.7	32,045	29.3	80,378	50,501	62.8	29,877	37.2
2002	540,404	378,991	70.1	161,413	29.9	335,166	240,020	71.6	95,146	28.4	119,668	85,452	71.4	34,216	28.6	85,570	53,519	62.5	32,051	37.5
2003	567,121	397,420	70.1	169,701	29.9	347,268	248,812	71.6	98,456	28.4	127,377	90,216	70.8	37,161	29.2	92,476	58,392	63.1	34,084	36.9
2004	574,463	402,573	70.1	171,890	29.9	352,307	253,574	72.0	98,733	28.0	123,566	86,955	70.4	36,611	29.6	98,590	62,044	62.9	36,546	37.1
2005	582,226	406,620	69.8	175,606	30.2	357,710	257,283	71.9	100,427	28.1	120,565	84,459	70.1	36,106	29.9	103,951	64,878	62.4	39,073	37.6
2006	597,643	419,015	70.1	178,628	29.9	363,246	261,984	72.1	101,262	27.9	123,041	87,818	71.4	35,223	28.6	111,356	69,213	62.2	42,143	37.8
2007old ^b	607,823	430,860	70.9	176,963	29.1	372,120	269,821	72.5	102,299	27.5	130,255	93,155	71.5	37,100	28.5	105,448	67,884	64.4	37,564	35.6
2007new ^b	619,499	437,365	70.6	182,134	29.4	384,523	277,229	72.1	107,294	27.9	131,676	94,313	71.6	37,363	28.4	103,300	65,823	63.7	37,477	36.3
2008	631,489	449,613	71.2	181,876	28.8	391,419	285,305	72.9	106,114	27.1	137,856	98,255	71.3	39,601	28.7	102,214	66,053	64.6	36,161	35.4
2009	631,645	456,115	72.2	175,530	27.8	401,008	293,561	73.2	107,447	26.8	144,677	104,937	72.5	39,740	27.5	85,960	57,617	67.0	28,343	33.0

Table 1-9. Enrollment intensity of graduate students in science, engineering, and health, by degree program: 1975–2024

(Number and percent)

Year	All science, engineering, and health graduate students					All science graduate students					All engineering graduate students					All health graduate students					
	Total	Full time		Part time		Total	Full time		Part time		Total	Full time		Part time		Total	Full time		Part time		
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent	
2010	632,652	461,185	72.9	171,467	27.1	407,291	299,315	73.5	107,976	26.5	149,241	109,792	73.6	39,449	26.4	76,120	52,078	68.4	24,042	31.6	
2011	626,820	457,292	73.0	169,528	27.0	414,440	303,015	73.1	111,425	26.9	146,501	108,153	73.8	38,348	26.2	65,879	46,124	70.0	19,755	30.0	
2012	627,243	459,498	73.3	167,745	26.7	413,033	304,795	73.8	108,238	26.2	148,385	109,589	73.9	38,796	26.1	65,825	45,114	68.5	20,711	31.5	
2013	633,010	468,953	74.1	164,057	25.9	417,251	309,756	74.2	107,495	25.8	153,049	114,752	75.0	38,297	25.0	62,710	44,445	70.9	18,265	29.1	
2014old ^c	650,738	484,880	74.5	165,858	25.5	425,148	317,881	74.8	107,267	25.2	162,013	122,642	75.7	39,371	24.3	63,577	44,357	69.8	19,220	30.2	
2014new ^c	666,586	492,170	73.8	174,416	26.2	437,395	322,714	73.8	114,681	26.2	164,488	124,382	75.6	40,106	24.4	64,703	45,074	69.7	19,629	30.3	
2015	685,397	506,262	73.9	179,135	26.1	448,654	331,293	73.8	117,361	26.2	169,354	128,112	75.6	41,242	24.4	67,389	46,857	69.5	20,532	30.5	
2016	684,825	508,773	74.3	176,052	25.7	452,046	334,770	74.1	117,276	25.9	168,443	128,203	76.1	40,240	23.9	64,336	45,800	71.2	18,536	28.8	
2017old ^d	684,096	498,619	72.9	185,477	27.1	450,343	327,596	72.7	122,747	27.3	166,819	124,363	74.5	42,456	25.5	66,934	46,660	69.7	20,274	30.3	
2017new ^d	649,112	480,788	74.1	168,324	25.9	415,568	310,809	74.8	104,759	25.2	165,581	123,107	74.3	42,474	25.7	67,963	46,872	69.0	21,091	31.0	
2018	668,307	491,449	73.5	176,858	26.5	432,255	321,063	74.3	111,192	25.7	163,301	120,521	73.8	42,780	26.2	72,751	49,865	68.5	22,886	31.5	
2019	690,117	502,442	72.8	187,675	27.2	453,691	331,673	73.1	122,018	26.9	164,004	121,117	73.9	42,887	26.1	72,422	49,652	68.6	22,770	31.4	
2020	697,813	491,515	70.4	206,298	29.6	464,646	330,541	71.1	134,105	28.9	157,729	111,240	70.5	46,489	29.5	75,438	49,734	65.9	25,704	34.1	
2021	760,156	543,823	71.5	216,333	28.5	509,784	366,207	71.8	143,577	28.2	168,050	122,853	73.1	45,197	26.9	82,322	54,763	66.5	27,559	33.5	
2022	798,534	579,301	72.5	219,233	27.5	538,166	392,192	72.9	145,974	27.1	176,000	130,447	74.1	45,553	25.9	84,368	56,662	67.2	27,706	32.8	
2023	818,095	598,588	73.2	219,507	26.8	561,489	411,971	73.4	149,518	26.6	175,559	131,607	75.0	43,952	25.0	81,047	55,010	67.9	26,037	32.1	
2024	818,078	596,638	72.9	221,440	27.1	564,367	411,924	73.0	152,443	27.0	176,012	131,600	74.8	44,412	25.2	77,699	53,114	68.4	24,585	31.6	
Master's students																					
2017new ^d	378,587	245,010	64.7	133,577	35.3	229,169	145,689	63.6	83,480	36.4	96,756	63,532	65.7	33,224	34.3	52,662	35,789	68.0	16,873	32.0	
2018	391,211	248,552	63.5	142,659	36.5	241,327	151,059	62.6	90,268	37.4	93,064	59,228	63.6	33,836	36.4	56,820	38,265	67.3	18,555	32.7	
2019	408,228	254,532	62.4	153,696	37.6	259,795	158,704	61.1	101,091	38.9	91,939	57,723	62.8	34,216	37.2	56,494	38,105	67.4	18,389	32.6	
2020	414,478	243,859	58.8	170,619	41.2	267,904	155,502	58.0	112,402	42.0	86,450	49,179	56.9	37,271	43.1	60,124	39,178	65.2	20,946	34.8	
2021	466,613	286,954	61.5	179,659	38.5	305,796	184,719	60.4	121,077	39.6	95,126	58,790	61.8	36,336	38.2	65,691	43,445	66.1	22,246	33.9	
2022	501,311	319,618	63.8	181,693	36.2	331,983	208,749	62.9	123,234	37.1	103,020	66,427	64.5	36,593	35.5	66,308	44,442	67.0	21,866	33.0	
2023	510,866	329,971	64.6	180,895	35.4	348,520	222,976	64.0	125,544	36.0	100,567	65,160	64.8	35,407	35.2	61,779	41,835	67.7	19,944	32.3	
2024	505,930	322,037	63.7	183,893	36.3	347,469	217,779	62.7	129,690	37.3	99,571	63,860	64.1	35,711	35.9	58,890	40,398	68.6	18,492	31.4	
Doctoral students																					
2017new ^d	270,525	235,778	87.2	34,747	12.8	186,399	165,120	88.6	21,279	11.4	68,825	59,575	86.6	9,250	13.4	15,301	11,083	72.4	4,218	27.6	
2018	277,096	242,897	87.7	34,199	12.3	190,928	170,004	89.0	20,924	11.0	70,237	61,293	87.3	8,944	12.7	15,931	11,600	72.8	4,331	27.2	
2019	281,889	247,910	87.9	33,979	12.1	193,896	172,969	89.2	20,927	10.8	72,065	63,394	88.0	8,671	12.0	15,928	11,547	72.5	4,381	27.5	
2020	283,335	247,656	87.4	35,679	12.6	196,742	175,039	89.0	21,703	11.0	71,279	62,061	87.1	9,218	12.9	15,314	10,556	68.9	4,758	31.1	
2021	293,543	256,869	87.5	36,674	12.5	203,988	181,488	89.0	22,500	11.0	72,924	64,063	87.8	8,861	12.2	16,631	11,318	68.1	5,313	31.9	
2022	297,223	259,683	87.4	37,540	12.6	206,183	183,443	89.0	22,740	11.0	72,980	64,020	87.7	8,960	12.3	18,060	12,220	67.7	5,840	32.3	
2023	307,229	268,617	87.4	38,612	12.6	212,969	188,995	88.7	23,974	11.3	74,992	66,447	88.6	8,545	11.4	19,268	13,175	68.4	6,093	31.6	
2024	312,148	274,601	88.0	37,547	12.0	216,898	194,145	89.5	22,753	10.5	76,441	67,740	88.6	8,701	11.4	18,809	12,716	67.6	6,093	32.4	

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^d As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Ethnicity and race data are available only for U.S. citizens and permanent residents. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-10. First-time status among full-time graduate students in science, engineering, and health, by degree level: 1975–2024

(Number and percent)

Year	All full-time graduate students			Full-time master's students			Full-time doctoral students		
	Total	First time		Total	First time		Total	First time	
		Number	Percent		Number	Percent		Number	Percent
1975	219,648	76,686	34.9	na	na	na	na	na	na
1976	223,412	90,811	40.6	na	na	na	na	na	na
1977	226,738	93,116	41.1	na	na	na	na	na	na
1978 ^a	223,030	70,578	31.6	na	na	na	na	na	na
1979	231,760	76,788	33.1	na	na	na	na	na	na
1980	238,416	81,259	34.1	na	na	na	na	na	na
1981	242,049	80,003	33.1	na	na	na	na	na	na
1982	244,757	80,257	32.8	na	na	na	na	na	na
1983	252,017	81,606	32.4	na	na	na	na	na	na
1984	253,922	80,186	31.6	na	na	na	na	na	na
1985	257,287	80,678	31.4	na	na	na	na	na	na
1986	266,168	82,548	31.0	na	na	na	na	na	na
1987	271,056	80,843	29.8	na	na	na	na	na	na
1988	275,127	80,580	29.3	na	na	na	na	na	na
1989	282,648	84,532	29.9	na	na	na	na	na	na
1990	292,782	87,401	29.9	na	na	na	na	na	na
1991	307,010	93,147	30.3	na	na	na	na	na	na
1992	322,555	95,802	29.7	na	na	na	na	na	na
1993	329,644	92,748	28.1	na	na	na	na	na	na
1994	332,088	92,171	27.8	na	na	na	na	na	na
1995	329,283	89,482	27.2	na	na	na	na	na	na
1996	328,536	88,984	27.1	na	na	na	na	na	na
1997	327,289	89,177	27.2	na	na	na	na	na	na
1998	327,389	90,828	27.7	na	na	na	na	na	na
1999	334,423	92,214	27.6	na	na	na	na	na	na
2000	341,283	94,340	27.6	na	na	na	na	na	na
2001	354,522	98,112	27.7	na	na	na	na	na	na
2002	378,991	104,184	27.5	na	na	na	na	na	na
2003	397,420	107,715	27.1	na	na	na	na	na	na
2004	402,573	106,544	26.5	na	na	na	na	na	na
2005	406,620	110,219	27.1	na	na	na	na	na	na
2006	419,015	116,482	27.8	na	na	na	na	na	na
2007old ^b	430,860	120,236	27.9	na	na	na	na	na	na
2007new ^b	437,365	122,449	28.0	na	na	na	na	na	na
2008	449,613	130,635	29.1	na	na	na	na	na	na
2009	456,115	134,756	29.5	na	na	na	na	na	na
2010	461,185	136,487	29.6	na	na	na	na	na	na
2011	457,292	136,610	29.9	na	na	na	na	na	na
2012	459,498	137,767	30.0	na	na	na	na	na	na
2013	468,953	143,326	30.6	na	na	na	na	na	na
2014old ^c	484,880	150,653	31.1	na	na	na	na	na	na
2014new ^c	492,170	154,219	31.3	na	na	na	na	na	na
2015	506,262	161,640	31.9	na	na	na	na	na	na
2016	508,773	161,824	31.8	na	na	na	na	na	na
2017old ^d	498,619	162,805	32.7	na	na	na	na	na	na
2017new ^d	480,788	156,157	32.5	245,010	110,980	45.3	235,778	45,177	19.2
2018	491,449	159,724	32.5	248,552	114,214	46.0	242,897	45,510	18.7
2019	502,442	163,032	32.4	254,532	116,507	45.8	247,910	46,525	18.8
2020	491,515	143,269	29.1	243,859	102,096	41.9	247,656	41,173	16.6
2021	543,823	193,936	35.7	286,954	147,266	51.3	256,869	46,670	18.2

Table 1-10. First-time status among full-time graduate students in science, engineering, and health, by degree level: 1975–2024

(Number and percent)

Year	All full-time graduate students			Full-time master's students			Full-time doctoral students		
	Total	First time		Total	First time		Total	First time	
		Number	Percent		Number	Percent		Number	Percent
2022	579,301	194,733	33.6	319,618	147,317	46.1	259,683	47,416	18.3
2023	598,588	203,798	34.0	329,971	153,545	46.5	268,617	50,253	18.7
2024	596,638	193,600	32.4	322,037	142,279	44.2	274,601	51,321	18.7

na = not applicable; master's and doctoral students were not reported separately until 2017.

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^d As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "Technical Notes."

Source(s):

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

Table 1-11. Primary source of support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	Total	Federal		Institutional		Nonfederal domestic		Foreign		Personal resources	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1975	219,648	47,055	21.4	76,170	34.7	11,189	5.1	5,374	2.4	79,860	36.4
1976	223,412	49,036	21.9	81,839	36.6	11,830	5.3	6,279	2.8	74,428	33.3
1977	226,738	50,809	22.4	82,994	36.6	11,883	5.2	6,879	3.0	74,173	32.7
1978 ^a	223,030	51,984	23.3	81,676	36.6	19,450	8.7	na	na	69,920	31.4
1979	231,760	52,682	22.7	84,879	36.6	12,577	5.4	7,773	3.4	73,849	31.9
1980	238,416	52,959	22.2	88,691	37.2	13,068	5.5	8,241	3.5	75,457	31.6
1981	242,049	50,896	21.0	92,089	38.0	13,735	5.7	8,807	3.6	76,522	31.6
1982	244,757	47,403	19.4	95,271	38.9	15,128	6.2	9,059	3.7	77,896	31.8
1983	252,017	47,752	18.9	98,149	38.9	15,904	6.3	8,979	3.6	81,233	32.2
1984	253,922	47,784	18.8	102,175	40.2	16,638	6.6	8,175	3.2	79,150	31.2
1985	257,287	49,051	19.1	104,058	40.4	18,778	7.3	7,770	3.0	77,630	30.2
1986	266,168	51,361	19.3	109,199	41.0	19,056	7.2	7,672	2.9	78,880	29.6
1987	271,056	53,538	19.8	112,263	41.4	18,275	6.7	7,200	2.7	79,780	29.4
1988	275,127	55,489	20.2	114,740	41.7	18,737	6.8	7,001	2.5	79,160	28.8
1989	282,648	57,433	20.3	119,114	42.1	19,140	6.8	6,710	2.4	80,251	28.4
1990	292,782	59,258	20.2	123,005	42.0	19,604	6.7	6,531	2.2	84,384	28.8
1991	307,010	63,000	20.5	125,329	40.8	20,455	6.7	6,643	2.2	91,583	29.8
1992	322,555	65,607	20.3	127,846	39.6	21,343	6.6	6,460	2.0	101,299	31.4
1993	329,644	67,673	20.5	128,950	39.1	21,264	6.5	5,481	1.7	106,276	32.2
1994	332,088	68,550	20.6	129,218	38.9	21,567	6.5	5,718	1.7	107,035	32.2
1995	329,283	67,294	20.4	129,320	39.3	20,435	6.2	5,547	1.7	106,687	32.4
1996	328,536	65,240	19.9	128,379	39.1	20,193	6.1	5,249	1.6	109,475	33.3
1997	327,289	64,522	19.7	128,927	39.4	20,251	6.2	4,848	1.5	108,741	33.2
1998	327,389	63,759	19.5	128,995	39.4	22,157	6.8	4,254	1.3	108,224	33.1
1999	334,423	65,796	19.7	133,182	39.8	22,099	6.6	3,930	1.2	109,416	32.7
2000	341,283	67,588	19.8	133,415	39.1	24,000	7.0	3,848	1.1	112,432	32.9
2001	354,522	68,843	19.4	140,787	39.7	24,420	6.9	3,836	1.1	116,636	32.9
2002	378,991	75,538	19.9	147,883	39.0	25,557	6.7	3,359	0.9	126,654	33.4
2003	397,420	81,761	20.6	151,713	38.2	26,118	6.6	3,098	0.8	134,730	33.9
2004	402,573	83,816	20.8	154,514	38.4	24,325	6.0	2,840	0.7	137,078	34.1
2005	406,620	83,723	20.6	156,332	38.4	24,548	6.0	2,614	0.6	139,403	34.3
2006	419,015	83,962	20.0	160,405	38.3	25,384	6.1	2,658	0.6	146,606	35.0
2007 ^{old} ^b	430,860	81,542	18.9	167,836	39.0	24,262	5.6	2,927	0.7	154,293	35.8
2007 ^{new} ^b	437,365	81,859	18.7	171,128	39.1	24,410	5.6	2,939	0.7	157,029	35.9
2008	449,613	78,464	17.5	179,439	39.9	22,238	4.9	3,814	0.8	165,658	36.8
2009	456,115	81,565	17.9	177,680	39.0	22,910	5.0	4,004	0.9	169,956	37.3
2010	461,185	86,310	18.7	177,946	38.6	22,127	4.8	4,238	0.9	170,564	37.0

Table 1-11. Primary source of support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	Total	Federal		Institutional		Nonfederal domestic		Foreign		Personal resources	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2011	457,292	85,220	18.6	179,895	39.3	21,717	4.7	4,653	1.0	165,807	36.3
2012	459,498	80,962	17.6	183,965	40.0	22,443	4.9	5,228	1.1	166,900	36.3
2013	468,953	76,840	16.4	189,440	40.4	20,514	4.4	5,371	1.1	176,788	37.7
2014old ^c	484,880	72,507	15.0	195,446	40.3	19,970	4.1	5,809	1.2	191,148	39.4
2014new ^c	492,170	72,756	14.8	196,810	40.0	20,035	4.1	5,882	1.2	196,687	40.0
2015	506,262	72,393	14.3	201,681	39.8	20,771	4.1	5,739	1.1	205,678	40.6
2016	508,773	71,955	14.1	203,823	40.1	19,793	3.9	5,020	1.0	208,182	40.9
2017old ^d	498,619	69,899	14.0	201,388	40.4	21,211	4.3	5,271	1.1	200,850	40.3
2017new ^d	480,788	69,537	14.5	194,550	40.5	20,833	4.3	5,175	1.1	190,693	39.7
2018	491,449	71,594	14.6	199,298	40.6	19,568	4.0	4,875	1.0	196,114	39.9
2019	502,442	73,605	14.6	205,890	41.0	19,171	3.8	4,699	0.9	199,077	39.6
2020	491,515	76,218	15.5	200,422	40.8	18,380	3.7	3,824	0.8	192,671	39.2
2021	543,823	82,588	15.2	212,869	39.1	19,015	3.5	3,581	0.7	225,770	41.5
2022	579,301	81,773	14.1	229,892	39.7	20,206	3.5	3,131	0.5	244,299	42.2
2023	598,588	82,764	13.8	235,491	39.3	22,852	3.8	3,394	0.6	254,087	42.4
2024	596,638	83,962	14.1	242,786	40.7	21,419	3.6	3,376	0.6	245,095	41.1
Master's students											
2017new ^d	245,010	12,354	5.0	59,385	24.2	5,884	2.4	1,902	0.8	165,485	67.5
2018	248,552	12,324	5.0	57,999	23.3	4,758	1.9	1,541	0.6	171,930	69.2
2019	254,532	11,491	4.5	60,153	23.6	4,914	1.9	1,517	0.6	176,457	69.3
2020	243,859	12,459	5.1	56,781	23.3	4,498	1.8	1,022	0.4	169,099	69.3
2021	286,954	14,918	5.2	63,468	22.1	4,908	1.7	1,001	0.3	202,659	70.6
2022	319,618	15,823	5.0	74,909	23.4	5,428	1.7	952	0.3	222,506	69.6
2023	329,971	15,602	4.7	76,571	23.2	7,591	2.3	1,088	0.3	229,119	69.4
2024	322,037	16,026	5.0	77,974	24.2	6,013	1.9	1,010	0.3	221,014	68.6
Doctoral students											
2017new ^d	235,778	57,183	24.3	135,165	57.3	14,949	6.3	3,273	1.4	25,208	10.7
2018	242,897	59,270	24.4	141,299	58.2	14,810	6.1	3,334	1.4	24,184	10.0
2019	247,910	62,114	25.1	145,737	58.8	14,257	5.8	3,182	1.3	22,620	9.1
2020	247,656	63,759	25.7	143,641	58.0	13,882	5.6	2,802	1.1	23,572	9.5
2021	256,869	67,670	26.3	149,401	58.2	14,107	5.5	2,580	1.0	23,111	9.0
2022	259,683	65,950	25.4	154,983	59.7	14,778	5.7	2,179	0.8	21,793	8.4
2023	268,617	67,162	25.0	158,920	59.2	15,261	5.7	2,306	0.9	24,968	9.3
2024	274,601	67,936	24.7	164,812	60.0	15,406	5.6	2,366	0.9	24,081	8.8

na = not applicable.

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^d As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-12. Detailed primary source of federal support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	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
1975	47,055	5,061	10.8	NA	NA	12,141	25.8	7,836	16.7	NA	NA	8,790	18.7	NA	NA	13,227	28.1
1976	49,036	4,772	9.7	NA	NA	11,307	23.1	8,341	17.0	NA	NA	8,953	18.3	NA	NA	15,663	31.9
1977	50,809	4,971	9.8	NA	NA	10,861	21.4	9,397	18.5	NA	NA	9,018	17.7	NA	NA	16,562	32.6
1978 ^a	51,984	NA	NA	NA	NA	10,825	20.8	10,060	19.4	NA	NA	9,007	17.3	NA	NA	22,092	42.5
1979	52,682	4,990	9.5	NA	NA	11,648	22.1	10,482	19.9	NA	NA	9,366	17.8	NA	NA	16,196	30.7
1980	52,959	5,251	9.9	NA	NA	11,499	21.7	7,522	14.2	NA	NA	9,348	17.7	NA	NA	19,339	36.5
1981	50,896	5,664	11.1	NA	NA	11,179	22.0	6,429	12.6	NA	NA	9,143	18.0	NA	NA	18,481	36.3
1982	47,403	5,941	12.5	NA	NA	10,814	22.8	4,975	10.5	NA	NA	9,257	19.5	NA	NA	16,416	34.6
1983	47,752	6,969	14.6	NA	NA	10,810	22.6	4,179	8.8	NA	NA	9,524	19.9	NA	NA	16,270	34.1
1984	47,784	7,125	14.9	NA	NA	10,983	23.0	4,124	8.6	NA	NA	9,848	20.6	NA	NA	15,704	32.9
1985	49,051	7,326	14.9	NA	NA	11,112	22.7	4,740	9.7	NA	NA	10,180	20.8	2,171	4.4	13,522	27.6
1986	51,361	7,940	15.5	NA	NA	11,877	23.1	4,500	8.8	NA	NA	10,826	21.1	2,328	4.5	13,890	27.0
1987	53,538	8,795	16.4	NA	NA	12,944	24.2	4,247	7.9	NA	NA	11,247	21.0	2,684	5.0	13,621	25.4
1988	55,489	9,546	17.2	NA	NA	13,715	24.7	4,186	7.5	NA	NA	11,634	21.0	2,591	4.7	13,817	24.9
1989	57,433	9,140	15.9	NA	NA	14,357	25.0	4,335	7.5	NA	NA	11,900	20.7	2,728	4.7	14,973	26.1
1990	59,258	8,868	15.0	NA	NA	14,996	25.3	4,512	7.6	NA	NA	12,025	20.3	2,722	4.6	16,135	27.2
1991	63,000	9,128	14.5	NA	NA	16,018	25.4	4,461	7.1	NA	NA	12,666	20.1	3,075	4.9	17,652	28.0
1992	65,607	9,247	14.1	NA	NA	17,091	26.1	4,321	6.6	NA	NA	13,366	20.4	3,216	4.9	18,366	28.0
1993	67,673	9,750	14.4	NA	NA	18,135	26.8	3,888	5.7	NA	NA	13,530	20.0	3,324	4.9	19,046	28.1
1994	68,550	9,449	13.8	NA	NA	18,292	26.7	4,374	6.4	NA	NA	13,990	20.4	3,422	5.0	19,023	27.8
1995	67,294	9,339	13.9	NA	NA	18,109	26.9	4,666	6.9	NA	NA	13,661	20.3	3,254	4.8	18,265	27.1
1996	65,240	8,802	13.5	NA	NA	17,929	27.5	4,432	6.8	2,309	3.5	13,412	20.6	3,004	4.6	15,352	23.5
1997	64,522	9,021	14.0	NA	NA	18,087	28.0	4,443	6.9	2,586	4.0	13,362	20.7	2,646	4.1	14,377	22.3
1998	63,759	8,259	13.0	NA	NA	18,215	28.6	4,489	7.0	2,646	4.2	13,459	21.1	2,485	3.9	14,206	22.3
1999	65,796	8,026	12.2	2,749	4.2	19,019	28.9	4,423	6.7	2,579	3.9	13,835	21.0	2,634	4.0	12,531	19.0
2000	67,588	8,141	12.0	2,995	4.4	19,472	28.8	4,018	5.9	2,780	4.1	14,599	21.6	2,630	3.9	12,953	19.2
2001	68,843	7,960	11.6	3,116	4.5	19,904	28.9	4,433	6.4	2,819	4.1	15,429	22.4	2,735	4.0	12,447	18.1
2002	75,538	7,977	10.6	3,548	4.7	22,129	29.3	4,830	6.4	3,082	4.1	17,135	22.7	3,100	4.1	13,737	18.2
2003	81,761	9,204	11.3	4,024	4.9	24,309	29.7	4,922	6.0	3,230	4.0	19,308	23.6	3,468	4.2	13,296	16.3
2004	83,816	9,007	10.7	4,135	4.9	26,689	31.8	4,211	5.0	2,916	3.5	19,975	23.8	3,563	4.3	13,320	15.9
2005	83,723	8,993	10.7	4,392	5.2	26,868	32.1	3,912	4.7	2,691	3.2	20,387	24.4	3,351	4.0	13,129	15.7
2006	83,962	8,867	10.6	4,480	5.3	27,587	32.9	3,662	4.4	2,364	2.8	20,339	24.2	3,000	3.6	13,663	16.3
2007old ^b	81,542	8,874	10.9	4,281	5.3	26,982	33.1	3,067	3.8	2,314	2.8	19,747	24.2	2,796	3.4	13,481	16.5
2007new ^b	81,859	8,885	10.9	4,284	5.2	27,015	33.0	3,086	3.8	2,317	2.8	19,792	24.2	2,810	3.4	13,670	16.7
2008	78,464	8,219	10.5	4,341	5.5	26,003	33.1	2,496	3.2	2,344	3.0	19,882	25.3	2,770	3.5	12,409	15.8
2009	81,565	8,683	10.6	4,608	5.6	26,506	32.5	2,200	2.7	2,426	3.0	21,682	26.6	2,706	3.3	12,754	15.6
2010	86,310	9,233	10.7	5,512	6.4	27,615	32.0	2,255	2.6	2,472	2.9	23,226	26.9	3,061	3.5	12,936	15.0

Table 1-12. Detailed primary source of federal support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	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
2011	85,220	9,107	10.7	5,738	6.7	25,670	30.1	2,201	2.6	2,394	2.8	24,226	28.4	2,862	3.4	13,022	15.3
2012	80,962	8,748	10.8	5,343	6.6	24,256	30.0	1,921	2.4	2,173	2.7	24,243	29.9	2,664	3.3	11,614	14.3
2013	76,840	8,304	10.8	4,803	6.3	22,372	29.1	1,642	2.1	2,006	2.6	23,307	30.3	2,577	3.4	11,829	15.4
2014old ^c	72,507	7,445	10.3	4,398	6.1	21,153	29.2	1,365	1.9	2,005	2.8	22,791	31.4	2,400	3.3	10,950	15.1
2014new ^c	72,756	7,454	10.2	4,401	6.0	21,191	29.1	1,382	1.9	2,013	2.8	22,899	31.5	2,420	3.3	10,996	15.1
2015	72,393	8,127	11.2	4,309	6.0	20,641	28.5	1,715	2.4	2,036	2.8	22,924	31.7	2,676	3.7	9,965	13.8
2016	71,955	8,291	11.5	4,482	6.2	20,381	28.3	1,635	2.3	2,025	2.8	22,677	31.5	2,535	3.5	9,929	13.8
2017old ^d	69,899	8,365	12.0	4,480	6.4	19,687	28.2	1,727	2.5	1,821	2.6	21,010	30.1	2,444	3.5	10,365	14.8
2017new ^d	69,537	8,323	12.0	4,480	6.4	19,645	28.3	1,719	2.5	1,818	2.6	20,946	30.1	2,415	3.5	10,191	14.7
2018	71,594	7,600	10.6	4,568	6.4	19,903	27.8	2,842	4.0	1,899	2.7	21,711	30.3	2,619	3.7	10,452	14.6
2019	73,605	8,495	11.5	5,119	7.0	21,025	28.6	2,498	3.4	2,057	2.8	21,801	29.6	2,580	3.5	10,030	13.6
2020	76,218	8,635	11.3	5,344	7.0	21,708	28.5	2,761	3.6	2,096	2.8	22,413	29.4	2,689	3.5	10,572	13.9
2021	82,588	9,575	11.6	6,016	7.3	23,088	28.0	2,866	3.5	2,211	2.7	21,743	26.3	3,244	3.9	13,845	16.8
2022	81,773	9,093	11.1	5,870	7.2	23,200	28.4	3,523	4.3	2,174	2.7	21,136	25.8	3,307	4.0	13,470	16.5
2023	82,764	9,171	11.1	5,757	7.0	23,172	28.0	3,314	4.0	2,178	2.6	21,209	25.6	3,332	4.0	14,631	17.7
2024	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
Master's students																	
2017new ^d	12,354	2,756	22.3	491	4.0	1,014	8.2	310	2.5	286	2.3	2,212	17.9	962	7.8	4,323	35.0
2018	12,324	2,345	19.0	412	3.3	975	7.9	539	4.4	300	2.4	2,160	17.5	1,059	8.6	4,534	36.8
2019	11,491	2,492	21.7	452	3.9	1,046	9.1	471	4.1	276	2.4	2,054	17.9	977	8.5	3,723	32.4
2020	12,459	2,681	21.5	487	3.9	908	7.3	516	4.1	291	2.3	2,058	16.5	1,067	8.6	4,451	35.7
2021	14,918	2,931	19.6	556	3.7	1,024	6.9	653	4.4	291	2.0	2,012	13.5	1,284	8.6	6,167	41.3
2022	15,823	2,801	17.7	554	3.5	1,107	7.0	630	4.0	322	2.0	2,119	13.4	1,315	8.3	6,975	44.1
2023	15,602	2,815	18.0	550	3.5	1,106	7.1	750	4.8	307	2.0	2,072	13.3	1,187	7.6	6,815	43.7
2024	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
Doctoral students																	
2017new ^d	57,183	5,567	9.7	3,989	7.0	18,631	32.6	1,409	2.5	1,532	2.7	18,734	32.8	1,453	2.5	5,868	10.3
2018	59,270	5,255	8.9	4,156	7.0	18,928	31.9	2,303	3.9	1,599	2.7	19,551	33.0	1,560	2.6	5,918	10.0
2019	62,114	6,003	9.7	4,667	7.5	19,979	32.2	2,027	3.3	1,781	2.9	19,747	31.8	1,603	2.6	6,307	10.2
2020	63,759	5,954	9.3	4,857	7.6	20,800	32.6	2,245	3.5	1,805	2.8	20,355	31.9	1,622	2.5	6,121	9.6
2021	67,670	6,644	9.8	5,460	8.1	22,064	32.6	2,213	3.3	1,920	2.8	19,731	29.2	1,960	2.9	7,678	11.3
2022	65,950	6,292	9.5	5,316	8.1	22,093	33.5	2,893	4.4	1,852	2.8	19,017	28.8	1,992	3.0	6,495	9.8
2023	67,162	6,356	9.5	5,207	7.8	22,066	32.9	2,564	3.8	1,871	2.8	19,137	28.5	2,145	3.2	7,816	11.6
2024	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

NA = not available; USDA was added in 1985, NASA was added in 1996, and DOE was added in 1999.

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 Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^d As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-13. Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
1975	219,648	37,163	16.9	39,964	18.2	47,156	21.5	na	na	79,860	36.4	15,505	7.1
1976	223,412	36,200	16.2	42,555	19.0	48,124	21.5	na	na	74,428	33.3	22,105	9.9
1977	226,738	37,679	16.6	43,657	19.3	48,481	21.4	na	na	74,173	32.7	22,748	10.0
1978 ^a	223,030	na	na	na	na	na	na	na	na	69,920	31.4	153,110	68.6
1979	231,760	20,214	8.7	48,976	21.1	51,779	22.3	17,965	7.8	73,849	31.9	18,977	8.2
1980	238,416	20,515	8.6	51,566	21.6	53,889	22.6	17,545	7.4	75,457	31.6	19,444	8.2
1981	242,049	20,095	8.3	52,711	21.8	55,745	23.0	16,771	6.9	76,522	31.6	20,205	8.3
1982	244,757	20,855	8.5	52,580	21.5	58,334	23.8	14,637	6.0	77,896	31.8	20,455	8.4
1983	252,017	21,342	8.5	54,904	21.8	60,071	23.8	13,512	5.4	81,233	32.2	20,955	8.3
1984	253,922	21,624	8.5	57,735	22.7	61,256	24.1	13,465	5.3	79,150	31.2	20,692	8.1
1985	257,287	22,540	8.8	60,995	23.7	61,822	24.0	13,665	5.3	77,630	30.2	20,635	8.0
1986	266,168	22,954	8.6	66,010	24.8	62,552	23.5	13,526	5.1	78,880	29.6	22,246	8.4
1987	271,056	21,953	8.1	70,214	25.9	62,847	23.2	14,096	5.2	79,780	29.4	22,166	8.2
1988	275,127	22,353	8.1	74,588	27.1	63,053	22.9	14,397	5.2	79,160	28.8	21,576	7.8
1989	282,648	23,450	8.3	79,045	28.0	64,296	22.7	14,524	5.1	80,251	28.4	21,082	7.5
1990	292,782	25,254	8.6	80,746	27.6	64,950	22.2	15,198	5.2	84,384	28.8	22,250	7.6
1991	307,010	26,695	8.7	85,175	27.7	65,214	21.2	15,403	5.0	91,583	29.8	22,940	7.5
1992	322,555	28,627	8.9	88,030	27.3	65,702	20.4	15,361	4.8	101,299	31.4	23,536	7.3
1993	329,644	29,132	8.8	90,154	27.3	67,290	20.4	15,445	4.7	106,276	32.2	21,347	6.5
1994	332,088	28,892	8.7	92,008	27.7	66,844	20.1	15,681	4.7	107,035	32.2	21,628	6.5
1995	329,283	28,887	8.8	89,946	27.3	65,976	20.0	15,943	4.8	106,687	32.4	21,844	6.6
1996	328,536	28,862	8.8	87,694	26.7	65,756	20.0	15,481	4.7	109,475	33.3	21,268	6.5
1997	327,289	28,956	8.8	88,001	26.9	65,425	20.0	14,488	4.4	108,741	33.2	21,678	6.6
1998	327,389	29,106	8.9	88,097	26.9	65,173	19.9	14,946	4.6	108,224	33.1	21,843	6.7
1999	334,423	30,112	9.0	91,279	27.3	66,294	19.8	14,707	4.4	109,416	32.7	22,615	6.8
2000	341,283	31,330	9.2	94,323	27.6	66,423	19.5	14,171	4.2	112,432	32.9	22,604	6.6
2001	354,522	32,270	9.1	99,923	28.2	68,267	19.3	14,154	4.0	116,636	32.9	23,272	6.6
2002	378,991	34,849	9.2	108,185	28.5	70,732	18.7	15,006	4.0	126,654	33.4	23,565	6.2
2003	397,420	34,460	8.7	114,256	28.7	73,105	18.4	15,126	3.8	134,730	33.9	25,743	6.5
2004	402,573	35,034	8.7	114,768	28.5	73,009	18.1	14,903	3.7	137,078	34.1	27,781	6.9
2005	406,620	36,414	9.0	114,304	28.1	74,238	18.3	14,570	3.6	139,403	34.3	27,691	6.8
2006	419,015	36,689	8.8	114,774	27.4	75,911	18.1	14,571	3.5	146,606	35.0	30,464	7.3
2007old ^b	430,860	38,340	8.9	115,192	26.7	77,817	18.1	13,437	3.1	154,293	35.8	31,781	7.4
2007new ^b	437,365	38,631	8.8	116,043	26.5	79,948	18.3	13,497	3.1	157,029	35.9	32,217	7.4
2008	449,613	38,599	8.6	118,349	26.3	83,135	18.5	13,317	3.0	165,658	36.8	30,555	6.8
2009	456,115	38,931	8.5	121,443	26.6	81,828	17.9	12,830	2.8	169,956	37.3	31,127	6.8

Table 1-13. Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2024

(Number and percent)

Year	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
2010	461,185	39,899	8.7	123,698	26.8	83,252	18.1	12,476	2.7	170,564	37.0	31,296	6.8
2011	457,292	41,297	9.0	122,480	26.8	84,173	18.4	12,629	2.8	165,807	36.3	30,906	6.8
2012	459,498	42,005	9.1	119,347	26.0	86,295	18.8	11,646	2.5	166,900	36.3	33,305	7.2
2013	468,953	43,432	9.3	116,377	24.8	88,689	18.9	10,514	2.2	176,788	37.7	33,153	7.1
2014old ^c	484,880	42,804	8.8	115,274	23.8	90,564	18.7	11,207	2.3	191,148	39.4	33,883	7.0
2014new ^c	492,170	43,084	8.8	115,700	23.5	90,947	18.5	11,251	2.3	196,687	40.0	34,501	7.0
2015	506,262	43,460	8.6	116,425	23.0	92,513	18.3	11,175	2.2	205,678	40.6	37,011	7.3
2016	508,773	42,584	8.4	116,222	22.8	91,545	18.0	11,833	2.3	208,182	40.9	38,407	7.5
2017old ^d	498,619	42,120	8.4	110,408	22.1	91,615	18.4	12,380	2.5	200,850	40.3	41,246	8.3
2017new ^d	480,788	41,408	8.6	108,633	22.6	88,323	18.4	12,249	2.5	190,693	39.7	39,482	8.2
2018	491,449	41,779	8.5	111,469	22.7	87,682	17.8	12,896	2.6	196,114	39.9	41,509	8.4
2019	502,442	45,834	9.1	115,320	23.0	88,144	17.5	12,282	2.4	199,077	39.6	41,785	8.3
2020	491,515	43,462	8.8	115,101	23.4	85,292	17.4	12,019	2.4	192,671	39.2	42,970	8.7
2021	543,823	50,212	9.2	124,894	23.0	84,293	15.5	11,621	2.1	225,770	41.5	47,033	8.6
2022	579,301	47,647	8.2	130,185	22.5	84,893	14.7	11,717	2.0	244,299	42.2	60,560	10.5
2023	598,588	50,387	8.4	133,930	22.4	85,312	14.3	11,872	2.0	254,087	42.4	63,000	10.5
2024	596,638	50,559	8.5	136,582	22.9	86,581	14.5	12,113	2.0	245,095	41.1	65,708	11.0
Master's students													
2017new ^d	245,010	6,535	2.7	21,681	8.8	24,193	9.9	1,992	0.8	165,485	67.5	25,124	10.3
2018	248,552	6,880	2.8	20,147	8.1	22,636	9.1	2,253	0.9	171,930	69.2	24,706	9.9
2019	254,532	7,717	3.0	20,406	8.0	23,284	9.1	2,185	0.9	176,457	69.3	24,483	9.6
2020	243,859	6,112	2.5	19,274	7.9	21,699	8.9	2,268	0.9	169,099	69.3	25,407	10.4
2021	286,954	8,928	3.1	21,173	7.4	22,172	7.7	2,009	0.7	202,659	70.6	30,013	10.5
2022	319,618	8,119	2.5	22,556	7.1	23,877	7.5	2,007	0.6	222,506	69.6	40,553	12.7
2023	329,971	8,749	2.7	23,225	7.0	23,509	7.1	2,256	0.7	229,119	69.4	43,113	13.1
2024	322,037	9,494	2.9	22,510	7.0	22,115	6.9	2,438	0.8	221,014	68.6	44,466	13.8
Doctoral students													
2017new ^d	235,778	34,873	14.8	86,952	36.9	64,130	27.2	10,257	4.4	25,208	10.7	14,358	6.1
2018	242,897	34,899	14.4	91,322	37.6	65,046	26.8	10,643	4.4	24,184	10.0	16,803	6.9
2019	247,910	38,117	15.4	94,914	38.3	64,860	26.2	10,097	4.1	22,620	9.1	17,302	7.0
2020	247,656	37,350	15.1	95,827	38.7	63,593	25.7	9,751	3.9	23,572	9.5	17,563	7.1
2021	256,869	41,284	16.1	103,721	40.4	62,121	24.2	9,612	3.7	23,111	9.0	17,020	6.6
2022	259,683	39,528	15.2	107,629	41.4	61,016	23.5	9,710	3.7	21,793	8.4	20,007	7.7
2023	268,617	41,638	15.5	110,705	41.2	61,803	23.0	9,616	3.6	24,968	9.3	19,887	7.4
2024	274,601	41,065	15.0	114,072	41.5	64,466	23.5	9,675	3.5	24,081	8.8	21,242	7.7

na = not applicable.

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^b In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^c In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^d As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other NCSES published data, see the "[Technical Notes](#)."

Source(s):

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

Table 1-14. Graduate students in science broad fields: 1975–2024

(Number)

Year	Total	Agricultural and veterinary sciences ^{a,b}	Biological and biomedical sciences ^a	Communication ^{a,c,d}	Computer and information sciences	Family and consumer sciences and human sciences ^{a,c,d}	Geosciences, atmospheric, and ocean sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences ^{a,d}	Natural resources and conservation ^a	Neurobiology and neuroscience ^{a,d}	Physical sciences ^a	Psychology ^{b,e}	Social sciences ^{a,b}
1975	234,649	10,804	46,185	ne	8,415	ne	12,079	16,892	ne	NA	NA	26,310	36,191	77,773
1976	238,675	11,427	47,453	ne	8,627	ne	12,809	17,071	ne	NA	NA	26,641	37,458	77,189
1977	242,932	11,812	48,975	ne	9,108	ne	13,446	16,052	ne	NA	NA	26,864	38,617	78,058
1978 ^f	236,465	11,981	47,665	ne	9,847	ne	13,268	14,812	ne	NA	NA	26,282	37,522	75,088
1979	247,235	12,365	47,932	ne	11,690	ne	13,731	15,031	ne	NA	NA	26,701	39,766	80,019
1980	251,265	12,689	47,261	ne	13,578	ne	14,051	15,311	ne	NA	NA	26,934	40,610	80,831
1981	252,404	12,585	46,302	ne	16,437	ne	14,263	15,881	ne	NA	NA	27,360	40,666	78,910
1982	255,146	12,826	45,627	ne	19,812	ne	15,018	17,157	ne	NA	NA	28,188	40,073	76,445
1983	255,820	12,728	45,253	ne	23,333	ne	15,443	17,358	ne	NA	NA	29,463	40,905	71,337
1984	256,903	12,528	45,353	ne	25,526	ne	15,500	17,443	ne	NA	NA	30,061	40,931	69,561
1985	261,973	11,846	45,709	ne	29,769	ne	15,414	17,563	ne	NA	NA	30,987	40,721	69,964
1986	266,077	11,771	46,302	ne	31,349	ne	15,053	17,949	ne	NA	NA	32,259	41,241	70,153
1987	269,256	11,405	46,317	ne	32,051	ne	14,357	18,508	ne	NA	NA	32,741	42,612	71,265
1988	272,309	11,438	47,126	ne	32,227	ne	13,854	19,077	ne	NA	NA	32,975	43,963	71,649
1989	278,577	11,461	48,449	ne	32,482	ne	13,630	19,247	ne	NA	NA	33,629	45,528	74,151
1990	289,383	11,563	49,602	ne	34,257	ne	13,977	19,774	ne	NA	NA	34,082	48,167	77,961
1991	299,057	11,766	51,365	ne	34,681	ne	14,466	19,952	ne	NA	NA	34,724	51,343	80,760
1992	312,478	12,153	53,693	ne	36,325	ne	15,324	20,355	ne	NA	NA	35,357	53,484	85,787
1993	318,851	12,305	55,950	ne	36,213	ne	15,721	20,000	ne	NA	NA	35,328	54,557	88,777
1994	318,118	12,611	57,676	ne	34,158	ne	15,957	19,573	ne	NA	NA	34,466	54,554	89,123
1995	315,265	12,768	58,344	ne	33,458	ne	15,716	18,504	ne	NA	NA	33,399	53,641	89,435
1996	311,957	12,301	57,749	ne	34,626	ne	15,183	18,008	ne	NA	NA	32,333	53,122	88,635
1997	306,482	12,203	56,705	ne	35,991	ne	14,548	16,719	ne	NA	NA	31,105	53,126	86,085
1998	304,818	12,168	56,695	ne	38,027	ne	14,258	16,485	ne	NA	NA	30,575	52,557	84,053
1999	309,491	12,312	56,959	ne	42,478	ne	14,083	16,257	ne	NA	NA	30,691	51,727	84,984
2000	309,424	12,023	56,282	ne	47,350	ne	13,941	15,650	ne	NA	NA	30,385	50,466	83,327
2001	319,736	12,235	57,639	ne	52,196	ne	13,841	16,651	ne	NA	NA	31,038	50,454	85,682
2002	335,166	12,698	61,088	ne	55,269	ne	14,240	18,163	ne	NA	NA	32,341	51,152	90,215
2003	347,268	13,197	64,701	ne	53,696	ne	14,620	19,465	ne	NA	NA	34,298	52,162	95,129
2004	352,307	13,445	66,565	ne	50,016	ne	15,131	19,931	ne	NA	NA	35,761	54,126	97,332
2005	357,710	13,123	68,479	ne	47,978	ne	14,836	20,210	ne	NA	NA	36,375	57,282	99,427
2006	363,246	13,016	69,941	ne	47,653	ne	14,920	20,815	ne	NA	NA	36,901	57,653	102,347
2007 ^{old} ^d	372,120	13,222	71,663	ne	48,959	ne	14,675	21,335	ne	NA	NA	37,111	60,284	104,871
2007 ^{new} ^d	384,523	13,528	71,932	7,303	48,246	2,780	14,100	20,975	4,484	NA	1,584	36,824	59,617	103,150

Table 1-14. Graduate students in science broad fields: 1975–2024

(Number)

Year	Total	Agricultural and veterinary sciences ^{a,b}	Biological and biomedical sciences ^a	Communication ^{a,c,d}	Computer and information sciences	Family and consumer sciences and human sciences ^{a,c,d}	Geosciences, atmospheric, and ocean sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences ^{a,d}	Natural resources and conservation ^a	Neurobiology and neuroscience ^{a,d}	Physical sciences ^a	Psychology ^{b,e}	Social sciences ^{a,b}
2008	391,419	14,153	72,666	8,444	49,553	3,549	14,389	21,400	5,559	NA	2,012	37,319	58,991	103,384
2009	401,008	15,200	73,304	9,418	51,161	3,794	14,839	22,226	6,557	NA	2,356	38,149	56,184	107,820
2010	407,291	15,656	74,928	9,825	51,546	4,191	15,655	23,136	7,944	NA	2,798	38,973	53,419	109,220
2011	414,440	16,129	75,423	11,029	51,234	4,509	15,820	23,801	6,537	NA	4,117	39,694	54,486	111,661
2012	413,033	16,234	76,447	11,010	51,789	4,110	16,069	24,575	6,038	NA	4,547	39,928	54,117	108,169
2013	417,251	16,429	76,649	11,114	56,339	4,014	15,816	24,804	5,892	NA	4,795	40,019	54,102	107,278
2014old ^g	425,148	16,947	76,029	11,382	68,766	4,180	15,423	25,502	6,417	NA	4,923	40,196	50,938	104,445
2014new ^g	437,395	17,505	78,490	11,942	76,546	4,302	15,710	25,874	7,196	NA	4,923	40,332	48,833	105,742
2015	448,654	18,610	80,096	11,759	86,192	4,134	15,447	26,444	8,138	NA	5,002	40,386	49,740	102,706
2016	452,046	18,284	79,146	12,347	92,650	3,750	15,015	28,050	9,251	NA	5,226	40,518	47,609	100,200
2017old ^a	450,343	17,674	82,603	11,983	90,657	3,709	14,430	28,990	9,934	NA	5,457	41,081	49,896	93,929
2017new ^a	415,568	9,347	85,217	ne	89,909	ne	12,545	29,669	9,854	10,879	NA	41,829	50,033	76,286
2018	432,255	9,538	87,933	ne	93,478	ne	12,333	31,461	10,338	11,407	NA	42,075	55,707	77,985
2019	453,691	9,518	91,993	ne	101,284	ne	11,878	33,159	11,181	11,743	NA	42,867	61,069	78,999
2020 ^b	464,646	10,800	94,825	ne	98,864	ne	11,792	31,971	14,533	12,498	NA	42,616	68,394	78,353
2021	509,784	11,244	100,883	ne	121,730	ne	12,290	34,258	15,768	13,922	NA	44,141	73,325	82,223
2022	538,166	11,596	102,700	ne	150,555	ne	11,970	34,387	20,945	13,762	NA	44,092	69,442	78,717
2023	561,489	11,755	105,566	ne	166,014	ne	11,594	33,893	26,429	13,490	NA	44,329	73,828	74,591
2024	564,367	12,017	109,018	ne	161,368	ne	11,766	33,979	31,641	13,332	NA	45,337	72,924	72,985
Master's students														
2017new ^a	229,169	5,603	33,926	ne	75,618	ne	6,006	16,568	6,923	7,311	NA	6,368	29,638	41,208
2018	241,327	5,658	35,306	ne	77,351	ne	5,629	18,073	7,414	7,691	NA	6,075	35,404	42,726
2019	259,795	5,629	38,078	ne	84,092	ne	5,327	19,594	8,203	8,066	NA	6,361	40,838	43,607
2020 ^b	267,904	6,487	39,920	ne	80,690	ne	5,277	18,284	10,980	8,793	NA	6,275	47,279	43,919
2021	305,796	6,801	42,728	ne	102,199	ne	5,520	20,639	11,994	10,012	NA	6,409	51,878	47,616
2022	331,983	6,949	43,062	ne	129,972	ne	5,186	20,798	16,931	9,807	NA	6,256	48,321	44,701
2023	348,520	6,901	44,703	ne	143,530	ne	4,793	20,105	21,928	9,486	NA	6,000	49,474	41,600
2024	347,469	6,973	46,661	ne	137,358	ne	4,909	19,948	26,426	9,150	NA	6,008	49,516	40,520
Doctoral students														
2017new ^a	186,399	3,744	51,291	ne	14,291	ne	6,539	13,101	2,931	3,568	NA	35,461	20,395	35,078
2018	190,928	3,880	52,627	ne	16,127	ne	6,704	13,388	2,924	3,716	NA	36,000	20,303	35,259
2019	193,896	3,889	53,915	ne	17,192	ne	6,551	13,565	2,978	3,677	NA	36,506	20,231	35,392
2020 ^b	196,742	4,313	54,905	ne	18,174	ne	6,515	13,687	3,553	3,705	NA	36,341	21,115	34,434
2021	203,988	4,443	58,155	ne	19,531	ne	6,770	13,619	3,774	3,910	NA	37,732	21,447	34,607

Table 1-14. Graduate students in science broad fields: 1975–2024

(Number)

Year	Total	Agricultural and veterinary sciences ^{a,b}	Biological and biomedical sciences ^a	Communication ^{a,c,d}	Computer and information sciences	Family and consumer sciences and human sciences ^{a,c,d}	Geosciences, atmospheric, and ocean sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences ^{a,d}	Natural resources and conservation ^a	Neurobiology and neuroscience ^{a,d}	Physical sciences ^a	Psychology ^{b,e}	Social sciences ^{a,b}
2022	206,183	4,647	59,638	ne	20,583	ne	6,784	13,589	4,014	3,955	NA	37,836	21,121	34,016
2023	212,969	4,854	60,863	ne	22,484	ne	6,801	13,788	4,501	4,004	NA	38,329	24,354	32,991
2024	216,898	5,044	62,357	ne	24,010	ne	6,857	14,031	5,215	4,182	NA	39,329	23,408	32,465

NA = not available; these fields were collected as part of other fields in other years (see footnotes a and d). ne = not eligible; the fields collected have changed over time.

^a As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines (TOD), thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended. Redesign includes the following: natural resources splitting from agricultural sciences; neurosciences being reported under biological and biomedical sciences; human development being reported under social sciences; physical sciences adding materials sciences; social sciences no longer including public administration (no longer collected); and multidisciplinary and interdisciplinary sciences no longer including nanoscience (which was moved to engineering); and communication as well as family and consumer sciences were removed.

^b In 2020, for better alignment to the NCSES TOD and Classification of Instructional Programs, human development was moved from social sciences to psychology, and veterinary biomedical and clinical sciences was moved to agricultural sciences. The broad field of agricultural sciences was renamed to agricultural and veterinary sciences to reflect this change.

^c The field communication and the field family and consumer sciences and human sciences were added as part of the 2007 field eligibility changes. These fields were dropped in 2017 to align the GSS with other NCSES surveys.

^d In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. The science field communication and the science field family and consumer sciences and human sciences were newly eligible in 2007; data for these two fields begin in 2007new. The science field multidisciplinary and interdisciplinary studies was also added to the GSS code list in 2007 (and changed from "studies" to "sciences" in 2022); some data reported in this field were reported under other fields before 2007 and are included in those fields in 2007old; neuroscience is reported as a separate field of science in 2007new; data were reported under health field neurology in 2007old and previous years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^e Beginning in 2008, more rigorous follow-up was done with institutions regarding the exclusion of practitioner-oriented graduate degree programs in psychology. This change may affect interpretation of trends in this field. This follow-up was discontinued in 2017.

^f Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^g In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

Note(s):

Sum of the broad fields may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. For more information on the mapping of GSS fields and codes, see [table A-6](#).

Source(s):

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

Table 1-15. Postdoctoral appointees in science broad fields: 1979–2024

(Number)

Year	Total	Agricultural and veterinary sciences ^{a,b}	Biological and biomedical sciences ^a	Communication ^{a,c,d}	Computer and information sciences	Family and consumer sciences and human sciences ^{a,c,d}	Geosciences, atmospheric, and ocean sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences ^{a,d}	Natural resources and conservation ^a	Neurobiology and neuroscience ^{a,d}	Physical sciences ^a	Psychology ^{b,e}	Social sciences ^{a,b}
1979	12,519	228	6,866	ne	38	ne	315	162	ne	NA	NA	4,056	454	400
1980	13,042	259	7,083	ne	43	ne	312	162	ne	NA	NA	4,279	475	429
1981	13,731	292	7,678	ne	35	ne	346	113	ne	NA	NA	4,477	471	319
1982	13,698	302	7,713	ne	47	ne	340	194	ne	NA	NA	4,298	520	284
1983	14,562	318	8,337	ne	80	ne	420	170	ne	NA	NA	4,458	437	342
1984	14,979	384	8,683	ne	59	ne	493	203	ne	NA	NA	4,408	423	326
1985	15,576	374	9,128	ne	70	ne	379	226	ne	NA	NA	4,539	510	350
1986	16,512	421	9,692	ne	75	ne	420	201	ne	NA	NA	4,860	521	322
1987	17,369	453	10,353	ne	103	ne	424	229	ne	NA	NA	4,968	460	379
1988	18,024	476	10,653	ne	96	ne	496	284	ne	NA	NA	5,201	498	320
1989	18,978	522	11,425	ne	84	ne	453	225	ne	NA	NA	5,366	536	367
1990	19,853	536	11,909	ne	71	ne	594	249	ne	NA	NA	5,592	464	438
1991	20,595	580	12,455	ne	120	ne	625	206	ne	NA	NA	5,722	508	379
1992	21,514	640	13,158	ne	145	ne	692	201	ne	NA	NA	5,792	525	361
1993	22,219	720	13,778	ne	164	ne	765	224	ne	NA	NA	5,669	521	378
1994	23,181	729	14,379	ne	185	ne	824	239	ne	NA	NA	5,884	551	390
1995	23,512	724	14,659	ne	213	ne	845	262	ne	NA	NA	5,851	582	376
1996	23,892	699	14,890	ne	250	ne	861	326	ne	NA	NA	5,828	594	444
1997	24,293	724	15,082	ne	322	ne	942	308	ne	NA	NA	5,968	586	361
1998	25,023	695	15,761	ne	374	ne	902	279	ne	NA	NA	6,004	617	391
1999	25,784	750	16,097	ne	334	ne	925	351	ne	NA	NA	6,157	716	454
2000	26,911	822	16,734	ne	344	ne	1,155	385	ne	NA	NA	6,270	730	471
2001	27,044	833	17,032	ne	336	ne	1,049	353	ne	NA	NA	6,223	809	409
2002	28,371	963	17,640	ne	356	ne	1,129	395	ne	NA	NA	6,619	815	454
2003	29,856	1,054	18,625	ne	355	ne	1,182	449	ne	NA	NA	6,829	960	402
2004	30,116	959	18,716	ne	384	ne	1,263	468	ne	NA	NA	7,059	902	365
2005	30,290	1,007	18,747	ne	406	ne	1,364	500	ne	NA	NA	7,011	884	371
2006	30,245	927	18,807	ne	467	ne	1,495	579	ne	NA	NA	6,703	873	394
2007old ^d	30,986	948	19,218	ne	516	ne	1,322	621	ne	NA	NA	6,760	1,106	495
2007new ^d	31,281	985	19,109	30	456	8	1,250	624	244	NA	285	6,719	1,088	483
2008	32,741	1,147	19,827	32	493	19	1,339	723	348	NA	343	6,885	1,077	508
2009	34,388	1,083	20,159	38	594	22	1,424	737	459	NA	645	7,447	1,219	561
2010 ^{f,g}	37,351	1,190	21,726	62	763	30	1,740	791	785	NA	838	7,583	1,132	711
2011 ^g	37,335	1,256	21,107	67	759	52	1,774	830	704	NA	1,398	7,490	1,124	774

Table 1-15. Postdoctoral appointees in science broad fields: 1979–2024

(Number)

Year	Total	Agricultural and veterinary sciences ^{a,b}	Biological and biomedical sciences ^a	Communication ^{a,c,d}	Computer and information sciences	Family and consumer sciences and human sciences ^{a,c,d}	Geosciences, atmospheric, and ocean sciences	Mathematics and statistics	Multidisciplinary and interdisciplinary sciences ^{a,d}	Natural resources and conservation ^a	Neurobiology and neuroscience ^{a,d}	Physical sciences ^a	Psychology ^{b,e}	Social sciences ^{a,b}
2012	36,738	1,290	20,086	58	760	58	1,956	902	742	NA	1,525	7,430	1,132	799
2013	36,289	1,319	19,330	76	765	90	2,032	932	891	NA	1,696	7,197	1,023	938
2014old ^h	36,184	1,395	18,749	75	833	93	2,059	956	1,045	NA	1,778	7,089	1,062	1,050
2014new ^h	37,316	1,402	19,554	75	834	114	2,061	959	1,045	NA	1,878	7,277	1,066	1,051
2015	37,639	1,525	19,304	83	888	103	2,129	1,011	972	NA	1,957	7,358	1,130	1,179
2016	37,941	1,484	19,427	86	914	116	2,104	1,005	1,095	NA	2,071	7,269	1,177	1,193
2017old ^a	37,816	1,620	19,506	89	856	163	2,136	966	1,126	NA	2,109	6,946	1,072	1,227
2017new ^a	38,241	1,024	21,781	ne	854	ne	2,089	991	1,131	731	NA	7,211	1,082	1,347
2018	37,564	1,072	21,533	ne	879	ne	1,726	982	980	764	NA	6,976	1,145	1,507
2019	38,503	1,079	21,847	ne	878	ne	1,778	1,070	972	806	NA	7,159	1,152	1,762
2020	38,741	1,678	21,902	ne	823	ne	1,790	1,076	832	845	NA	6,937	1,312	1,546
2021	37,189	1,595	20,245	ne	880	ne	1,797	1,112	878	889	NA	6,823	1,325	1,645
2022	36,673	1,705	19,585	ne	859	ne	1,787	1,110	840	936	NA	6,877	1,308	1,666
2023	37,982	1,993	19,520	ne	987	ne	1,919	1,220	988	937	NA	7,220	1,344	1,854
2024	39,702	2,177	20,234	ne	1,042	ne	2,043	1,238	1,061	969	NA	7,570	1,392	1,976

NA = not available; these fields were collected as part of other fields in other years (see footnotes a and d). ne = not eligible; the fields collected have changed over time.

^a As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines, thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended. Redesign includes the following: natural resources splitting from agricultural sciences; neurosciences being reported under biological and biomedical sciences; human development being reported under social sciences; physical sciences adding materials sciences; and social sciences no longer including public administration (no longer collected); and multidisciplinary and interdisciplinary sciences no longer including nanoscience (which was moved to engineering).

^b In 2020, for better alignment to the NCSES TOD and Classification of Instructional Programs, human development was moved from social sciences to psychology, and veterinary biomedical and clinical sciences was moved to agricultural sciences. The broad field of agricultural sciences was renamed to agricultural and veterinary sciences to reflect this change.

^c The field communication and the field family and consumer sciences and human sciences were added as part of the 2007 field eligibility changes. These fields were dropped in 2017 to align the GSS with other NCSES surveys.

^d In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. The science field communication and the science field family and consumer sciences and human sciences were newly eligible in 2007; data for these two fields begin in 2007new. The science field multidisciplinary and interdisciplinary studies was also added to the GSS code list in 2007 (and changed from "studies" to "sciences" in 2022); some data reported in this field were reported under other fields before 2007 and are included in those fields in 2007old; neuroscience is reported as a separate field of science in 2007new; data were reported under health field neurology in 2007old and previous years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^e Beginning in 2008, more rigorous follow-up was done with institutions regarding the exclusion of practitioner-oriented graduate degree programs in psychology. This change may affect interpretation of trends in this field. This follow-up was discontinued in 2017.

^f In 2010, the postdoctoral appointee (postdoc) and nonfaculty researcher (NFR) section of the survey was expanded and significant effort was made to ensure that appropriate personnel were providing postdoc and NFR data. Thus, it is unclear how much of the increases in 2010 and later years over 2009 and prior years are from growth in postdocs and NFRs and how much are from improved data collection. More information on the changes to the data collection is available at <https://www.nsf.gov/statistics/infbrief/nsf13334/>.

^g Postdoc and NFR data from 2010 and 2011 were reimputed following the 2012 data collection; these data supersede those contained in previous reports.

^h In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

Note(s):

For postdoctoral appointees, "field" refers to the field of the unit that reports information on this group to the GSS. Sum of the broad fields may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see [table A-6](#).

Source(s):

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

Table 2-1. Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2024

(Number and percent)

Detailed field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All detailed fields	818,078	100.0	505,930	100.0	312,148	100.0	69,877	100.0	35,142	100.0
Science	564,367	69.0	347,469	68.7	216,898	69.5	39,702	56.8	20,566	58.5
Agricultural and veterinary sciences	12,017	1.5	6,973	1.4	5,044	1.6	2,177	3.1	1,234	3.5
Agricultural sciences	10,838	1.3	6,316	1.2	4,522	1.4	1,394	2.0	900	2.6
Veterinary biomedical and clinical sciences	1,179	0.1	657	0.1	522	0.2	783	1.1	334	1.0
Biological and biomedical sciences	109,018	13.3	46,661	9.2	62,357	20.0	20,234	29.0	8,795	25.0
Biochemistry	5,883	0.7	862	0.2	5,021	1.6	1,778	2.5	913	2.6
Biology	15,713	1.9	7,937	1.6	7,776	2.5	2,133	3.1	827	2.4
Biomedical sciences	12,156	1.5	6,471	1.3	5,685	1.8	1,538	2.2	632	1.8
Biophysics	967	0.1	9	*	958	0.3	161	0.2	81	0.2
Biostatistics and bioinformatics	9,064	1.1	4,881	1.0	4,183	1.3	900	1.3	417	1.2
Biotechnology	4,762	0.6	4,591	0.9	171	0.1	131	0.2	85	0.2
Botany and plant biology	1,723	0.2	411	0.1	1,312	0.4	511	0.7	191	0.5
Cell, cellular biology, and anatomical sciences	6,664	0.8	1,073	0.2	5,591	1.8	1,532	2.2	681	1.9
Ecology and population biology	3,852	0.5	1,085	0.2	2,767	0.9	471	0.7	206	0.6
Epidemiology	6,210	0.8	3,914	0.8	2,296	0.7	390	0.6	168	0.5
Genetics	3,250	0.4	712	0.1	2,538	0.8	1,306	1.9	612	1.7
Microbiological sciences and immunology	6,640	0.8	1,930	0.4	4,710	1.5	1,993	2.9	761	2.2
Molecular biology	1,694	0.2	412	0.1	1,282	0.4	428	0.6	240	0.7
Neurobiology and neuroscience	6,839	0.8	606	0.1	6,233	2.0	2,084	3.0	802	2.3
Nutrition science	4,115	0.5	2,999	0.6	1,116	0.4	163	0.2	93	0.3
Pathology and experimental pathology	1,202	0.1	153	*	1,049	0.3	984	1.4	385	1.1
Pharmacology and toxicology	3,361	0.4	916	0.2	2,445	0.8	1,005	1.4	474	1.3
Physiology	6,684	0.8	3,398	0.7	3,286	1.1	1,510	2.2	702	2.0
Zoology and animal biology	2,150	0.3	941	0.2	1,209	0.4	368	0.5	138	0.4
Biological and biomedical sciences nec	6,089	0.7	3,360	0.7	2,729	0.9	848	1.2	387	1.1
Computer and information sciences	161,368	19.7	137,358	27.1	24,010	7.7	1,042	1.5	653	1.9
Artificial intelligence, informatics, and computer and information science topics	10,337	1.3	9,130	1.8	1,207	0.4	60	0.1	61	0.2
Computer and information sciences	48,547	5.9	40,902	8.1	7,645	2.4	255	0.4	249	0.7
Computer and information systems security	11,976	1.5	11,295	2.2	681	0.2	4	*	16	*
Computer science	53,245	6.5	41,018	8.1	12,227	3.9	553	0.8	181	0.5
Information science and studies	17,709	2.2	16,134	3.2	1,575	0.5	58	0.1	61	0.2
Information technology	12,065	1.5	11,479	2.3	586	0.2	5	*	18	0.1
Computer and information sciences nec	7,489	0.9	7,400	1.5	89	*	107	0.2	67	0.2
Geosciences, atmospheric, and ocean sciences	11,766	1.4	4,909	1.0	6,857	2.2	2,043	2.9	2,253	6.4
Atmospheric sciences and meteorology	1,501	0.2	480	0.1	1,021	0.3	296	0.4	425	1.2

Table 2-1. Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2024

(Number and percent)

Detailed field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Geological and earth sciences	7,301	0.9	3,021	0.6	4,280	1.4	958	1.4	1,069	3.0
Ocean and marine sciences	2,964	0.4	1,408	0.3	1,556	0.5	477	0.7	359	1.0
Geosciences, atmospheric, and ocean sciences nec	ne	ne	ne	ne	ne	ne	312	0.4	400	1.1
Mathematics and statistics	33,979	4.2	19,948	3.9	14,031	4.5	1,238	1.8	199	0.6
Applied mathematics	11,340	1.4	9,172	1.8	2,168	0.7	211	0.3	64	0.2
Mathematics	12,041	1.5	3,738	0.7	8,303	2.7	823	1.2	100	0.3
Statistics	10,598	1.3	7,038	1.4	3,560	1.1	204	0.3	35	0.1
Multidisciplinary and interdisciplinary sciences	31,641	3.9	26,426	5.2	5,215	1.7	1,061	1.5	890	2.5
Biological and physical sciences	1,847	0.2	810	0.2	1,037	0.3	55	0.1	45	0.1
Computational science	3,267	0.4	2,880	0.6	387	0.1	39	0.1	72	0.2
Data science and data analytics	14,514	1.8	14,140	2.8	374	0.1	113	0.2	71	0.2
International and global studies	1,045	0.1	903	0.2	142	*	48	0.1	19	0.1
Multidisciplinary and interdisciplinary sciences nec	10,968	1.3	7,693	1.5	3,275	1.0	806	1.2	683	1.9
Natural resources and conservation	13,332	1.6	9,150	1.8	4,182	1.3	969	1.4	649	1.8
Environmental science and studies	6,291	0.8	4,240	0.8	2,051	0.7	395	0.6	234	0.7
Forestry, natural resources, and conservation	7,041	0.9	4,910	1.0	2,131	0.7	574	0.8	415	1.2
Physical sciences	45,337	5.5	6,008	1.2	39,329	12.6	7,570	10.8	3,093	8.8
Astronomy and astrophysics	1,750	0.2	112	*	1,638	0.5	747	1.1	635	1.8
Chemistry	23,476	2.9	2,764	0.5	20,712	6.6	3,471	5.0	877	2.5
Materials sciences	1,643	0.2	435	0.1	1,208	0.4	255	0.4	70	0.2
Physics	17,515	2.1	2,289	0.5	15,226	4.9	2,800	4.0	1,150	3.3
Physical sciences nec	953	0.1	408	0.1	545	0.2	297	0.4	361	1.0
Psychology	72,924	8.9	49,516	9.8	23,408	7.5	1,392	2.0	892	2.5
Applied psychology	24,915	3.0	20,306	4.0	4,609	1.5	127	0.2	104	0.3
Clinical psychology	7,814	1.0	4,477	0.9	3,337	1.1	65	0.1	17	*
Counseling psychology	16,074	2.0	13,289	2.6	2,785	0.9	16	*	8	*
Human development	2,000	0.2	1,295	0.3	705	0.2	117	0.2	156	0.4
Psychology, general	13,774	1.7	7,369	1.5	6,405	2.1	760	1.1	415	1.2
Research and experimental psychology	8,347	1.0	2,780	0.5	5,567	1.8	307	0.4	192	0.5
Social sciences	72,985	8.9	40,520	8.0	32,465	10.4	1,976	2.8	1,908	5.4
Agricultural and natural resource economics	708	0.1	451	0.1	257	0.1	77	0.1	41	0.1
Anthropology	5,763	0.7	2,023	0.4	3,740	1.2	173	0.2	75	0.2
Area, ethnic, cultural, gender, and group studies	4,793	0.6	2,421	0.5	2,372	0.8	280	0.4	183	0.5
Criminal justice and safety studies	6,432	0.8	4,924	1.0	1,508	0.5	12	*	23	0.1
Criminology	1,457	0.2	1,113	0.2	344	0.1	8	*	10	*
Economics (except agricultural and natural resource)	14,500	1.8	6,350	1.3	8,150	2.6	181	0.3	139	0.4

Table 2-1. Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2024

(Number and percent)

Detailed field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral		Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent				
Geography and cartography	3,478	0.4	2,309	0.5	1,169	0.4	134	0.2	114	0.3
International relations and national security studies	7,316	0.9	6,996	1.4	320	0.1	95	0.1	103	0.3
Linguistics	2,552	0.3	952	0.2	1,600	0.5	66	0.1	53	0.2
Political science and government	7,437	0.9	2,506	0.5	4,931	1.6	172	0.2	94	0.3
Public policy analysis	7,154	0.9	4,491	0.9	2,663	0.9	350	0.5	518	1.5
Sociology and population studies	6,311	0.8	1,965	0.4	4,346	1.4	206	0.3	227	0.6
Urban studies and affairs	813	0.1	529	0.1	284	0.1	27	*	51	0.1
Social sciences, other	4,271	0.5	3,490	0.7	781	0.3	195	0.3	277	0.8
Engineering	176,012	21.5	99,571	19.7	76,441	24.5	9,545	13.7	4,436	12.6
Aerospace, aeronautical, and astronautical engineering	8,595	1.1	5,563	1.1	3,032	1.0	246	0.4	167	0.5
Biological, biomedical, and biosystems engineering	15,805	1.9	5,475	1.1	10,330	3.3	1,685	2.4	680	1.9
Chemical, petroleum, and chemical-related engineering	10,599	1.3	2,664	0.5	7,935	2.5	1,552	2.2	363	1.0
Chemical engineering	9,735	1.2	2,258	0.4	7,477	2.4	1,514	2.2	317	0.9
Petroleum engineering	864	0.1	406	0.1	458	0.1	38	0.1	46	0.1
Civil, environmental, transportation and related engineering fields	19,259	2.4	11,360	2.2	7,899	2.5	1,166	1.7	583	1.7
Civil engineering	15,425	1.9	8,685	1.7	6,740	2.2	1,063	1.5	497	1.4
Architectural, environmental, construction and surveying engineering	3,834	0.5	2,675	0.5	1,159	0.4	103	0.1	86	0.2
Electrical, electronics, communications and computer engineering	48,615	5.9	30,841	6.1	17,774	5.7	1,381	2.0	698	2.0
Electrical, electronics, and communications engineering	32,921	4.0	18,216	3.6	14,705	4.7	1,288	1.8	630	1.8
Computer engineering	15,694	1.9	12,625	2.5	3,069	1.0	93	0.1	68	0.2
Industrial, manufacturing, systems engineering and operations research	15,750	1.9	11,704	2.3	4,046	1.3	162	0.2	164	0.5
Industrial and manufacturing engineering	7,422	0.9	5,044	1.0	2,378	0.8	98	0.1	84	0.2
Systems engineering and operations research	8,328	1.0	6,660	1.3	1,668	0.5	64	0.1	80	0.2
Mechanical engineering	26,994	3.3	15,136	3.0	11,858	3.8	1,459	2.1	566	1.6
Metallurgical, mining, materials and related engineering fields	7,361	0.9	2,503	0.5	4,858	1.6	588	0.8	260	0.7
Other engineering	23,034	2.8	14,325	2.8	8,709	2.8	1,306	1.9	955	2.7
Agricultural engineering	1,062	0.1	387	0.1	675	0.2	162	0.2	51	0.1
Engineering mechanics, physics, and science	2,337	0.3	663	0.1	1,674	0.5	279	0.4	185	0.5
Nuclear engineering	1,707	0.2	566	0.1	1,141	0.4	112	0.2	32	0.1
Engineering, other	17,928	2.2	12,709	2.5	5,219	1.7	753	1.1	687	2.0
Health	77,699	9.5	58,890	11.6	18,809	6.0	20,630	29.5	10,140	28.9
Clinical medicine	33,044	4.0	26,645	5.3	6,399	2.0	17,919	25.6	8,618	24.5
Medical clinical sciences and clinical and medical laboratory sciences	2,037	0.2	1,307	0.3	730	0.2	650	0.9	383	1.1
Public health	31,007	3.8	25,338	5.0	5,669	1.8	887	1.3	799	2.3
Anesthesiology	ne	ne	ne	ne	ne	ne	453	0.6	181	0.5
Cardiology and cardiovascular disease	ne	ne	ne	ne	ne	ne	667	1.0	230	0.7

Table 2-1. Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2024

(Number and percent)

Detailed field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral		Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent				
Endocrinology, diabetes, and metabolism	ne	ne	ne	ne	ne	ne	325	0.5	123	0.4
Gastroenterology	ne	ne	ne	ne	ne	ne	240	0.3	76	0.2
Hematology	ne	ne	ne	ne	ne	ne	359	0.5	174	0.5
Neurology and neurosurgery	ne	ne	ne	ne	ne	ne	1,890	2.7	730	2.1
Obstetrics and gynecology	ne	ne	ne	ne	ne	ne	303	0.4	137	0.4
Oncology and cancer research	ne	ne	ne	ne	ne	ne	1,595	2.3	642	1.8
Ophthalmology	ne	ne	ne	ne	ne	ne	618	0.9	349	1.0
Otorhinolaryngology	ne	ne	ne	ne	ne	ne	291	0.4	180	0.5
Pediatrics	ne	ne	ne	ne	ne	ne	1,306	1.9	769	2.2
Psychiatry	ne	ne	ne	ne	ne	ne	1,164	1.7	424	1.2
Pulmonary disease	ne	ne	ne	ne	ne	ne	278	0.4	107	0.3
Radiological sciences	ne	ne	ne	ne	ne	ne	1,465	2.1	555	1.6
Surgery	ne	ne	ne	ne	ne	ne	1,409	2.0	697	2.0
Clinical medicine nec	ne	ne	ne	ne	ne	ne	4,019	5.8	2,062	5.9
Other health	44,655	5.5	32,245	6.4	12,410	4.0	2,711	3.9	1,522	4.3
Communication disorders sciences	17,716	2.2	16,986	3.4	730	0.2	105	0.2	103	0.3
Dental sciences	2,220	0.3	1,420	0.3	800	0.3	308	0.4	159	0.5
Kinesiology and exercise science	4,990	0.6	4,027	0.8	963	0.3	83	0.1	63	0.2
Nursing science	4,936	0.6	1,550	0.3	3,386	1.1	173	0.2	180	0.5
Pharmaceutical sciences	5,455	0.7	2,355	0.5	3,100	1.0	1,528	2.2	523	1.5
Other health nec	9,338	1.1	5,907	1.2	3,431	1.1	514	0.7	494	1.4

* = value < 0.05%; ne = not eligible.

nec = not elsewhere classified.

Note(s):

For postdoctoral appointees and doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS 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.

Table 2-2. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2024

(Number and percent)

Broad field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Total number	Percentage in public institutions	Total number	Percentage in public institutions	Total number	Percentage in public institutions	Total number	Percentage in public institutions	Total number	Percentage in public institutions
All broad fields	818,078	67.0	505,930	65.8	312,148	68.9	69,877	53.2	35,142	66.8
Science	564,367	65.7	347,469	64.3	216,898	67.9	39,702	56.1	20,566	66.8
Agricultural and veterinary sciences	12,017	94.7	6,973	93.9	5,044	95.8	2,177	91.6	1,234	92.6
Biological and biomedical sciences	109,018	62.1	46,661	58.5	62,357	64.8	20,234	49.5	8,795	56.3
Computer and information sciences	161,368	70.6	137,358	71.1	24,010	67.9	1,042	56.7	653	82.7
Geosciences, atmospheric, and ocean sciences	11,766	82.4	4,909	87.9	6,857	78.4	2,043	66.8	2,253	82.4
Mathematics and statistics	33,979	66.9	19,948	61.5	14,031	74.4	1,238	61.5	199	68.8
Multidisciplinary and interdisciplinary sciences	31,641	60.3	26,426	58.2	5,215	71.1	1,061	48.7	890	63.9
Natural resources and conservation	13,332	85.8	9,150	84.6	4,182	88.3	969	85.0	649	94.1
Physical sciences	45,337	71.6	6,008	73.5	39,329	71.3	7,570	58.3	3,093	67.9
Psychology	72,924	51.1	49,516	47.7	23,408	58.4	1,392	56.8	892	71.1
Social sciences	72,985	61.8	40,520	59.7	32,465	64.5	1,976	50.1	1,908	62.8
Engineering	176,012	69.3	99,571	67.1	76,441	72.1	9,545	59.0	4,436	76.5
Aerospace, aeronautical, and astronautical engineering	8,595	77.1	5,563	74.1	3,032	82.6	246	67.5	167	88.0
Biological, biomedical, and biosystems engineering	15,805	58.6	5,475	60.2	10,330	57.7	1,685	42.6	680	53.8
Chemical, petroleum, and chemical-related engineering	10,599	68.8	2,664	67.4	7,935	69.2	1,552	54.3	363	67.5
Civil, environmental, transportation and related engineering fields	19,259	76.8	11,360	75.0	7,899	79.4	1,166	66.6	583	82.2
Electrical, electronics, communications and computer engineering	48,615	66.1	30,841	61.8	17,774	73.5	1,381	63.4	698	80.5
Industrial, manufacturing, systems engineering and operations research	15,750	65.1	11,704	61.1	4,046	76.6	162	61.1	164	72.0
Mechanical engineering	26,994	70.2	15,136	68.2	11,858	72.7	1,459	62.3	566	81.4
Metallurgical, mining, materials and related engineering fields	7,361	77.4	2,503	76.4	4,858	77.8	588	63.8	260	87.7
Other engineering	23,034	73.7	14,325	74.3	8,709	72.6	1,306	66.8	955	82.6
Health	77,699	71.2	58,890	72.5	18,809	66.8	20,630	44.9	10,140	62.5
Clinical medicine ^a	33,044	69.3	26,645	70.4	6,399	64.7	17,919	39.9	8,618	59.2
Other health	44,655	72.5	32,245	74.3	12,410	67.9	2,711	77.6	1,522	81.3

^a Clinical medicine includes graduate students in public health and in medical clinical sciences and clinical and medical laboratory sciences. Clinical medicine includes postdoctoral appointees and nonfaculty researchers in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.

Note(s):

For postdoctoral appointees and doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS 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.

Table 2-3. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by Carnegie classification: 2024

(Number and percent)

2021 Carnegie classification by area of study	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All broad fields	818,078	100.0	505,930	100.0	312,148	100.0	69,877	100.0	35,142	100.0
Doctoral: highest research	555,556	67.9	299,366	59.2	256,190	82.1	58,358	83.5	30,046	85.5
Doctoral: higher research	123,346	15.1	91,432	18.1	31,914	10.2	2,737	3.9	1,986	5.7
Doctoral or professional universities	45,166	5.5	35,746	7.1	9,420	3.0	24	*	8	*
Master's: larger programs	64,730	7.9	63,187	12.5	1,543	0.5	77	0.1	44	0.1
Master's: medium programs	5,008	0.6	4,258	0.8	750	0.2	39	0.1	26	0.1
Master's: small programs and baccalaureate	1,892	0.2	1,609	0.3	283	0.1	67	0.1	11	*
Medical schools and centers	7,760	0.9	5,366	1.1	2,394	0.8	1,205	1.7	559	1.6
Other 4-year special focus	12,415	1.5	3,662	0.7	8,753	2.8	6,430	9.2	2,199	6.3
Not classified	2,205	0.3	1,304	0.3	901	0.3	940	1.3	263	0.7
Science	564,367	100.0	347,469	100.0	216,898	100.0	39,702	100.0	20,566	100.0
Doctoral: highest research	371,369	65.8	195,072	56.1	176,297	81.3	33,034	83.2	17,517	85.2
Doctoral: higher research	87,346	15.5	65,926	19.0	21,420	9.9	1,821	4.6	1,355	6.6
Doctoral or professional universities	36,445	6.5	28,925	8.3	7,520	3.5	11	*	6	*
Master's: larger programs	49,436	8.8	48,379	13.9	1,057	0.5	36	0.1	13	0.1
Master's: medium programs	3,614	0.6	3,058	0.9	556	0.3	32	0.1	14	0.1
Master's: small programs and baccalaureate	1,277	0.2	1,073	0.3	204	0.1	65	0.2	11	0.1
Medical schools and centers	4,513	0.8	2,706	0.8	1,807	0.8	642	1.6	540	2.6
Other 4-year special focus	8,486	1.5	1,310	0.4	7,176	3.3	3,144	7.9	869	4.2
Not classified	1,881	0.3	1,020	0.3	861	0.4	917	2.3	241	1.2
Engineering	176,012	100.0	99,571	100.0	76,441	100.0	9,545	100.0	4,436	100.0
Doctoral: highest research	143,013	81.3	74,979	75.3	68,034	89.0	8,865	92.9	3,856	86.9
Doctoral: higher research	21,219	12.1	14,138	14.2	7,081	9.3	483	5.1	455	10.3
Doctoral or professional universities	2,289	1.3	2,104	2.1	185	0.2	12	0.1	0	0.0
Master's: larger programs	7,485	4.3	7,114	7.1	371	0.5	19	0.2	31	0.7
Master's: medium programs	1,028	0.6	834	0.8	194	0.3	7	0.1	12	0.3
Master's: small programs and baccalaureate	425	0.2	346	0.3	79	0.1	2	*	0	0.0
Medical schools and centers	5	*	0	0.0	5	*	1	*	0	0.0
Other 4-year special focus	548	0.3	56	0.1	492	0.6	136	1.4	60	1.4
Not classified	0	0.0	0	0.0	0	0.0	20	0.2	22	0.5
Health	77,699	100.0	58,890	100.0	18,809	100.0	20,630	100.0	10,140	100.0
Doctoral: highest research	41,174	53.0	29,315	49.8	11,859	63.0	16,459	79.8	8,673	85.5
Doctoral: higher research	14,781	19.0	11,368	19.3	3,413	18.1	433	2.1	176	1.7
Doctoral or professional universities	6,432	8.3	4,717	8.0	1,715	9.1	1	*	2	*
Master's: larger programs	7,809	10.1	7,694	13.1	115	0.6	22	0.1	0	0.0
Master's: medium programs	366	0.5	366	0.6	0	0.0	0	0.0	0	0.0

Table 2-3. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by Carnegie classification: 2024

(Number and percent)

2021 Carnegie classification by area of study	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Master's: small programs and baccalaureate	190	0.2	190	0.3	0	0.0	0	0.0	0	0.0
Medical schools and centers	3,242	4.2	2,660	4.5	582	3.1	562	2.7	19	0.2
Other 4-year special focus	3,381	4.4	2,296	3.9	1,085	5.8	3,150	15.3	1,270	12.5
Not classified	324	0.4	284	0.5	40	0.2	3	*	0	0.0

* = value < 0.05%.

Note(s):

Institutions are designated by 2021 Carnegie classification codes. 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.

Table 2-4. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2024

(Number and percent)

Detailed field	Master's students					Doctoral students					Postdoctoral appointees					Doctorate-holding nonfaculty researchers				
	Total	Male		Female		Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
All detailed fields	505,930	256,667	50.7	249,263	49.3	312,148	165,700	53.1	146,448	46.9	69,877	39,230	56.1	30,647	43.9	35,142	19,523	55.6	15,619	44.4
Science	347,469	171,601	49.4	175,868	50.6	216,898	106,740	49.2	110,158	50.8	39,702	22,415	56.5	17,287	43.5	20,566	11,670	56.7	8,896	43.3
Agricultural and veterinary sciences	6,973	2,538	36.4	4,435	63.6	5,044	2,299	45.6	2,745	54.4	2,177	1,032	47.4	1,145	52.6	1,234	645	52.3	589	47.7
Agricultural sciences	6,316	2,394	37.9	3,922	62.1	4,522	2,083	46.1	2,439	53.9	1,394	760	54.5	634	45.5	900	489	54.3	411	45.7
Veterinary biomedical and clinical sciences	657	144	21.9	513	78.1	522	216	41.4	306	58.6	783	272	34.7	511	65.3	334	156	46.7	178	53.3
Biological and biomedical sciences	46,661	15,055	32.3	31,606	67.7	62,357	25,010	40.1	37,347	59.9	20,234	10,560	52.2	9,674	47.8	8,795	4,581	52.1	4,214	47.9
Biochemistry	862	356	41.3	506	58.7	5,021	2,282	45.4	2,739	54.6	1,778	989	55.6	789	44.4	913	526	57.6	387	42.4
Biology	7,937	2,785	35.1	5,152	64.9	7,776	3,090	39.7	4,686	60.3	2,133	1,157	54.2	976	45.8	827	420	50.8	407	49.2
Biomedical sciences	6,471	1,865	28.8	4,606	71.2	5,685	2,139	37.6	3,546	62.4	1,538	776	50.5	762	49.5	632	312	49.4	320	50.6
Biophysics	9	4	44.4	5	55.6	958	552	57.6	406	42.4	161	93	57.8	68	42.2	81	57	70.4	24	29.6
Biostatistics and bioinformatics	4,881	1,989	40.7	2,892	59.3	4,183	2,177	52.0	2,006	48.0	900	553	61.4	347	38.6	417	224	53.7	193	46.3
Biotechnology	4,591	1,725	37.6	2,866	62.4	171	66	38.6	105	61.4	131	70	53.4	61	46.6	85	50	58.8	35	41.2
Botany and plant biology	411	145	35.3	266	64.7	1,312	586	44.7	726	55.3	511	268	52.4	243	47.6	191	99	51.8	92	48.2
Cell, cellular biology, and anatomical sciences	1,073	362	33.7	711	66.3	5,591	2,166	38.7	3,425	61.3	1,532	774	50.5	758	49.5	681	367	53.9	314	46.1
Ecology and population biology	1,085	397	36.6	688	63.4	2,767	1,079	39.0	1,688	61.0	471	218	46.3	253	53.7	206	99	48.1	107	51.9
Epidemiology	3,914	918	23.5	2,996	76.5	2,296	734	32.0	1,562	68.0	390	156	40.0	234	60.0	168	57	33.9	111	66.1
Genetics	712	152	21.3	560	78.7	2,538	983	38.7	1,555	61.3	1,306	715	54.7	591	45.3	612	316	51.6	296	48.4
Microbiological sciences and immunology	1,930	526	27.3	1,404	72.7	4,710	1,797	38.2	2,913	61.8	1,993	983	49.3	1,010	50.7	761	389	51.1	372	48.9
Molecular biology	412	143	34.7	269	65.3	1,282	538	42.0	744	58.0	428	226	52.8	202	47.2	240	142	59.2	98	40.8
Neurobiology and neuroscience	606	207	34.2	399	65.8	6,233	2,297	36.9	3,936	63.1	2,084	1,101	52.8	983	47.2	802	413	51.5	389	48.5
Nutrition science	2,999	434	14.5	2,565	85.5	1,116	278	24.9	838	75.1	163	58	35.6	105	64.4	93	34	36.6	59	63.4
Pathology and experimental pathology	153	31	20.3	122	79.7	1,049	376	35.8	673	64.2	984	501	50.9	483	49.1	385	191	49.6	194	50.4
Pharmacology and toxicology	916	317	34.6	599	65.4	2,445	963	39.4	1,482	60.6	1,005	524	52.1	481	47.9	474	249	52.5	225	47.5
Physiology	3,398	1,355	39.9	2,043	60.1	3,286	1,366	41.6	1,920	58.4	1,510	765	50.7	745	49.3	702	370	52.7	332	47.3
Zoology and animal biology	941	361	38.4	580	61.6	1,209	501	41.4	708	58.6	368	196	53.3	172	46.7	138	65	47.1	73	52.9
Biological and biomedical sciences nec	3,360	983	29.3	2,377	70.7	2,729	1,040	38.1	1,689	61.9	848	437	51.5	411	48.5	387	201	51.9	186	48.1
Computer and information sciences	137,358	91,931	66.9	45,427	33.1	24,010	17,182	71.6	6,828	28.4	1,042	742	71.2	300	28.8	653	477	73.0	176	27.0
Artificial intelligence, informatics, and computer and information science topics	9,130	5,944	65.1	3,186	34.9	1,207	762	63.1	445	36.9	60	42	70.0	18	30.0	61	47	77.0	14	23.0
Computer and information sciences	40,902	28,922	70.7	11,980	29.3	7,645	5,698	74.5	1,947	25.5	255	185	72.5	70	27.5	249	188	75.5	61	24.5
Computer and information systems security	11,295	8,162	72.3	3,133	27.7	681	510	74.9	171	25.1	4	2	50.0	2	50.0	16	13	81.3	3	18.8
Computer science	41,018	28,531	69.6	12,487	30.4	12,227	9,062	74.1	3,165	25.9	553	411	74.3	142	25.7	181	128	70.7	53	29.3
Information science and studies	16,134	8,762	54.3	7,372	45.7	1,575	744	47.2	831	52.8	58	31	53.4	27	46.6	61	36	59.0	25	41.0
Information technology	11,479	6,987	60.9	4,492	39.1	586	347	59.2	239	40.8	5	2	40.0	3	60.0	18	11	61.1	7	38.9
Computer and information sciences nec	7,400	4,623	62.5	2,777	37.5	89	59	66.3	30	33.7	107	69	64.5	38	35.5	67	54	80.6	13	19.4
Geosciences, atmospheric, and ocean sciences	4,909	2,213	45.1	2,696	54.9	6,857	3,295	48.1	3,562	51.9	2,043	1,169	57.2	874	42.8	2,253	1,478	65.6	775	34.4
Atmospheric sciences and meteorology	480	246	51.3	234	48.8	1,021	600	58.8	421	41.2	296	177	59.8	119	40.2	425	309	72.7	116	27.3

Table 2-4. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2024

(Number and percent)

Detailed field	Master's students					Doctoral students					Postdoctoral appointees					Doctorate-holding nonfaculty researchers				
	Total	Male		Female		Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
Geological and earth sciences	3,021	1,505	49.8	1,516	50.2	4,280	2,110	49.3	2,170	50.7	958	560	58.5	398	41.5	1,069	695	65.0	374	35.0
Ocean and marine sciences	1,408	462	32.8	946	67.2	1,556	585	37.6	971	62.4	477	266	55.8	211	44.2	359	212	59.1	147	40.9
Geosciences, atmospheric, and ocean sciences nec	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	312	166	53.2	146	46.8	400	262	65.5	138	34.5
Mathematics and statistics	19,948	12,395	62.1	7,553	37.9	14,031	9,831	70.1	4,200	29.9	1,238	935	75.5	303	24.5	199	125	62.8	74	37.2
Applied mathematics	9,172	6,025	65.7	3,147	34.3	2,168	1,483	68.4	685	31.6	211	167	79.1	44	20.9	64	43	67.2	21	32.8
Mathematics	3,738	2,239	59.9	1,499	40.1	8,303	6,067	73.1	2,236	26.9	823	625	75.9	198	24.1	100	61	61.0	39	39.0
Statistics	7,038	4,131	58.7	2,907	41.3	3,560	2,281	64.1	1,279	35.9	204	143	70.1	61	29.9	35	21	60.0	14	40.0
Multidisciplinary and interdisciplinary sciences	26,426	13,790	52.2	12,636	47.8	5,215	2,395	45.9	2,820	54.1	1,061	571	53.8	490	46.2	890	532	59.8	358	40.2
Biological and physical sciences	810	322	39.8	488	60.2	1,037	453	43.7	584	56.3	55	32	58.2	23	41.8	45	33	73.3	12	26.7
Computational science	2,880	1,816	63.1	1,064	36.9	387	270	69.8	117	30.2	39	25	64.1	14	35.9	72	47	65.3	25	34.7
Data science and data analytics	14,140	8,721	61.7	5,419	38.3	374	249	66.6	125	33.4	113	60	53.1	53	46.9	71	43	60.6	28	39.4
International and global studies	903	292	32.3	611	67.7	142	60	42.3	82	57.7	48	29	60.4	19	39.6	19	9	47.4	10	52.6
Multidisciplinary and interdisciplinary sciences nec	7,693	2,639	34.3	5,054	65.7	3,275	1,363	41.6	1,912	58.4	806	425	52.7	381	47.3	683	400	58.6	283	41.4
Natural resources and conservation	9,150	3,577	39.1	5,573	60.9	4,182	1,755	42.0	2,427	58.0	969	493	50.9	476	49.1	649	375	57.8	274	42.2
Environmental science and studies	4,240	1,555	36.7	2,685	63.3	2,051	792	38.6	1,259	61.4	395	182	46.1	213	53.9	234	129	55.1	105	44.9
Forestry, natural resources, and conservation	4,910	2,022	41.2	2,888	58.8	2,131	963	45.2	1,168	54.8	574	311	54.2	263	45.8	415	246	59.3	169	40.7
Physical sciences	6,008	3,613	60.1	2,395	39.9	39,329	24,428	62.1	14,901	37.9	7,570	5,524	73.0	2,046	27.0	3,093	2,305	74.5	788	25.5
Astronomy and astrophysics	112	56	50.0	56	50.0	1,638	842	51.4	796	48.6	747	499	66.8	248	33.2	635	445	70.1	190	29.9
Chemistry	2,764	1,315	47.6	1,449	52.4	20,712	11,246	54.3	9,466	45.7	3,471	2,453	70.7	1,018	29.3	877	611	69.7	266	30.3
Materials sciences	435	298	68.5	137	31.5	1,208	803	66.5	405	33.5	255	187	73.3	68	26.7	70	52	74.3	18	25.7
Physics	2,289	1,748	76.4	541	23.6	15,226	11,220	73.7	4,006	26.3	2,800	2,174	77.6	626	22.4	1,150	919	79.9	231	20.1
Physical sciences nec	408	196	48.0	212	52.0	545	317	58.2	228	41.8	297	211	71.0	86	29.0	361	278	77.0	83	23.0
Psychology	49,516	8,914	18.0	40,602	82.0	23,408	5,350	22.9	18,058	77.1	1,392	486	34.9	906	65.1	892	287	32.2	605	67.8
Applied psychology	20,306	3,485	17.2	16,821	82.8	4,609	1,041	22.6	3,568	77.4	127	33	26.0	94	74.0	104	29	27.9	75	72.1
Clinical psychology	4,477	914	20.4	3,563	79.6	3,337	635	19.0	2,702	81.0	65	9	13.8	56	86.2	17	6	35.3	11	64.7
Counseling psychology	13,289	2,271	17.1	11,018	82.9	2,785	518	18.6	2,267	81.4	16	3	18.8	13	81.3	8	3	37.5	5	62.5
Human development	1,295	116	9.0	1,179	91.0	705	97	13.8	608	86.2	117	36	30.8	81	69.2	156	40	25.6	116	74.4
Psychology, general	7,369	1,581	21.5	5,788	78.5	6,405	1,612	25.2	4,793	74.8	760	279	36.7	481	63.3	415	146	35.2	269	64.8
Research and experimental psychology	2,780	547	19.7	2,233	80.3	5,567	1,447	26.0	4,120	74.0	307	126	41.0	181	59.0	192	63	32.8	129	67.2
Social sciences	40,520	17,575	43.4	22,945	56.6	32,465	15,195	46.8	17,270	53.2	1,976	903	45.7	1,073	54.3	1,908	865	45.3	1,043	54.7
Agricultural and natural resource economics	451	235	52.1	216	47.9	257	125	48.6	132	51.4	77	41	53.2	36	46.8	41	27	65.9	14	34.1
Anthropology	2,023	570	28.2	1,453	71.8	3,740	1,234	33.0	2,506	67.0	173	58	33.5	115	66.5	75	26	34.7	49	65.3
Area, ethnic, cultural, gender, and group studies	2,421	794	32.8	1,627	67.2	2,372	813	34.3	1,559	65.7	280	98	35.0	182	65.0	183	76	41.5	107	58.5
Criminal justice and safety studies	4,924	1,732	35.2	3,192	64.8	1,508	644	42.7	864	57.3	12	5	41.7	7	58.3	23	9	39.1	14	60.9
Criminology	1,113	332	29.8	781	70.2	344	107	31.1	237	68.9	8	6	75.0	2	25.0	10	5	50.0	5	50.0
Economics (except agricultural and natural resource)	6,350	3,646	57.4	2,704	42.6	8,150	5,059	62.1	3,091	37.9	181	114	63.0	67	37.0	139	88	63.3	51	36.7

Table 2-4. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2024

(Number and percent)

Detailed field	Master's students					Doctoral students					Postdoctoral appointees					Doctorate-holding nonfaculty researchers				
	Total	Male		Female		Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
Geography and cartography	2,309	1,279	55.4	1,030	44.6	1,169	561	48.0	608	52.0	134	72	53.7	62	46.3	114	73	64.0	41	36.0
International relations and national security studies	6,996	3,564	50.9	3,432	49.1	320	169	52.8	151	47.2	95	56	58.9	39	41.1	103	69	67.0	34	33.0
Linguistics	952	315	33.1	637	66.9	1,600	668	41.8	932	58.3	66	31	47.0	35	53.0	53	26	49.1	27	50.9
Political science and government	2,506	1,316	52.5	1,190	47.5	4,931	2,628	53.3	2,303	46.7	172	88	51.2	84	48.8	94	45	47.9	49	52.1
Public policy analysis	4,491	1,788	39.8	2,703	60.2	2,663	1,272	47.8	1,391	52.2	350	150	42.9	200	57.1	518	189	36.5	329	63.5
Sociology and population studies	1,965	534	27.2	1,431	72.8	4,346	1,486	34.2	2,860	65.8	206	97	47.1	109	52.9	227	99	43.6	128	56.4
Urban studies and affairs	529	200	37.8	329	62.2	284	122	43.0	162	57.0	27	8	29.6	19	70.4	51	24	47.1	27	52.9
Social sciences, other	3,490	1,270	36.4	2,220	63.6	781	307	39.3	474	60.7	195	79	40.5	116	59.5	277	109	39.4	168	60.6
Engineering	99,571	72,693	73.0	26,878	27.0	76,441	53,194	69.6	23,247	30.4	9,545	6,874	72.0	2,671	28.0	4,436	3,283	74.0	1,153	26.0
Aerospace, aeronautical, and astronautical engineering	5,563	4,487	80.7	1,076	19.3	3,032	2,438	80.4	594	19.6	246	209	85.0	37	15.0	167	136	81.4	31	18.6
Biological, biomedical, and biosystems engineering	5,475	2,759	50.4	2,716	49.6	10,330	5,240	50.7	5,090	49.3	1,685	1,005	59.6	680	40.4	680	402	59.1	278	40.9
Chemical, petroleum, and chemical-related engineering	2,664	1,773	66.6	891	33.4	7,935	5,068	63.9	2,867	36.1	1,552	1,085	69.9	467	30.1	363	258	71.1	105	28.9
Chemical engineering	2,258	1,449	64.2	809	35.8	7,477	4,703	62.9	2,774	37.1	1,514	1,054	69.6	460	30.4	317	221	69.7	96	30.3
Petroleum engineering	406	324	79.8	82	20.2	458	365	79.7	93	20.3	38	31	81.6	7	18.4	46	37	80.4	9	19.6
Civil, environmental, transportation and related engineering fields	11,360	7,445	65.5	3,915	34.5	7,899	5,138	65.0	2,761	35.0	1,166	802	68.8	364	31.2	583	439	75.3	144	24.7
Civil engineering	8,685	5,891	67.8	2,794	32.2	6,740	4,535	67.3	2,205	32.7	1,063	737	69.3	326	30.7	497	372	74.8	125	25.2
Architectural, environmental, construction and surveying engineering	2,675	1,554	58.1	1,121	41.9	1,159	603	52.0	556	48.0	103	65	63.1	38	36.9	86	67	77.9	19	22.1
Electrical, electronics, communications and computer engineering	30,841	23,508	76.2	7,333	23.8	17,774	13,944	78.5	3,830	21.5	1,381	1,110	80.4	271	19.6	698	572	81.9	126	18.1
Electrical, electronics, and communications engineering	18,216	14,461	79.4	3,755	20.6	14,705	11,539	78.5	3,166	21.5	1,288	1,039	80.7	249	19.3	630	517	82.1	113	17.9
Computer engineering	12,625	9,047	71.7	3,578	28.3	3,069	2,405	78.4	664	21.6	93	71	76.3	22	23.7	68	55	80.9	13	19.1
Industrial, manufacturing, systems engineering and operations research	11,704	8,245	70.4	3,459	29.6	4,046	2,726	67.4	1,320	32.6	162	119	73.5	43	26.5	164	121	73.8	43	26.2
Industrial and manufacturing engineering	5,044	3,704	73.4	1,340	26.6	2,378	1,569	66.0	809	34.0	98	78	79.6	20	20.4	84	66	78.6	18	21.4
Systems engineering and operations research	6,660	4,541	68.2	2,119	31.8	1,668	1,157	69.4	511	30.6	64	41	64.1	23	35.9	80	55	68.8	25	31.3
Mechanical engineering	15,136	12,561	83.0	2,575	17.0	11,858	9,251	78.0	2,607	22.0	1,459	1,165	79.8	294	20.2	566	469	82.9	97	17.1
Metallurgical, mining, materials and related engineering fields	2,503	1,719	68.7	784	31.3	4,858	3,270	67.3	1,588	32.7	588	444	75.5	144	24.5	260	202	77.7	58	22.3
Other engineering	14,325	10,196	71.2	4,129	28.8	8,709	6,119	70.3	2,590	29.7	1,306	935	71.6	371	28.4	955	684	71.6	271	28.4
Agricultural engineering	387	219	56.6	168	43.4	675	439	65.0	236	35.0	162	109	67.3	53	32.7	51	34	66.7	17	33.3
Engineering mechanics, physics, and science	663	483	72.9	180	27.1	1,674	1,174	70.1	500	29.9	279	213	76.3	66	23.7	185	143	77.3	42	22.7
Nuclear engineering	566	463	81.8	103	18.2	1,141	858	75.2	283	24.8	112	91	81.3	21	18.8	32	23	71.9	9	28.1
Engineering, other	12,709	9,031	71.1	3,678	28.9	5,219	3,648	69.9	1,571	30.1	753	522	69.3	231	30.7	687	484	70.5	203	29.5
Health	58,890	12,373	21.0	46,517	79.0	18,809	5,766	30.7	13,043	69.3	20,630	9,941	48.2	10,689	51.8	10,140	4,570	45.1	5,570	54.9
Clinical medicine	26,645	6,294	23.6	20,351	76.4	6,399	1,775	27.7	4,624	72.3	17,919	8,721	48.7	9,198	51.3	8,618	3,927	45.6	4,691	54.4
Medical clinical sciences and clinical and medical laboratory sciences	1,307	486	37.2	821	62.8	730	259	35.5	471	64.5	650	316	48.6	334	51.4	383	150	39.2	233	60.8
Public health	25,338	5,808	22.9	19,530	77.1	5,669	1,516	26.7	4,153	73.3	887	299	33.7	588	66.3	799	271	33.9	528	66.1
Anesthesiology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	453	228	50.3	225	49.7	181	97	53.6	84	46.4
Cardiology and cardiovascular disease	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	667	360	54.0	307	46.0	230	122	53.0	108	47.0

Table 2-4. Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2024

(Number and percent)

Detailed field	Master's students					Doctoral students					Postdoctoral appointees					Doctorate-holding nonfaculty researchers				
	Total	Male		Female		Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
Endocrinology, diabetes, and metabolism	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	325	157	48.3	168	51.7	123	49	39.8	74	60.2
Gastroenterology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	240	118	49.2	122	50.8	76	39	51.3	37	48.7
Hematology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	359	177	49.3	182	50.7	174	77	44.3	97	55.7
Neurology and neurosurgery	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,890	957	50.6	933	49.4	730	344	47.1	386	52.9
Obstetrics and gynecology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	303	111	36.6	192	63.4	137	36	26.3	101	73.7
Oncology and cancer research	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,595	793	49.7	802	50.3	642	255	39.7	387	60.3
Ophthalmology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	618	301	48.7	317	51.3	349	184	52.7	165	47.3
Otorhinolaryngology	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	291	153	52.6	138	47.4	180	81	45.0	99	55.0
Pediatrics	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,306	535	41.0	771	59.0	769	327	42.5	442	57.5
Psychiatry	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,164	424	36.4	740	63.6	424	177	41.7	247	58.3
Pulmonary disease	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	278	144	51.8	134	48.2	107	44	41.1	63	58.9
Radiological sciences	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,465	867	59.2	598	40.8	555	347	62.5	208	37.5
Surgery	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	1,409	784	55.6	625	44.4	697	386	55.4	311	44.6
Clinical medicine nec	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	4,019	1,997	49.7	2,022	50.3	2,062	941	45.6	1,121	54.4
Other health	32,245	6,079	18.9	26,166	81.1	12,410	3,991	32.2	8,419	67.8	2,711	1,220	45.0	1,491	55.0	1,522	643	42.2	879	57.8
Communication disorders sciences	16,986	672	4.0	16,314	96.0	730	147	20.1	583	79.9	105	34	32.4	71	67.6	103	23	22.3	80	77.7
Dental sciences	1,420	642	45.2	778	54.8	800	304	38.0	496	62.0	308	160	51.9	148	48.1	159	81	50.9	78	49.1
Kinesiology and exercise science	4,027	1,985	49.3	2,042	50.7	963	468	48.6	495	51.4	83	36	43.4	47	56.6	63	30	47.6	33	52.4
Nursing science	1,550	203	13.1	1,347	86.9	3,386	547	16.2	2,839	83.8	173	34	19.7	139	80.3	180	33	18.3	147	81.7
Pharmaceutical sciences	2,355	814	34.6	1,541	65.4	3,100	1,347	43.5	1,753	56.5	1,528	733	48.0	795	52.0	523	291	55.6	232	44.4
Other health nec	5,907	1,763	29.8	4,144	70.2	3,431	1,178	34.3	2,253	65.7	514	223	43.4	291	56.6	494	185	37.4	309	62.6

ne = not eligible.

nec = not elsewhere classified.

Note(s):

For postdoctoral appointees and doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS 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.

Table 2-5. Demographic characteristics of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 2024

(Number and percent)

Sex, citizenship, ethnicity, and race	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All individuals	818,078	100.0	505,930	100.0	312,148	100.0	69,877	100.0	35,142	100.0
Male	422,367	51.6	256,667	50.7	165,700	53.1	39,230	56.1	19,523	55.6
Female	395,711	48.4	249,263	49.3	146,448	46.9	30,647	43.9	15,619	44.4
U.S. citizens and permanent residents ^a	503,509	61.5	322,215	63.7	181,294	58.1	29,131	41.7	na	na
Hispanic or Latino	74,906	9.2	51,842	10.2	23,064	7.4	2,599	3.7	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,943	0.2	1,203	0.2	740	0.2	123	0.2	na	na
Asian	67,831	8.3	45,323	9.0	22,508	7.2	5,793	8.3	na	na
Black or African American	47,689	5.8	33,238	6.6	14,451	4.6	1,389	2.0	na	na
Native Hawaiian or Other Pacific Islander	724	0.1	519	0.1	205	0.1	38	0.1	na	na
White	263,323	32.2	160,142	31.7	103,181	33.1	14,662	21.0	na	na
More than one race	20,903	2.6	12,788	2.5	8,115	2.6	847	1.2	na	na
Unknown ethnicity and race	26,190	3.2	17,160	3.4	9,030	2.9	3,680	5.3	na	na
Temporary visa holders	314,569	38.5	183,715	36.3	130,854	41.9	40,746	58.3	na	na
Female										
U.S. citizens and permanent residents ^a	230,893	28.2	145,356	28.7	85,537	27.4	14,790	21.2	na	na
Hispanic or Latino	31,596	3.9	21,057	4.2	10,539	3.4	1,247	1.8	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	768	0.1	478	0.1	290	0.1	63	0.1	na	na
Asian	35,035	4.3	23,966	4.7	11,069	3.5	3,168	4.5	na	na
Black or African American	17,462	2.1	12,096	2.4	5,366	1.7	591	0.8	na	na
Native Hawaiian or Other Pacific Islander	314	*	222	*	92	*	18	*	na	na
White	123,480	15.1	73,369	14.5	50,111	16.1	7,441	10.6	na	na
More than one race	9,350	1.1	5,773	1.1	3,577	1.1	403	0.6	na	na
Unknown ethnicity and race	12,888	1.6	8,395	1.7	4,493	1.4	1,859	2.7	na	na
Temporary visa holders	191,474	23.4	111,311	22.0	80,163	25.7	24,440	35.0	na	na
Male										
U.S. citizens and permanent residents ^a	272,616	33.3	176,859	35.0	95,757	30.7	14,341	20.5	na	na
Hispanic or Latino	43,310	5.3	30,785	6.1	12,525	4.0	1,352	1.9	na	na
Not Hispanic or Latino										
American Indian or Alaska Native	1,175	0.1	725	0.1	450	0.1	60	0.1	na	na
Asian	32,796	4.0	21,357	4.2	11,439	3.7	2,625	3.8	na	na
Black or African American	30,227	3.7	21,142	4.2	9,085	2.9	798	1.1	na	na
Native Hawaiian or Other Pacific Islander	410	0.1	297	0.1	113	*	20	*	na	na
White	139,843	17.1	86,773	17.2	53,070	17.0	7,221	10.3	na	na
More than one race	11,553	1.4	7,015	1.4	4,538	1.5	444	0.6	na	na

Table 2-5. Demographic characteristics of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 2024

(Number and percent)

Sex, citizenship, ethnicity, and race	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Unknown ethnicity and race	13,302	1.6	8,765	1.7	4,537	1.5	1,821	2.6	na	na
Temporary visa holders	123,095	15.0	72,404	14.3	50,691	16.2	16,306	23.3	na	na

* = value < 0.05%. na = not applicable; citizenship and race and ethnicity data are not collected for doctorate-holding nonfaculty researchers.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.

Note(s):

Percentages may not add to total because of rounding. 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.

Table 2-6. Citizenship, ethnicity, and race of graduate students and postdoctoral appointees in science, by sex: 2024

(Number and percent)

Citizenship, ethnicity, race, and field	Master's students					Doctoral students					Postdoctoral appointees				
	Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
All surveyed fields	505,930	256,667	50.7	249,263	49.3	312,148	165,700	53.1	146,448	46.9	69,877	39,230	56.1	30,647	43.9
U.S. citizens and permanent residents ^a	322,215	145,356	45.1	176,859	54.9	181,294	85,537	47.2	95,757	52.8	29,131	14,790	50.8	14,341	49.2
Hispanic or Latino	51,842	21,057	40.6	30,785	59.4	23,064	10,539	45.7	12,525	54.3	2,599	1,247	48.0	1,352	52.0
Not Hispanic or Latino															
American Indian or Alaska Native	1,203	478	39.7	725	60.3	740	290	39.2	450	60.8	123	63	51.2	60	48.8
Asian	45,323	23,966	52.9	21,357	47.1	22,508	11,069	49.2	11,439	50.8	5,793	3,168	54.7	2,625	45.3
Black or African American	33,238	12,096	36.4	21,142	63.6	14,451	5,366	37.1	9,085	62.9	1,389	591	42.5	798	57.5
Native Hawaiian or Other Pacific Islander	519	222	42.8	297	57.2	205	92	44.9	113	55.1	38	18	47.4	20	52.6
White	160,142	73,369	45.8	86,773	54.2	103,181	50,111	48.6	53,070	51.4	14,662	7,441	50.8	7,221	49.2
More than one race	12,788	5,773	45.1	7,015	54.9	8,115	3,577	44.1	4,538	55.9	847	403	47.6	444	52.4
Unknown ethnicity and race	17,160	8,395	48.9	8,765	51.1	9,030	4,493	49.8	4,537	50.2	3,680	1,859	50.5	1,821	49.5
Temporary visa holders	183,715	111,311	60.6	72,404	39.4	130,854	80,163	61.3	50,691	38.7	40,746	24,440	60.0	16,306	40.0
Science	347,469	171,601	49.4	175,868	50.6	216,898	106,740	49.2	110,158	50.8	39,702	22,415	56.5	17,287	43.5
U.S. citizens and permanent residents ^a	215,364	95,023	44.1	120,341	55.9	134,861	60,312	44.7	74,549	55.3	16,942	8,811	52.0	8,131	48.0
Hispanic or Latino	34,942	13,486	38.6	21,456	61.4	17,754	7,679	43.3	10,075	56.7	1,530	744	48.6	786	51.4
Not Hispanic or Latino															
American Indian or Alaska Native	800	314	39.3	486	60.8	575	220	38.3	355	61.7	73	39	53.4	34	46.6
Asian	30,698	16,295	53.1	14,403	46.9	15,655	7,249	46.3	8,406	53.7	2,956	1,633	55.2	1,323	44.8
Black or African American	23,412	8,571	36.6	14,841	63.4	10,298	3,743	36.3	6,555	63.7	660	300	45.5	360	54.5
Native Hawaiian or Other Pacific Islander	376	157	41.8	219	58.2	151	64	42.4	87	57.6	22	13	59.1	9	40.9
White	105,048	46,732	44.5	58,316	55.5	77,765	35,782	46.0	41,983	54.0	9,178	4,751	51.8	4,427	48.2
More than one race	8,504	3,730	43.9	4,774	56.1	6,086	2,476	40.7	3,610	59.3	564	288	51.1	276	48.9
Unknown ethnicity and race	11,584	5,738	49.5	5,846	50.5	6,577	3,099	47.1	3,478	52.9	1,959	1,043	53.2	916	46.8
Temporary visa holders	132,105	76,578	58.0	55,527	42.0	82,037	46,428	56.6	35,609	43.4	22,760	13,604	59.8	9,156	40.2
Engineering	99,571	72,693	73.0	26,878	27.0	76,441	53,194	69.6	23,247	30.4	9,545	6,874	72.0	2,671	28.0
U.S. citizens and permanent residents ^a	54,367	40,098	73.8	14,269	26.2	32,364	21,330	65.9	11,034	34.1	3,050	2,062	67.6	988	32.4
Hispanic or Latino	7,982	5,886	73.7	2,096	26.3	3,534	2,313	65.4	1,221	34.6	223	138	61.9	85	38.1
Not Hispanic or Latino															
American Indian or Alaska Native	150	108	72.0	42	28.0	84	54	64.3	30	35.7	32	16	50.0	16	50.0
Asian	9,118	6,381	70.0	2,737	30.0	5,356	3,350	62.5	2,006	37.5	874	625	71.5	249	28.5
Black or African American	3,082	2,103	68.2	979	31.8	1,832	1,071	58.5	761	41.5	101	57	56.4	44	43.6
Native Hawaiian or Other Pacific Islander	68	44	64.7	24	35.3	36	21	58.3	15	41.7	0	0	-	0	-
White	28,882	21,863	75.7	7,019	24.3	18,263	12,403	67.9	5,860	32.1	1,379	936	67.9	443	32.1
More than one race	2,296	1,628	70.9	668	29.1	1,542	974	63.2	568	36.8	83	45	54.2	38	45.8
Unknown ethnicity and race	2,789	2,085	74.8	704	25.2	1,717	1,144	66.6	573	33.4	358	245	68.4	113	31.6
Temporary visa holders	45,204	32,595	72.1	12,609	27.9	44,077	31,864	72.3	12,213	27.7	6,495	4,812	74.1	1,683	25.9

Table 2-6. Citizenship, ethnicity, and race of graduate students and postdoctoral appointees in science, by sex: 2024

(Number and percent)

Citizenship, ethnicity, race, and field	Master's students					Doctoral students					Postdoctoral appointees				
	Total	Male		Female		Total	Male		Female		Total	Male		Female	
		Number	Percent	Number	Percent		Number	Percent	Number	Percent		Number	Percent	Number	Percent
Health	58,890	12,373	21.0	46,517	79.0	18,809	5,766	30.7	13,043	69.3	20,630	9,941	48.2	10,689	51.8
U.S. citizens and permanent residents ^a	52,484	10,235	19.5	42,249	80.5	14,069	3,895	27.7	10,174	72.3	9,139	3,917	42.9	5,222	57.1
Hispanic or Latino	8,918	1,685	18.9	7,233	81.1	1,776	547	30.8	1,229	69.2	846	365	43.1	481	56.9
Not Hispanic or Latino															
American Indian or Alaska Native	253	56	22.1	197	77.9	81	16	19.8	65	80.2	18	8	44.4	10	55.6
Asian	5,507	1,290	23.4	4,217	76.6	1,497	470	31.4	1,027	68.6	1,963	910	46.4	1,053	53.6
Black or African American	6,744	1,422	21.1	5,322	78.9	2,321	552	23.8	1,769	76.2	628	234	37.3	394	62.7
Native Hawaiian or Other Pacific Islander	75	21	28.0	54	72.0	18	7	38.9	11	61.1	16	5	31.3	11	68.8
White	26,212	4,774	18.2	21,438	81.8	7,153	1,926	26.9	5,227	73.1	4,105	1,754	42.7	2,351	57.3
More than one race	1,988	415	20.9	1,573	79.1	487	127	26.1	360	73.9	200	70	35.0	130	65.0
Unknown ethnicity and race	2,787	572	20.5	2,215	79.5	736	250	34.0	486	66.0	1,363	571	41.9	792	58.1
Temporary visa holders	6,406	2,138	33.4	4,268	66.6	4,740	1,871	39.5	2,869	60.5	11,491	6,024	52.4	5,467	47.6

- = not calculable.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.**Note(s):**For postdoctoral appointees "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). For more information on the mapping of GSS fields and codes, see [table A-6](#).**Source(s):**

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

Table 2-7. Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All detailed fields	818,078	100.0	596,638	100.0	193,600	100.0	221,440	100.0	505,930	100.0	322,037	100.0	142,279	100.0	183,893	100.0	312,148	100.0	274,601	100.0	51,321	100.0	37,547	100.0
Science	564,367	69.0	411,924	69.0	131,080	67.7	152,443	68.8	347,469	68.7	217,779	67.6	94,696	66.6	129,690	70.5	216,898	69.5	194,145	70.7	36,384	70.9	22,753	60.6
Agricultural and veterinary sciences	12,017	1.5	8,784	1.5	2,245	1.2	3,233	1.5	6,973	1.4	4,425	1.4	1,541	1.1	2,548	1.4	5,044	1.6	4,359	1.6	704	1.4	685	1.8
Agricultural sciences	10,838	1.3	7,982	1.3	2,066	1.1	2,856	1.3	6,316	1.2	4,082	1.3	1,436	1.0	2,234	1.2	4,522	1.4	3,900	1.4	630	1.2	622	1.7
Veterinary biomedical and clinical sciences	1,179	0.1	802	0.1	179	0.1	377	0.2	657	0.1	343	0.1	105	0.1	314	0.2	522	0.2	459	0.2	74	0.1	63	0.2
Biological and biomedical sciences	109,018	13.3	89,780	15.0	26,492	13.7	19,238	8.7	46,661	9.2	31,105	9.7	15,967	11.2	15,556	8.5	62,357	20.0	58,675	21.4	10,525	20.5	3,682	9.8
Biochemistry	5,883	0.7	5,343	0.9	1,123	0.6	540	0.2	862	0.2	588	0.2	356	0.3	274	0.1	5,021	1.6	4,755	1.7	767	1.5	266	0.7
Biology	15,713	1.9	11,756	2.0	3,465	1.8	3,957	1.8	7,937	1.6	4,584	1.4	2,114	1.5	3,353	1.8	7,776	2.5	7,172	2.6	1,351	2.6	604	1.6
Biomedical sciences	12,156	1.5	9,857	1.7	4,166	2.2	2,299	1.0	6,471	1.3	4,498	1.4	2,773	1.9	1,973	1.1	5,685	1.8	5,359	2.0	1,393	2.7	326	0.9
Biophysics	967	0.1	956	0.2	163	0.1	11	*	9	*	8	*	2	*	1	*	958	0.3	948	0.3	161	0.3	10	*
Biostatistics and bioinformatics	9,064	1.1	7,484	1.3	2,549	1.3	1,580	0.7	4,881	1.0	3,600	1.1	1,867	1.3	1,281	0.7	4,183	1.3	3,884	1.4	682	1.3	299	0.8
Biotechnology	4,762	0.6	2,792	0.5	1,179	0.6	1,970	0.9	4,591	0.9	2,647	0.8	1,153	0.8	1,944	1.1	171	0.1	145	0.1	26	0.1	26	0.1
Botany and plant biology	1,723	0.2	1,581	0.3	301	0.2	142	0.1	411	0.1	345	0.1	121	0.1	66	*	1,312	0.4	1,236	0.5	180	0.4	76	0.2
Cell, cellular biology, and anatomical sciences	6,664	0.8	6,302	1.1	1,402	0.7	362	0.2	1,073	0.2	839	0.3	508	0.4	234	0.1	5,591	1.8	5,463	2.0	894	1.7	128	0.3
Ecology and population biology	3,852	0.5	3,216	0.5	666	0.3	636	0.3	1,085	0.2	769	0.2	289	0.2	316	0.2	2,767	0.9	2,447	0.9	377	0.7	320	0.9
Epidemiology	6,210	0.8	4,922	0.8	1,898	1.0	1,288	0.6	3,914	0.8	2,964	0.9	1,509	1.1	950	0.5	2,296	0.7	1,958	0.7	389	0.8	338	0.9
Genetics	3,250	0.4	2,997	0.5	612	0.3	253	0.1	712	0.1	548	0.2	270	0.2	164	0.1	2,538	0.8	2,449	0.9	342	0.7	89	0.2
Microbiological sciences and immunology	6,640	0.8	5,539	0.9	1,084	0.6	1,101	0.5	1,930	0.4	998	0.3	489	0.3	932	0.5	4,710	1.5	4,541	1.7	595	1.2	169	0.5
Molecular biology	1,694	0.2	1,539	0.3	359	0.2	155	0.1	412	0.1	319	0.1	171	0.1	93	0.1	1,282	0.4	1,220	0.4	188	0.4	62	0.2
Neurobiology and neuroscience	6,839	0.8	6,551	1.1	1,198	0.6	288	0.1	606	0.1	475	0.1	281	0.2	131	0.1	6,233	2.0	6,076	2.2	917	1.8	157	0.4
Nutrition science	4,115	0.5	3,038	0.5	1,147	0.6	1,077	0.5	2,999	0.6	2,078	0.6	982	0.7	921	0.5	1,116	0.4	960	0.3	165	0.3	156	0.4
Pathology and experimental pathology	1,202	0.1	1,124	0.2	211	0.1	78	*	153	*	113	*	65	*	40	*	1,049	0.3	1,011	0.4	146	0.3	38	0.1
Pharmacology and toxicology	3,361	0.4	2,920	0.5	673	0.3	441	0.2	916	0.2	571	0.2	276	0.2	345	0.2	2,445	0.8	2,349	0.9	397	0.8	96	0.3
Physiology	6,684	0.8	5,519	0.9	1,798	0.9	1,165	0.5	3,398	0.7	2,428	0.8	1,282	0.9	970	0.5	3,286	1.1	3,091	1.1	516	1.0	195	0.5
Zoology and animal biology	2,150	0.3	1,702	0.3	418	0.2	448	0.2	941	0.2	611	0.2	226	0.2	330	0.2	1,209	0.4	1,091	0.4	192	0.4	118	0.3
Biological and biomedical sciences nec	6,089	0.7	4,642	0.8	2,080	1.1	1,447	0.7	3,360	0.7	2,122	0.7	1,233	0.9	1,238	0.7	2,729	0.9	2,520	0.9	847	1.7	209	0.6
Computer and information sciences	161,368	19.7	103,833	17.4	35,240	18.2	57,535	26.0	137,358	27.1	83,229	25.8	31,256	22.0	54,129	29.4	24,010	7.7	20,604	7.5	3,984	7.8	3,406	9.1
Artificial intelligence, informatics, and computer and information science topics	10,337	1.3	6,249	1.0	2,538	1.3	4,088	1.8	9,130	1.8	5,179	1.6	2,272	1.6	3,951	2.1	1,207	0.4	1,070	0.4	266	0.5	137	0.4

Table 2-7. Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Computer and information sciences	48,547	5.9	27,530	4.6	8,792	4.5	21,017	9.5	40,902	8.1	21,039	6.5	7,600	5.3	19,863	10.8	7,645	2.4	6,491	2.4	1,192	2.3	1,154	3.1
Computer and information systems security	11,976	1.5	5,444	0.9	2,177	1.1	6,532	2.9	11,295	2.2	5,027	1.6	2,058	1.4	6,268	3.4	681	0.2	417	0.2	119	0.2	264	0.7
Computer science	53,245	6.5	41,076	6.9	13,257	6.8	12,169	5.5	41,018	8.1	30,191	9.4	11,153	7.8	10,827	5.9	12,227	3.9	10,885	4.0	2,104	4.1	1,342	3.6
Information science and studies	17,709	2.2	10,402	1.7	3,700	1.9	7,307	3.3	16,134	3.2	9,198	2.9	3,506	2.5	6,936	3.8	1,575	0.5	1,204	0.4	194	0.4	371	1.0
Information technology	12,065	1.5	7,938	1.3	2,880	1.5	4,127	1.9	11,479	2.3	7,459	2.3	2,780	2.0	4,020	2.2	586	0.2	479	0.2	100	0.2	107	0.3
Computer and information sciences nec	7,489	0.9	5,194	0.9	1,896	1.0	2,295	1.0	7,400	1.5	5,136	1.6	1,887	1.3	2,264	1.2	89	*	58	*	9	*	31	0.1
Geosciences, atmospheric, and ocean sciences	11,766	1.4	9,735	1.6	2,551	1.3	2,031	0.9	4,909	1.0	3,469	1.1	1,443	1.0	1,440	0.8	6,857	2.2	6,266	2.3	1,108	2.2	591	1.6
Atmospheric sciences and meteorology	1,501	0.2	1,337	0.2	302	0.2	164	0.1	480	0.1	394	0.1	156	0.1	86	*	1,021	0.3	943	0.3	146	0.3	78	0.2
Geological and earth sciences	7,301	0.9	6,044	1.0	1,622	0.8	1,257	0.6	3,021	0.6	2,124	0.7	896	0.6	897	0.5	4,280	1.4	3,920	1.4	726	1.4	360	1.0
Ocean and marine sciences	2,964	0.4	2,354	0.4	627	0.3	610	0.3	1,408	0.3	951	0.3	391	0.3	457	0.2	1,556	0.5	1,403	0.5	236	0.5	153	0.4
Geosciences, atmospheric, and ocean sciences nec	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne	ne
Mathematics and statistics	33,979	4.2	26,987	4.5	9,579	4.9	6,992	3.2	19,948	3.9	14,052	4.4	6,906	4.9	5,896	3.2	14,031	4.5	12,935	4.7	2,673	5.2	1,096	2.9
Applied mathematics	11,340	1.4	9,157	1.5	4,171	2.2	2,183	1.0	9,172	1.8	7,159	2.2	3,761	2.6	2,013	1.1	2,168	0.7	1,998	0.7	410	0.8	170	0.5
Mathematics	12,041	1.5	9,699	1.6	2,503	1.3	2,342	1.1	3,738	0.7	2,014	0.6	891	0.6	1,724	0.9	8,303	2.7	7,685	2.8	1,612	3.1	618	1.6
Statistics	10,598	1.3	8,131	1.4	2,905	1.5	2,467	1.1	7,038	1.4	4,879	1.5	2,254	1.6	2,159	1.2	3,560	1.1	3,252	1.2	651	1.3	308	0.8
Multidisciplinary and interdisciplinary sciences	31,641	3.9	20,864	3.5	9,259	4.8	10,777	4.9	26,426	5.2	16,502	5.1	8,279	5.8	9,924	5.4	5,215	1.7	4,362	1.6	980	1.9	853	2.3
Biological and physical sciences	1,847	0.2	1,582	0.3	624	0.3	265	0.1	810	0.2	625	0.2	368	0.3	185	0.1	1,037	0.3	957	0.3	256	0.5	80	0.2
Computational science	3,267	0.4	2,053	0.3	924	0.5	1,214	0.5	2,880	0.6	1,730	0.5	847	0.6	1,150	0.6	387	0.1	323	0.1	77	0.2	64	0.2
Data science and data analytics	14,514	1.8	8,521	1.4	4,298	2.2	5,993	2.7	14,140	2.8	8,204	2.5	4,213	3.0	5,936	3.2	374	0.1	317	0.1	85	0.2	57	0.2
International and global studies	1,045	0.1	803	0.1	380	0.2	242	0.1	903	0.2	688	0.2	357	0.3	215	0.1	142	*	115	*	23	*	27	0.1
Multidisciplinary and interdisciplinary sciences nec	10,968	1.3	7,905	1.3	3,033	1.6	3,063	1.4	7,693	1.5	5,255	1.6	2,494	1.8	2,438	1.3	3,275	1.0	2,650	1.0	539	1.1	625	1.7
Natural resources and conservation	13,332	1.6	9,019	1.5	2,916	1.5	4,313	1.9	9,150	1.8	5,558	1.7	2,323	1.6	3,592	2.0	4,182	1.3	3,461	1.3	593	1.2	721	1.9
Environmental science and studies	6,291	0.8	4,429	0.7	1,576	0.8	1,862	0.8	4,240	0.8	2,686	0.8	1,264	0.9	1,554	0.8	2,051	0.7	1,743	0.6	312	0.6	308	0.8
Forestry, natural resources, and conservation	7,041	0.9	4,590	0.8	1,340	0.7	2,451	1.1	4,910	1.0	2,872	0.9	1,059	0.7	2,038	1.1	2,131	0.7	1,718	0.6	281	0.5	413	1.1
Physical sciences	45,337	5.5	40,715	6.8	8,977	4.6	4,622	2.1	6,008	1.2	3,644	1.1	1,718	1.2	2,364	1.3	39,329	12.6	37,071	13.5	7,259	14.1	2,258	6.0
Astronomy and astrophysics	1,750	0.2	1,628	0.3	330	0.2	122	0.1	112	*	56	*	32	*	56	*	1,638	0.5	1,572	0.6	298	0.6	66	0.2
Chemistry	23,476	2.9	21,336	3.6	4,818	2.5	2,140	1.0	2,764	0.5	1,725	0.5	770	0.5	1,039	0.6	20,712	6.6	19,611	7.1	4,048	7.9	1,101	2.9
Materials sciences	1,643	0.2	1,480	0.2	424	0.2	163	0.1	435	0.1	346	0.1	205	0.1	89	*	1,208	0.4	1,134	0.4	219	0.4	74	0.2

Table 2-7. Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Physics	17,515	2.1	15,649	2.6	3,242	1.7	1,866	0.8	2,289	0.5	1,306	0.4	645	0.5	983	0.5	15,226	4.9	14,343	5.2	2,597	5.1	883	2.4
Physical sciences nec	953	0.1	622	0.1	163	0.1	331	0.1	408	0.1	211	0.1	66	*	197	0.1	545	0.2	411	0.1	97	0.2	134	0.4
Psychology	72,924	8.9	48,011	8.0	15,511	8.0	24,913	11.3	49,516	9.8	29,458	9.1	11,806	8.3	20,058	10.9	23,408	7.5	18,553	6.8	3,705	7.2	4,855	12.9
Applied psychology	24,915	3.0	13,962	2.3	5,101	2.6	10,953	4.9	20,306	4.0	10,760	3.3	4,426	3.1	9,546	5.2	4,609	1.5	3,202	1.2	675	1.3	1,407	3.7
Clinical psychology	7,814	1.0	5,296	0.9	1,359	0.7	2,518	1.1	4,477	0.9	2,556	0.8	782	0.5	1,921	1.0	3,337	1.1	2,740	1.0	577	1.1	597	1.6
Counseling psychology	16,074	2.0	10,303	1.7	3,452	1.8	5,771	2.6	13,289	2.6	8,618	2.7	3,113	2.2	4,671	2.5	2,785	0.9	1,685	0.6	339	0.7	1,100	2.9
Human development	2,000	0.2	1,355	0.2	499	0.3	645	0.3	1,295	0.3	795	0.2	388	0.3	500	0.3	705	0.2	560	0.2	111	0.2	145	0.4
Psychology, general	13,774	1.7	9,750	1.6	3,078	1.6	4,024	1.8	7,369	1.5	4,563	1.4	2,087	1.5	2,806	1.5	6,405	2.1	5,187	1.9	991	1.9	1,218	3.2
Research and experimental psychology	8,347	1.0	7,345	1.2	2,022	1.0	1,002	0.5	2,780	0.5	2,166	0.7	1,010	0.7	614	0.3	5,567	1.8	5,179	1.9	1,012	2.0	388	1.0
Social sciences	72,985	8.9	54,196	9.1	18,310	9.5	18,789	8.5	40,520	8.0	26,337	8.2	13,457	9.5	14,183	7.7	32,465	10.4	27,859	10.1	4,853	9.5	4,606	12.3
Agricultural and natural resource economics	708	0.1	574	0.1	192	0.1	134	0.1	451	0.1	337	0.1	149	0.1	114	0.1	257	0.1	237	0.1	43	0.1	20	0.1
Anthropology	5,763	0.7	4,626	0.8	1,151	0.6	1,137	0.5	2,023	0.4	1,330	0.4	661	0.5	693	0.4	3,740	1.2	3,296	1.2	490	1.0	444	1.2
Area, ethnic, cultural, gender, and group studies	4,793	0.6	3,683	0.6	1,189	0.6	1,110	0.5	2,421	0.5	1,760	0.5	867	0.6	661	0.4	2,372	0.8	1,923	0.7	322	0.6	449	1.2
Criminal justice and safety studies	6,432	0.8	3,168	0.5	1,280	0.7	3,264	1.5	4,924	1.0	2,279	0.7	1,084	0.8	2,645	1.4	1,508	0.5	889	0.3	196	0.4	619	1.6
Criminology	1,457	0.2	842	0.1	341	0.2	615	0.3	1,113	0.2	569	0.2	280	0.2	544	0.3	344	0.1	273	0.1	61	0.1	71	0.2
Economics (except agricultural and natural resource)	14,500	1.8	12,699	2.1	4,209	2.2	1,801	0.8	6,350	1.3	5,016	1.6	2,805	2.0	1,334	0.7	8,150	2.6	7,683	2.8	1,404	2.7	467	1.2
Geography and cartography	3,478	0.4	2,145	0.4	658	0.3	1,333	0.6	2,309	0.5	1,130	0.4	504	0.4	1,179	0.6	1,169	0.4	1,015	0.4	154	0.3	154	0.4
International relations and national security studies	7,316	0.9	4,818	0.8	2,279	1.2	2,498	1.1	6,996	1.4	4,574	1.4	2,236	1.6	2,422	1.3	320	0.1	244	0.1	43	0.1	76	0.2
Linguistics	2,552	0.3	2,008	0.3	494	0.3	544	0.2	952	0.2	562	0.2	230	0.2	390	0.2	1,600	0.5	1,446	0.5	264	0.5	154	0.4
Political science and government	7,437	0.9	5,913	1.0	1,525	0.8	1,524	0.7	2,506	0.5	1,430	0.4	720	0.5	1,076	0.6	4,931	1.6	4,483	1.6	805	1.6	448	1.2
Public policy analysis	7,154	0.9	4,669	0.8	1,870	1.0	2,485	1.1	4,491	0.9	2,996	0.9	1,555	1.1	1,495	0.8	2,663	0.9	1,673	0.6	315	0.6	990	2.6
Sociology and population studies	6,311	0.8	5,087	0.9	1,288	0.7	1,224	0.6	1,965	0.4	1,287	0.4	681	0.5	678	0.4	4,346	1.4	3,800	1.4	607	1.2	546	1.5
Urban studies and affairs	813	0.1	433	0.1	139	0.1	380	0.2	529	0.1	242	0.1	110	0.1	287	0.2	284	0.1	191	0.1	29	0.1	93	0.2
Social sciences, other	4,271	0.5	3,531	0.6	1,695	0.9	740	0.3	3,490	0.7	2,825	0.9	1,575	1.1	665	0.4	781	0.3	706	0.3	120	0.2	75	0.2
Engineering	176,012	21.5	131,600	22.1	41,827	21.6	44,412	20.1	99,571	19.7	63,860	19.8	29,654	20.8	35,711	19.4	76,441	24.5	67,740	24.7	12,173	23.7	8,701	23.2
Aerospace, aeronautical, and astronautical engineering	8,595	1.1	5,661	0.9	1,830	0.9	2,934	1.3	5,563	1.1	2,993	0.9	1,383	1.0	2,570	1.4	3,032	1.0	2,668	1.0	447	0.9	364	1.0
Biological, biomedical, and biosystems engineering	15,805	1.9	13,942	2.3	4,331	2.2	1,863	0.8	5,475	1.1	4,293	1.3	2,496	1.8	1,182	0.6	10,330	3.3	9,649	3.5	1,835	3.6	681	1.8
Chemical, petroleum, and chemical-related engineering	10,599	1.3	9,403	1.6	2,337	1.2	1,196	0.5	2,664	0.5	1,838	0.6	873	0.6	826	0.4	7,935	2.5	7,565	2.8	1,464	2.9	370	1.0

Table 2-7. Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Chemical engineering	9,735	1.2	8,720	1.5	2,177	1.1	1,015	0.5	2,258	0.4	1,562	0.5	786	0.6	696	0.4	7,477	2.4	7,158	2.6	1,391	2.7	319	0.8
Petroleum engineering	864	0.1	683	0.1	160	0.1	181	0.1	406	0.1	276	0.1	87	0.1	130	0.1	458	0.1	407	0.1	73	0.1	51	0.1
Civil, environmental, transportation and related engineering fields	19,259	2.4	14,307	2.4	4,639	2.4	4,952	2.2	11,360	2.2	7,336	2.3	3,418	2.4	4,024	2.2	7,899	2.5	6,971	2.5	1,221	2.4	928	2.5
Civil engineering	15,425	1.9	11,698	2.0	3,805	2.0	3,727	1.7	8,685	1.7	5,752	1.8	2,766	1.9	2,933	1.6	6,740	2.2	5,946	2.2	1,039	2.0	794	2.1
Architectural, environmental, construction and surveying engineering	3,834	0.5	2,609	0.4	834	0.4	1,225	0.6	2,675	0.5	1,584	0.5	652	0.5	1,091	0.6	1,159	0.4	1,025	0.4	182	0.4	134	0.4
Electrical, electronics, communications and computer engineering	48,615	5.9	37,243	6.2	12,486	6.4	11,372	5.1	30,841	6.1	21,690	6.7	9,752	6.9	9,151	5.0	17,774	5.7	15,553	5.7	2,734	5.3	2,221	5.9
Electrical, electronics, and communications engineering	32,921	4.0	24,656	4.1	7,820	4.0	8,265	3.7	18,216	3.6	11,736	3.6	5,579	3.9	6,480	3.5	14,705	4.7	12,920	4.7	2,241	4.4	1,785	4.8
Computer engineering	15,694	1.9	12,587	2.1	4,666	2.4	3,107	1.4	12,625	2.5	9,954	3.1	4,173	2.9	2,671	1.5	3,069	1.0	2,633	1.0	493	1.0	436	1.2
Industrial, manufacturing, systems engineering and operations research	15,750	1.9	9,268	1.6	3,389	1.8	6,482	2.9	11,704	2.3	6,093	1.9	2,763	1.9	5,611	3.1	4,046	1.3	3,175	1.2	626	1.2	871	2.3
Industrial and manufacturing engineering	7,422	0.9	4,957	0.8	1,622	0.8	2,465	1.1	5,044	1.0	3,030	0.9	1,269	0.9	2,014	1.1	2,378	0.8	1,927	0.7	353	0.7	451	1.2
Systems engineering and operations research	8,328	1.0	4,311	0.7	1,767	0.9	4,017	1.8	6,660	1.3	3,063	1.0	1,494	1.1	3,597	2.0	1,668	0.5	1,248	0.5	273	0.5	420	1.1
Mechanical engineering	26,994	3.3	20,443	3.4	6,468	3.3	6,551	3.0	15,136	3.0	9,748	3.0	4,662	3.3	5,388	2.9	11,858	3.8	10,695	3.9	1,806	3.5	1,163	3.1
Metallurgical, mining, materials and related engineering fields	7,361	0.9	6,053	1.0	1,520	0.8	1,308	0.6	2,503	0.5	1,552	0.5	718	0.5	951	0.5	4,858	1.6	4,501	1.6	802	1.6	357	1.0
Other engineering	23,034	2.8	15,280	2.6	4,827	2.5	7,754	3.5	14,325	2.8	8,317	2.6	3,589	2.5	6,008	3.3	8,709	2.8	6,963	2.5	1,238	2.4	1,746	4.7
Agricultural engineering	1,062	0.1	928	0.2	219	0.1	134	0.1	387	0.1	318	0.1	127	0.1	69	*	675	0.2	610	0.2	92	0.2	65	0.2
Engineering mechanics, physics, and science	2,337	0.3	2,037	0.3	565	0.3	300	0.1	663	0.1	470	0.1	266	0.2	193	0.1	1,674	0.5	1,567	0.6	299	0.6	107	0.3
Nuclear engineering	1,707	0.2	1,290	0.2	314	0.2	417	0.2	566	0.1	335	0.1	150	0.1	231	0.1	1,141	0.4	955	0.3	164	0.3	186	0.5
Engineering, other	17,928	2.2	11,025	1.8	3,729	1.9	6,903	3.1	12,709	2.5	7,194	2.2	3,046	2.1	5,515	3.0	5,219	1.7	3,831	1.4	683	1.3	1,388	3.7
Health	77,699	9.5	53,114	8.9	20,693	10.7	24,585	11.1	58,890	11.6	40,398	12.5	17,929	12.6	18,492	10.1	18,809	6.0	12,716	4.6	2,764	5.4	6,093	16.2
Clinical medicine	33,044	4.0	19,675	3.3	8,269	4.3	13,369	6.0	26,645	5.3	15,867	4.9	7,401	5.2	10,778	5.9	6,399	2.0	3,808	1.4	868	1.7	2,591	6.9
Medical clinical sciences and clinical and medical laboratory sciences	2,037	0.2	1,149	0.2	434	0.2	888	0.4	1,307	0.3	725	0.2	330	0.2	582	0.3	730	0.2	424	0.2	104	0.2	306	0.8
Public health	31,007	3.8	18,526	3.1	7,835	4.0	12,481	5.6	25,338	5.0	15,142	4.7	7,071	5.0	10,196	5.5	5,669	1.8	3,384	1.2	764	1.5	2,285	6.1
Other health	44,655	5.5	33,439	5.6	12,424	6.4	11,216	5.1	32,245	6.4	24,531	7.6	10,528	7.4	7,714	4.2	12,410	4.0	8,908	3.2	1,896	3.7	3,502	9.3
Communication disorders sciences	17,716	2.2	15,670	2.6	6,700	3.5	2,046	0.9	16,986	3.4	15,017	4.7	6,561	4.6	1,969	1.1	730	0.2	653	0.2	139	0.3	77	0.2

Table 2-7. Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024

(Number and percent)

Detailed field	All graduate students								Master's students								Doctoral students							
	Total		Full time				Part time		Total		Full time				Part time		Total		Full time				Part time	
			All full time		First time, full time						All full time		First time, full time						All full time		First time, full time			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Dental sciences	2,220	0.3	2,066	0.3	613	0.3	154	0.1	1,420	0.3	1,276	0.4	455	0.3	144	0.1	800	0.3	790	0.3	158	0.3	10	*
Kinesiology and exercise science	4,990	0.6	3,479	0.6	1,563	0.8	1,511	0.7	4,027	0.8	2,738	0.9	1,406	1.0	1,289	0.7	963	0.3	741	0.3	157	0.3	222	0.6
Nursing science	4,936	0.6	2,828	0.5	756	0.4	2,108	1.0	1,550	0.3	960	0.3	322	0.2	590	0.3	3,386	1.1	1,868	0.7	434	0.8	1,518	4.0
Pharmaceutical sciences	5,455	0.7	4,118	0.7	1,211	0.6	1,337	0.6	2,355	0.5	1,359	0.4	648	0.5	996	0.5	3,100	1.0	2,759	1.0	563	1.1	341	0.9
Other health nec	9,338	1.1	5,278	0.9	1,581	0.8	4,060	1.8	5,907	1.2	3,181	1.0	1,136	0.8	2,726	1.5	3,431	1.1	2,097	0.8	445	0.9	1,334	3.6

* = value < 0.05%; ne = not eligible.

nec = not elsewhere classified.

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.

Table 2-8. Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2024

(Number and percent)

Sex, citizenship, ethnicity, and race	Full time												Part time					
	All full time						First time, full time											
	Total		Master's		Doctoral		All first time, full time		Master's		Doctoral		All part time		Master's		Doctoral	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All individuals	596,638	100.0	322,037	100.0	274,601	100.0	193,600	100.0	142,279	100.0	51,321	100.0	221,440	100.0	183,893	100.0	37,547	100.0
Male	306,113	51.3	159,202	49.4	146,911	53.5	96,630	49.9	69,716	49.0	26,914	52.4	116,254	52.5	97,465	53.0	18,789	50.0
Female	290,525	48.7	162,835	50.6	127,690	46.5	96,970	50.1	72,563	51.0	24,407	47.6	105,186	47.5	86,428	47.0	18,758	50.0
U.S. citizens and permanent residents ^a	323,604	54.2	171,182	53.2	152,422	55.5	108,581	56.1	81,016	56.9	27,565	53.7	179,905	81.2	151,033	82.1	28,872	76.9
Hispanic or Latino	48,793	8.2	28,882	9.0	19,911	7.3	16,791	8.7	13,114	9.2	3,677	7.2	26,113	11.8	22,960	12.5	3,153	8.4
Not Hispanic or Latino																		
American Indian or Alaska Native	1,216	0.2	662	0.2	554	0.2	370	0.2	272	0.2	98	0.2	727	0.3	541	0.3	186	0.5
Asian	43,821	7.3	23,883	7.4	19,938	7.3	16,090	8.3	12,331	8.7	3,759	7.3	24,010	10.8	21,440	11.7	2,570	6.8
Black or African American	27,897	4.7	17,189	5.3	10,708	3.9	10,172	5.3	8,160	5.7	2,012	3.9	19,792	8.9	16,049	8.7	3,743	10.0
Native Hawaiian or Other Pacific Islander	395	0.1	235	0.1	160	0.1	113	0.1	92	0.1	21	*	329	0.1	284	0.2	45	0.1
White	171,768	28.8	84,954	26.4	86,814	31.6	54,760	28.3	39,634	27.9	15,126	29.5	91,555	41.3	75,188	40.9	16,367	43.6
More than one race	14,523	2.4	7,369	2.3	7,154	2.6	4,939	2.6	3,558	2.5	1,381	2.7	6,380	2.9	5,419	2.9	961	2.6
Unknown ethnicity and race	15,191	2.5	8,008	2.5	7,183	2.6	5,346	2.8	3,855	2.7	1,491	2.9	10,999	5.0	9,152	5.0	1,847	4.9
Temporary visa holders	273,034	45.8	150,855	46.8	122,179	44.5	85,019	43.9	61,263	43.1	23,756	46.3	41,535	18.8	32,860	17.9	8,675	23.1
Male																		
U.S. citizens and permanent residents ^a	140,111	23.5	67,944	21.1	72,167	26.3	45,744	23.6	33,136	23.3	12,608	24.6	90,782	41.0	77,412	42.1	13,370	35.6
Hispanic or Latino	19,384	3.2	10,255	3.2	9,129	3.3	6,422	3.3	4,795	3.4	1,627	3.2	12,212	5.5	10,802	5.9	1,410	3.8
Not Hispanic or Latino																		
American Indian or Alaska Native	472	0.1	249	0.1	223	0.1	148	0.1	112	0.1	36	0.1	296	0.1	229	0.1	67	0.2
Asian	21,370	3.6	11,575	3.6	9,795	3.6	7,956	4.1	6,166	4.3	1,790	3.5	13,665	6.2	12,391	6.7	1,274	3.4
Black or African American	9,534	1.6	5,543	1.7	3,991	1.5	3,306	1.7	2,636	1.9	670	1.3	7,928	3.6	6,553	3.6	1,375	3.7
Native Hawaiian or Other Pacific Islander	149	*	82	*	67	*	44	*	33	*	11	*	165	0.1	140	0.1	25	0.1
White	75,914	12.7	33,804	10.5	42,110	15.3	23,265	12.0	16,190	11.4	7,075	13.8	47,566	21.5	39,565	21.5	8,001	21.3
More than one race	6,178	1.0	2,996	0.9	3,182	1.2	2,066	1.1	1,467	1.0	599	1.2	3,172	1.4	2,777	1.5	395	1.1
Unknown ethnicity and race	7,110	1.2	3,440	1.1	3,670	1.3	2,537	1.3	1,737	1.2	800	1.6	5,778	2.6	4,955	2.7	823	2.2
Temporary visa holders	166,002	27.8	91,258	28.3	74,744	27.2	50,886	26.3	36,580	25.7	14,306	27.9	25,472	11.5	20,053	10.9	5,419	14.4
Female																		
U.S. citizens and permanent residents ^a	183,493	30.8	103,238	32.1	80,255	29.2	62,837	32.5	47,880	33.7	14,957	29.1	89,123	40.2	73,621	40.0	15,502	41.3
Hispanic or Latino	29,409	4.9	18,627	5.8	10,782	3.9	10,369	5.4	8,319	5.8	2,050	4.0	13,901	6.3	12,158	6.6	1,743	4.6
Not Hispanic or Latino																		
American Indian or Alaska Native	744	0.1	413	0.1	331	0.1	222	0.1	160	0.1	62	0.1	431	0.2	312	0.2	119	0.3
Asian	22,451	3.8	12,308	3.8	10,143	3.7	8,134	4.2	6,165	4.3	1,969	3.8	10,345	4.7	9,049	4.9	1,296	3.5
Black or African American	18,363	3.1	11,646	3.6	6,717	2.4	6,866	3.5	5,524	3.9	1,342	2.6	11,864	5.4	9,496	5.2	2,368	6.3
Native Hawaiian or Other Pacific Islander	246	*	153	*	93	*	69	*	59	*	10	*	164	0.1	144	0.1	20	0.1

Table 2-8. Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2024

(Number and percent)

Sex, citizenship, ethnicity, and race	Full time												Part time					
	All full time						First time, full time						All part time		Master's		Doctoral	
	Total		Master's		Doctoral		All first time, full time		Master's		Doctoral		Number	Percent	Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
White	95,854	16.1	51,150	15.9	44,704	16.3	31,495	16.3	23,444	16.5	8,051	15.7	43,989	19.9	35,623	19.4	8,366	22.3
More than one race	8,345	1.4	4,373	1.4	3,972	1.4	2,873	1.5	2,091	1.5	782	1.5	3,208	1.4	2,642	1.4	566	1.5
Unknown ethnicity and race	8,081	1.4	4,568	1.4	3,513	1.3	2,809	1.5	2,118	1.5	691	1.3	5,221	2.4	4,197	2.3	1,024	2.7
Temporary visa holders	107,032	17.9	59,597	18.5	47,435	17.3	34,133	17.6	24,683	17.3	9,450	18.4	16,063	7.3	12,807	7.0	3,256	8.7

* = value < 0.05%.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.**Note(s):**Percentages may not add to total because of rounding. 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.

Table 2-9. Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2024

(Number and percent)

Broad field	U.S. citizens and permanent residents																				Temporary visa holders	
	Total		Hispanic or Latino		Not Hispanic or Latino										Unknown ethnicity and race							
					American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White				More than one race					
					Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent			Number	Percent	Number	Percent		
All graduate students	818,078	100.0	74,906	100.0	1,943	100.0	67,831	100.0	47,689	100.0	724	100.0	263,323	100.0	20,903	100.0	26,190	100.0	314,569	100.0		
Science	564,367	69.0	52,696	70.3	1,375	70.8	46,353	68.3	33,710	70.7	527	72.8	182,813	69.4	14,590	69.8	18,161	69.3	214,142	68.1		
Agricultural and veterinary sciences	12,017	1.5	973	1.3	41	2.1	361	0.5	452	0.9	11	1.5	5,325	2.0	261	1.2	237	0.9	4,356	1.4		
Biological and biomedical sciences	109,018	13.3	11,600	15.5	280	14.4	11,000	16.2	6,841	14.3	104	14.4	43,450	16.5	3,587	17.2	3,480	13.3	28,676	9.1		
Computer and information sciences	161,368	19.7	7,153	9.5	160	8.2	17,223	25.4	7,165	15.0	95	13.1	25,594	9.7	2,467	11.8	4,975	19.0	96,536	30.7		
Geosciences, atmospheric, and ocean sciences	11,766	1.4	1,161	1.5	31	1.6	467	0.7	344	0.7	7	1.0	6,189	2.4	462	2.2	299	1.1	2,806	0.9		
Mathematics and statistics	33,979	4.2	2,023	2.7	37	1.9	2,723	4.0	787	1.7	17	2.3	9,317	3.5	674	3.2	879	3.4	17,522	5.6		
Multidisciplinary and interdisciplinary sciences	31,641	3.9	2,240	3.0	47	2.4	3,137	4.6	1,705	3.6	26	3.6	8,378	3.2	705	3.4	1,021	3.9	14,382	4.6		
Natural resources and conservation	13,332	1.6	1,248	1.7	115	5.9	443	0.7	484	1.0	23	3.2	7,768	2.9	468	2.2	315	1.2	2,468	0.8		
Physical sciences	45,337	5.5	3,362	4.5	56	2.9	3,024	4.5	1,150	2.4	16	2.2	16,611	6.3	1,161	5.6	1,061	4.1	18,896	6.0		
Psychology	72,924	8.9	14,722	19.7	282	14.5	4,219	6.2	8,477	17.8	135	18.6	32,793	12.5	2,646	12.7	3,358	12.8	6,292	2.0		
Social sciences	72,985	8.9	8,214	11.0	326	16.8	3,756	5.5	6,305	13.2	93	12.8	27,388	10.4	2,159	10.3	2,536	9.7	22,208	7.1		
Engineering	176,012	21.5	11,516	15.4	234	12.0	14,474	21.3	4,914	10.3	104	14.4	47,145	17.9	3,838	18.4	4,506	17.2	89,281	28.4		
Aerospace, aeronautical, and astronautical engineering	8,595	1.1	862	1.2	20	1.0	967	1.4	172	0.4	9	1.2	3,987	1.5	323	1.5	239	0.9	2,016	0.6		
Biological, biomedical, and biosystems engineering	15,805	1.9	1,327	1.8	21	1.1	2,006	3.0	562	1.2	13	1.8	4,919	1.9	487	2.3	579	2.2	5,891	1.9		
Chemical, petroleum, and chemical-related engineering	10,599	1.3	552	0.7	13	0.7	948	1.4	241	0.5	3	0.4	2,746	1.0	195	0.9	212	0.8	5,689	1.8		
Civil, environmental, transportation and related engineering fields	19,259	2.4	1,458	1.9	36	1.9	1,077	1.6	485	1.0	16	2.2	5,020	1.9	382	1.8	322	1.2	10,463	3.3		
Electrical, electronics, communications and computer engineering	48,615	5.9	2,332	3.1	38	2.0	4,212	6.2	1,112	2.3	30	4.1	8,805	3.3	814	3.9	1,118	4.3	30,154	9.6		
Industrial, manufacturing, systems engineering and operations research	15,750	1.9	1,205	1.6	15	0.8	1,027	1.5	658	1.4	5	0.7	4,139	1.6	270	1.3	614	2.3	7,817	2.5		
Mechanical engineering	26,994	3.3	2,019	2.7	41	2.1	2,134	3.1	587	1.2	11	1.5	8,126	3.1	669	3.2	616	2.4	12,791	4.1		
Metallurgical, mining, materials and related engineering fields	7,361	0.9	547	0.7	12	0.6	587	0.9	177	0.4	5	0.7	2,303	0.9	196	0.9	161	0.6	3,373	1.1		
Other engineering	23,034	2.8	1,214	1.6	38	2.0	1,516	2.2	920	1.9	12	1.7	7,100	2.7	502	2.4	645	2.5	11,087	3.5		
Health	77,699	9.5	10,694	14.3	334	17.2	7,004	10.3	9,065	19.0	93	12.8	33,365	12.7	2,475	11.8	3,523	13.5	11,146	3.5		
Clinical medicine ^a	33,044	4.0	4,618	6.2	226	11.6	3,744	5.5	5,337	11.2	55	7.6	12,304	4.7	1,219	5.8	1,602	6.1	3,939	1.3		
Other health	44,655	5.5	6,076	8.1	108	5.6	3,260	4.8	3,728	7.8	38	5.2	21,061	8.0	1,256	6.0	1,921	7.3	7,207	2.3		
Master's students	505,930	61.8	51,842	69.2	1,203	61.9	45,323	66.8	33,238	69.7	519	71.7	160,142	60.8	12,788	61.2	17,160	65.5	183,715	58.4		
Science	347,469	42.5	34,942	46.6	800	41.2	30,698	45.3	23,412	49.1	376	51.9	105,048	39.9	8,504	40.7	11,584	44.2	132,105	42.0		
Agricultural and veterinary sciences	6,973	0.9	728	1.0	31	1.6	220	0.3	343	0.7	10	1.4	3,609	1.4	180	0.9	157	0.6	1,695	0.5		
Biological and biomedical sciences	46,661	5.7	5,479	7.3	147	7.6	5,073	7.5	4,236	8.9	53	7.3	18,046	6.9	1,560	7.5	1,754	6.7	10,313	3.3		
Computer and information sciences	137,358	16.8	6,424	8.6	128	6.6	15,230	22.5	6,267	13.1	83	11.5	21,332	8.1	2,078	9.9	4,207	16.1	81,609	25.9		
Geosciences, atmospheric, and ocean sciences	4,909	0.6	611	0.8	17	0.9	168	0.2	164	0.3	2	0.3	3,028	1.1	203	1.0	127	0.5	589	0.2		
Mathematics and statistics	19,948	2.4	1,306	1.7	30	1.5	1,679	2.5	571	1.2	12	1.7	5,240	2.0	388	1.9	519	2.0	10,203	3.2		
Multidisciplinary and interdisciplinary sciences	26,426	3.2	1,844	2.5	35	1.8	2,752	4.1	1,432	3.0	23	3.2	6,521	2.5	552	2.6	865	3.3	12,402	3.9		
Natural resources and conservation	9,150	1.1	943	1.3	69	3.6	297	0.4	308	0.6	20	2.8	5,786	2.2	363	1.7	200	0.8	1,164	0.4		

Table 2-9. Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2024

(Number and percent)

Broad field	Total		U.S. citizens and permanent residents																	Temporary visa holders	
			Hispanic or Latino		Not Hispanic or Latino										Unknown ethnicity and race						
					American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White				More than one race				
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Physical sciences	6,008	0.7	729	1.0	7	0.4	471	0.7	298	0.6	5	0.7	2,524	1.0	217	1.0	197	0.8	1,560	0.5	
Psychology	49,516	6.1	11,350	15.2	188	9.7	2,709	4.0	5,732	12.0	106	14.6	22,176	8.4	1,688	8.1	2,177	8.3	3,390	1.1	
Social sciences	40,520	5.0	5,528	7.4	148	7.6	2,099	3.1	4,061	8.5	62	8.6	16,786	6.4	1,275	6.1	1,381	5.3	9,180	2.9	
Engineering	99,571	12.2	7,982	10.7	150	7.7	9,118	13.4	3,082	6.5	68	9.4	28,882	11.0	2,296	11.0	2,789	10.6	45,204	14.4	
Aerospace, aeronautical, and astronautical engineering	5,563	0.7	664	0.9	16	0.8	701	1.0	111	0.2	6	0.8	2,786	1.1	221	1.1	176	0.7	882	0.3	
Biological, biomedical, and biosystems engineering	5,475	0.7	523	0.7	9	0.5	803	1.2	210	0.4	4	0.6	1,722	0.7	185	0.9	140	0.5	1,879	0.6	
Chemical, petroleum, and chemical-related engineering	2,664	0.3	184	0.2	3	0.2	276	0.4	80	0.2	1	0.1	735	0.3	52	0.2	63	0.2	1,270	0.4	
Civil, environmental, transportation and related engineering fields	11,360	1.4	1,191	1.6	23	1.2	768	1.1	327	0.7	10	1.4	3,629	1.4	269	1.3	211	0.8	4,932	1.6	
Electrical, electronics, communications and computer engineering	30,841	3.8	1,811	2.4	28	1.4	3,048	4.5	812	1.7	24	3.3	5,922	2.2	564	2.7	788	3.0	17,844	5.7	
Industrial, manufacturing, systems engineering and operations research	11,704	1.4	1,076	1.4	9	0.5	796	1.2	496	1.0	3	0.4	3,292	1.3	206	1.0	507	1.9	5,319	1.7	
Mechanical engineering	15,136	1.9	1,449	1.9	29	1.5	1,452	2.1	377	0.8	10	1.4	5,343	2.0	431	2.1	403	1.5	5,642	1.8	
Metallurgical, mining, materials and related engineering fields	2,503	0.3	256	0.3	10	0.5	243	0.4	75	0.2	4	0.6	900	0.3	70	0.3	77	0.3	868	0.3	
Other engineering	14,325	1.8	828	1.1	23	1.2	1,031	1.5	594	1.2	6	0.8	4,553	1.7	298	1.4	424	1.6	6,568	2.1	
Health	58,890	7.2	8,918	11.9	253	13.0	5,507	8.1	6,744	14.1	75	10.4	26,212	10.0	1,988	9.5	2,787	10.6	6,406	2.0	
Clinical medicine ^a	26,645	3.3	3,913	5.2	173	8.9	3,181	4.7	4,267	8.9	45	6.2	10,122	3.8	998	4.8	1,414	5.4	2,532	0.8	
Other health	32,245	3.9	5,005	6.7	80	4.1	2,326	3.4	2,477	5.2	30	4.1	16,090	6.1	990	4.7	1,373	5.2	3,874	1.2	
Doctoral students	312,148	38.2	23,064	30.8	740	38.1	22,508	33.2	14,451	30.3	205	28.3	103,181	39.2	8,115	38.8	9,030	34.5	130,854	41.6	
Science	216,898	26.5	17,754	23.7	575	29.6	15,655	23.1	10,298	21.6	151	20.9	77,765	29.5	6,086	29.1	6,577	25.1	82,037	26.1	
Agricultural and veterinary sciences	5,044	0.6	245	0.3	10	0.5	141	0.2	109	0.2	1	0.1	1,716	0.7	81	0.4	80	0.3	2,661	0.8	
Biological and biomedical sciences	62,357	7.6	6,121	8.2	133	6.8	5,927	8.7	2,605	5.5	51	7.0	25,404	9.6	2,027	9.7	1,726	6.6	18,363	5.8	
Computer and information sciences	24,010	2.9	729	1.0	32	1.6	1,993	2.9	898	1.9	12	1.7	4,262	1.6	389	1.9	768	2.9	14,927	4.7	
Geosciences, atmospheric, and ocean sciences	6,857	0.8	550	0.7	14	0.7	299	0.4	180	0.4	5	0.7	3,161	1.2	259	1.2	172	0.7	2,217	0.7	
Mathematics and statistics	14,031	1.7	717	1.0	7	0.4	1,044	1.5	216	0.5	5	0.7	4,077	1.5	286	1.4	360	1.4	7,319	2.3	
Multidisciplinary and interdisciplinary sciences	5,215	0.6	396	0.5	12	0.6	385	0.6	273	0.6	3	0.4	1,857	0.7	153	0.7	156	0.6	1,980	0.6	
Natural resources and conservation	4,182	0.5	305	0.4	46	2.4	146	0.2	176	0.4	3	0.4	1,982	0.8	105	0.5	115	0.4	1,304	0.4	
Physical sciences	39,329	4.8	2,633	3.5	49	2.5	2,553	3.8	852	1.8	11	1.5	14,087	5.3	944	4.5	864	3.3	17,336	5.5	
Psychology	23,408	2.9	3,372	4.5	94	4.8	1,510	2.2	2,745	5.8	29	4.0	10,617	4.0	958	4.6	1,181	4.5	2,902	0.9	
Social sciences	32,465	4.0	2,686	3.6	178	9.2	1,657	2.4	2,244	4.7	31	4.3	10,602	4.0	884	4.2	1,155	4.4	13,028	4.1	
Engineering	76,441	9.3	3,534	4.7	84	4.3	5,356	7.9	1,832	3.8	36	5.0	18,263	6.9	1,542	7.4	1,717	6.6	44,077	14.0	
Aerospace, aeronautical, and astronautical engineering	3,032	0.4	198	0.3	4	0.2	266	0.4	61	0.1	3	0.4	1,201	0.5	102	0.5	63	0.2	1,134	0.4	
Biological, biomedical, and biosystems engineering	10,330	1.3	804	1.1	12	0.6	1,203	1.8	352	0.7	9	1.2	3,197	1.2	302	1.4	439	1.7	4,012	1.3	
Chemical, petroleum, and chemical-related engineering	7,935	1.0	368	0.5	10	0.5	672	1.0	161	0.3	2	0.3	2,011	0.8	143	0.7	149	0.6	4,419	1.4	
Civil, environmental, transportation and related engineering fields	7,899	1.0	267	0.4	13	0.7	309	0.5	158	0.3	6	0.8	1,391	0.5	113	0.5	111	0.4	5,531	1.8	
Electrical, electronics, communications and computer engineering	17,774	2.2	521	0.7	10	0.5	1,164	1.7	300	0.6	6	0.8	2,883	1.1	250	1.2	330	1.3	12,310	3.9	

Table 2-9. Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2024

(Number and percent)

Broad field	Total		U.S. citizens and permanent residents																	Temporary visa holders	
			Hispanic or Latino		Not Hispanic or Latino										Unknown ethnicity and race						
					American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White				More than one race				
Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Industrial, manufacturing, systems engineering and operations research	4,046	0.5	129	0.2	6	0.3	231	0.3	162	0.3	2	0.3	847	0.3	64	0.3	107	0.4	2,498	0.8	
Mechanical engineering	11,858	1.4	570	0.8	12	0.6	682	1.0	210	0.4	1	0.1	2,783	1.1	238	1.1	213	0.8	7,149	2.3	
Metallurgical, mining, materials and related engineering fields	4,858	0.6	291	0.4	2	0.1	344	0.5	102	0.2	1	0.1	1,403	0.5	126	0.6	84	0.3	2,505	0.8	
Other engineering	8,709	1.1	386	0.5	15	0.8	485	0.7	326	0.7	6	0.8	2,547	1.0	204	1.0	221	0.8	4,519	1.4	
Health	18,809	2.3	1,776	2.4	81	4.2	1,497	2.2	2,321	4.9	18	2.5	7,153	2.7	487	2.3	736	2.8	4,740	1.5	
Clinical medicine ^a	6,399	0.8	705	0.9	53	2.7	563	0.8	1,070	2.2	10	1.4	2,182	0.8	221	1.1	188	0.7	1,407	0.4	
Other health	12,410	1.5	1,071	1.4	28	1.4	934	1.4	1,251	2.6	8	1.1	4,971	1.9	266	1.3	548	2.1	3,333	1.1	

^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. Ethnicity and race data are available only for U.S. citizens and permanent residents. 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.

Table 3-1. Primary source of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All graduate students	596,638	83,962	14.1	242,786	40.7	21,419	3.6	3,376	0.6	245,095	41.1
Science	411,924	53,783	13.1	176,325	42.8	12,089	2.9	1,924	0.5	167,803	40.7
Agricultural and veterinary sciences	8,784	2,087	23.8	4,155	47.3	1,009	11.5	61	0.7	1,472	16.8
Biological and biomedical sciences	89,780	21,559	24.0	41,189	45.9	3,919	4.4	431	0.5	22,682	25.3
Computer and information sciences	103,833	6,488	6.2	28,995	27.9	1,908	1.8	458	0.4	65,984	63.5
Geosciences, atmospheric, and ocean sciences	9,735	2,693	27.7	5,364	55.1	460	4.7	93	1.0	1,125	11.6
Mathematics and statistics	26,987	1,542	5.7	14,352	53.2	356	1.3	146	0.5	10,591	39.2
Multidisciplinary and interdisciplinary sciences	20,864	891	4.3	6,670	32.0	369	1.8	90	0.4	12,844	61.6
Natural resources and conservation	9,019	1,662	18.4	4,460	49.5	351	3.9	39	0.4	2,507	27.8
Physical sciences	40,715	10,625	26.1	25,089	61.6	1,755	4.3	261	0.6	2,985	7.3
Psychology	48,011	3,264	6.8	15,804	32.9	751	1.6	55	0.1	28,137	58.6
Social sciences	54,196	2,972	5.5	30,247	55.8	1,211	2.2	290	0.5	19,476	35.9
Engineering	131,600	25,762	19.6	51,371	39.0	8,079	6.1	1,216	0.9	45,172	34.3
Aerospace, aeronautical, and astronautical engineering	5,661	1,375	24.3	2,196	38.8	376	6.6	121	2.1	1,593	28.1
Biological, biomedical, and biosystems engineering	13,942	3,585	25.7	6,035	43.3	1,098	7.9	52	0.4	3,172	22.8
Chemical, petroleum, and chemical-related engineering	9,403	2,571	27.3	4,288	45.6	1,113	11.8	104	1.1	1,327	14.1
Civil, environmental, transportation and related engineering fields	14,307	2,439	17.0	6,566	45.9	737	5.2	146	1.0	4,419	30.9
Electrical, electronics, communications and computer engineering	37,243	5,754	15.4	13,014	34.9	1,628	4.4	237	0.6	16,610	44.6
Industrial, manufacturing, systems engineering and operations research	9,268	1,183	12.8	3,140	33.9	342	3.7	59	0.6	4,544	49.0
Mechanical engineering	20,443	4,373	21.4	8,432	41.2	1,224	6.0	300	1.5	6,114	29.9
Metallurgical, mining, materials and related engineering fields	6,053	1,891	31.2	2,386	39.4	682	11.3	74	1.2	1,020	16.9
Other engineering	15,280	2,591	17.0	5,314	34.8	879	5.8	123	0.8	6,373	41.7
Health	53,114	4,417	8.3	15,090	28.4	1,251	2.4	236	0.4	32,120	60.5
Clinical medicine ^a	19,675	1,965	10.0	5,717	29.1	561	2.9	88	0.4	11,344	57.7
Other health	33,439	2,452	7.3	9,373	28.0	690	2.1	148	0.4	20,776	62.1
Master's students	322,037	16,026	5.0	77,974	24.2	6,013	1.9	1,010	0.3	221,014	68.6
Science	217,779	9,516	4.4	52,760	24.2	3,498	1.6	603	0.3	151,402	69.5
Agricultural and veterinary sciences	4,425	755	17.1	1,930	43.6	495	11.2	15	0.3	1,230	27.8
Biological and biomedical sciences	31,105	1,893	6.1	8,262	26.6	551	1.8	119	0.4	20,280	65.2
Computer and information sciences	83,229	1,843	2.2	16,382	19.7	919	1.1	181	0.2	63,904	76.8
Geosciences, atmospheric, and ocean sciences	3,469	653	18.8	1,829	52.7	132	3.8	23	0.7	832	24.0
Mathematics and statistics	14,052	225	1.6	3,768	26.8	123	0.9	43	0.3	9,893	70.4
Multidisciplinary and interdisciplinary sciences	16,502	316	1.9	3,567	21.6	177	1.1	51	0.3	12,391	75.1
Natural resources and conservation	5,558	772	13.9	2,428	43.7	181	3.3	17	0.3	2,160	38.9
Physical sciences	3,644	320	8.8	1,528	41.9	73	2.0	19	0.5	1,704	46.8
Psychology	29,458	1,245	4.2	5,081	17.2	272	0.9	14	*	22,846	77.6
Social sciences	26,337	1,494	5.7	7,985	30.3	575	2.2	121	0.5	16,162	61.4

Table 3-1. Primary source of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Engineering	63,860	4,263	6.7	16,415	25.7	1,815	2.8	313	0.5	41,054	64.3
Aerospace, aeronautical, and astronautical engineering	2,993	435	14.5	977	32.6	180	6.0	33	1.1	1,368	45.7
Biological, biomedical, and biosystems engineering	4,293	255	5.9	1,143	26.6	78	1.8	6	0.1	2,811	65.5
Chemical, petroleum, and chemical-related engineering	1,838	122	6.6	502	27.3	112	6.1	11	0.6	1,091	59.4
Civil, environmental, transportation and related engineering fields	7,336	570	7.8	2,555	34.8	215	2.9	62	0.8	3,934	53.6
Electrical, electronics, communications and computer engineering	21,690	899	4.1	4,922	22.7	336	1.5	58	0.3	15,475	71.3
Industrial, manufacturing, systems engineering and operations research	6,093	468	7.7	1,286	21.1	98	1.6	39	0.6	4,202	69.0
Mechanical engineering	9,748	882	9.0	2,978	30.5	325	3.3	61	0.6	5,502	56.4
Metallurgical, mining, materials and related engineering fields	1,552	206	13.3	414	26.7	138	8.9	5	0.3	789	50.8
Other engineering	8,317	426	5.1	1,638	19.7	333	4.0	38	0.5	5,882	70.7
Health	40,398	2,247	5.6	8,799	21.8	700	1.7	94	0.2	28,558	70.7
Clinical medicine ^a	15,867	1,207	7.6	3,729	23.5	368	2.3	45	0.3	10,518	66.3
Other health	24,531	1,040	4.2	5,070	20.7	332	1.4	49	0.2	18,040	73.5
Doctoral students	274,601	67,936	24.7	164,812	60.0	15,406	5.6	2,366	0.9	24,081	8.8
Science	194,145	44,267	22.8	123,565	63.6	8,591	4.4	1,321	0.7	16,401	8.4
Agricultural and veterinary sciences	4,359	1,332	30.6	2,225	51.0	514	11.8	46	1.1	242	5.6
Biological and biomedical sciences	58,675	19,666	33.5	32,927	56.1	3,368	5.7	312	0.5	2,402	4.1
Computer and information sciences	20,604	4,645	22.5	12,613	61.2	989	4.8	277	1.3	2,080	10.1
Geosciences, atmospheric, and ocean sciences	6,266	2,040	32.6	3,535	56.4	328	5.2	70	1.1	293	4.7
Mathematics and statistics	12,935	1,317	10.2	10,584	81.8	233	1.8	103	0.8	698	5.4
Multidisciplinary and interdisciplinary sciences	4,362	575	13.2	3,103	71.1	192	4.4	39	0.9	453	10.4
Natural resources and conservation	3,461	890	25.7	2,032	58.7	170	4.9	22	0.6	347	10.0
Physical sciences	37,071	10,305	27.8	23,561	63.6	1,682	4.5	242	0.7	1,281	3.5
Psychology	18,553	2,019	10.9	10,723	57.8	479	2.6	41	0.2	5,291	28.5
Social sciences	27,859	1,478	5.3	22,262	79.9	636	2.3	169	0.6	3,314	11.9
Engineering	67,740	21,499	31.7	34,956	51.6	6,264	9.2	903	1.3	4,118	6.1
Aerospace, aeronautical, and astronautical engineering	2,668	940	35.2	1,219	45.7	196	7.3	88	3.3	225	8.4
Biological, biomedical, and biosystems engineering	9,649	3,330	34.5	4,892	50.7	1,020	10.6	46	0.5	361	3.7
Chemical, petroleum, and chemical-related engineering	7,565	2,449	32.4	3,786	50.0	1,001	13.2	93	1.2	236	3.1
Civil, environmental, transportation and related engineering fields	6,971	1,869	26.8	4,011	57.5	522	7.5	84	1.2	485	7.0
Electrical, electronics, communications and computer engineering	15,553	4,855	31.2	8,092	52.0	1,292	8.3	179	1.2	1,135	7.3
Industrial, manufacturing, systems engineering and operations research	3,175	715	22.5	1,854	58.4	244	7.7	20	0.6	342	10.8
Mechanical engineering	10,695	3,491	32.6	5,454	51.0	899	8.4	239	2.2	612	5.7
Metallurgical, mining, materials and related engineering fields	4,501	1,685	37.4	1,972	43.8	544	12.1	69	1.5	231	5.1
Other engineering	6,963	2,165	31.1	3,676	52.8	546	7.8	85	1.2	491	7.1
Health	12,716	2,170	17.1	6,291	49.5	551	4.3	142	1.1	3,562	28.0
Clinical medicine ^a	3,808	758	19.9	1,988	52.2	193	5.1	43	1.1	826	21.7

Table 3-1. Primary source of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other health	8,908	1,412	15.9	4,303	48.3	358	4.0	99	1.1	2,736	30.7

* = value < 0.05%.

^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.

Table 3-2. Primary source of support for postdoctoral appointees in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support		Unknown	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All surveyed fields	69,877	33,582	48.1	17,603	25.2	9,989	14.3	1,150	1.6	1,104	1.6	6,449	9.2
Science	39,702	19,641	49.5	10,426	26.3	5,512	13.9	493	1.2	474	1.2	3,156	7.9
Agricultural and veterinary sciences	2,177	977	44.9	713	32.8	333	15.3	25	1.1	5	0.2	124	5.7
Biological and biomedical sciences	20,234	10,842	53.6	4,270	21.1	2,827	14.0	221	1.1	178	0.9	1,896	9.4
Computer and information sciences	1,042	411	39.4	366	35.1	161	15.5	21	2.0	16	1.5	67	6.4
Geosciences, atmospheric, and ocean sciences	2,043	981	48.0	551	27.0	276	13.5	35	1.7	73	3.6	127	6.2
Mathematics and statistics	1,238	310	25.0	660	53.3	129	10.4	13	1.1	20	1.6	106	8.6
Multidisciplinary and interdisciplinary sciences	1,061	457	43.1	308	29.0	160	15.1	20	1.9	25	2.4	91	8.6
Natural resources and conservation	969	455	47.0	309	31.9	122	12.6	10	1.0	23	2.4	50	5.2
Physical sciences	7,570	4,054	53.6	1,854	24.5	1,023	13.5	108	1.4	88	1.2	443	5.9
Psychology	1,392	710	51.0	388	27.9	135	9.7	10	0.7	27	1.9	122	8.8
Social sciences	1,976	444	22.5	1,007	51.0	346	17.5	30	1.5	19	1.0	130	6.6
Engineering	9,545	4,700	49.2	2,586	27.1	1,425	14.9	253	2.7	107	1.1	474	5.0
Aerospace, aeronautical, and astronautical engineering	246	130	52.8	47	19.1	30	12.2	6	2.4	2	0.8	31	12.6
Biological, biomedical, and biosystems engineering	1,685	956	56.7	380	22.6	231	13.7	13	0.8	1	0.1	104	6.2
Chemical, petroleum, and chemical-related engineering	1,552	712	45.9	386	24.9	317	20.4	51	3.3	19	1.2	67	4.3
Civil, environmental, transportation and related engineering fields	1,166	462	39.6	423	36.3	177	15.2	26	2.2	20	1.7	58	5.0
Electrical, electronics, communications and computer engineering	1,381	666	48.2	375	27.2	203	14.7	44	3.2	21	1.5	72	5.2
Industrial, manufacturing, systems engineering and operations research	162	51	31.5	80	49.4	16	9.9	4	2.5	0	0.0	11	6.8
Mechanical engineering	1,459	758	52.0	397	27.2	173	11.9	44	3.0	13	0.9	74	5.1
Metallurgical, mining, materials and related engineering fields	588	324	55.1	123	20.9	101	17.2	11	1.9	13	2.2	16	2.7
Other engineering	1,306	641	49.1	375	28.7	177	13.6	54	4.1	18	1.4	41	3.1
Health	20,630	9,241	44.8	4,591	22.3	3,052	14.8	404	2.0	523	2.5	2,819	13.7
Clinical medicine ^a	17,919	8,065	45.0	4,150	23.2	2,359	13.2	395	2.2	333	1.9	2,617	14.6
Other health	2,711	1,176	43.4	441	16.3	693	25.6	9	0.3	190	7.0	202	7.5

^a Clinical medicine includes postdoctoral appointees in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.

Note(s):

For postdoctoral appointees, "field" refers to the field of the unit that reports information on this group to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see [table A-6](#).

Source(s):

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

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.

Table 3-4. Detailed primary source of federal support for postdoctoral appointees 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 surveyed fields	33,582	2,452	7.3	2,245	6.7	19,413	57.8	1,037	3.1	701	2.1	3,913	11.7	1,166	3.5	2,655	7.9
Science	19,641	1,042	5.3	1,456	7.4	10,227	52.1	550	2.8	602	3.1	3,008	15.3	1,041	5.3	1,715	8.7
Agricultural and veterinary sciences	977	23	2.4	19	1.9	218	22.3	63	6.4	5	0.5	83	8.5	467	47.8	99	10.1
Biological and biomedical sciences	10,842	316	2.9	162	1.5	8,230	75.9	296	2.7	21	0.2	819	7.6	343	3.2	655	6.0
Computer and information sciences	411	94	22.9	20	4.9	36	8.8	9	2.2	4	1.0	192	46.7	7	1.7	49	11.9
Geosciences, atmospheric, and ocean sciences	981	48	4.9	58	5.9	23	2.3	8	0.8	181	18.5	396	40.4	30	3.1	237	24.2
Mathematics and statistics	310	59	19.0	33	10.6	51	16.5	7	2.3	2	0.6	124	40.0	4	1.3	30	9.7
Multidisciplinary and interdisciplinary sciences	457	47	10.3	22	4.8	232	50.8	14	3.1	2	0.4	78	17.1	9	2.0	53	11.6
Natural resources and conservation	455	11	2.4	41	9.0	14	3.1	5	1.1	21	4.6	97	21.3	133	29.2	133	29.2
Physical sciences	4,054	409	10.1	1,089	26.9	822	20.3	93	2.3	345	8.5	1,005	24.8	4	0.1	287	7.1
Psychology	710	15	2.1	1	0.1	474	66.8	34	4.8	0	0.0	104	14.6	0	0.0	82	11.5
Social sciences	444	20	4.5	11	2.5	127	28.6	21	4.7	21	4.7	110	24.8	44	9.9	90	20.3
Engineering	4,700	1,057	22.5	782	16.6	1,175	25.0	189	4.0	94	2.0	842	17.9	106	2.3	455	9.7
Aerospace, aeronautical, and astronautical engineering	130	44	33.8	19	14.6	5	3.8	5	3.8	21	16.2	23	17.7	0	0.0	13	10.0
Biological, biomedical, and biosystems engineering	956	102	10.7	10	1.0	681	71.2	40	4.2	3	0.3	56	5.9	14	1.5	50	5.2
Chemical, petroleum, and chemical-related engineering	712	90	12.6	220	30.9	149	20.9	62	8.7	2	0.3	140	19.7	10	1.4	39	5.5
Civil, environmental, transportation and related engineering fields	462	78	16.9	82	17.7	20	4.3	16	3.5	11	2.4	113	24.5	22	4.8	120	26.0
Electrical, electronics, communications and computer engineering	666	245	36.8	73	11.0	97	14.6	13	2.0	21	3.2	151	22.7	3	0.5	63	9.5
Industrial, manufacturing, systems engineering and operations research	51	13	25.5	0	0.0	2	3.9	2	3.9	2	3.9	19	37.3	0	0.0	13	25.5
Mechanical engineering	758	245	32.3	135	17.8	114	15.0	28	3.7	23	3.0	146	19.3	8	1.1	59	7.8
Metallurgical, mining, materials and related engineering fields	324	103	31.8	97	29.9	13	4.0	2	0.6	5	1.5	81	25.0	4	1.2	19	5.9
Other engineering	641	137	21.4	146	22.8	94	14.7	21	3.3	6	0.9	113	17.6	45	7.0	79	12.3
Health	9,241	353	3.8	7	0.1	8,011	86.7	298	3.2	5	0.1	63	0.7	19	0.2	485	5.2
Clinical medicine ^a	8,065	282	3.5	6	0.1	7,142	88.6	171	2.1	5	0.1	30	0.4	6	0.1	423	5.2
Other health	1,176	71	6.0	1	0.1	869	73.9	127	10.8	0	0.0	33	2.8	13	1.1	62	5.3

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 postdoctoral appointees in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.**Note(s):**For postdoctoral appointees, "field" refers to the field of the unit that reports information on this group to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see [table A-6](#).**Source(s):**

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

Table 3-5. Primary mechanism of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
All graduate students	596,638	50,559	8.5	136,582	22.9	86,581	14.5	12,113	2.0	245,095	41.1	65,708	11.0
Science	411,924	36,252	8.8	85,956	20.9	68,839	16.7	9,603	2.3	167,803	40.7	43,471	10.6
Agricultural and veterinary sciences	8,784	493	5.6	5,244	59.7	937	10.7	24	0.3	1,472	16.8	614	7.0
Biological and biomedical sciences	89,780	11,514	12.8	30,521	34.0	10,657	11.9	5,932	6.6	22,682	25.3	8,474	9.4
Computer and information sciences	103,833	3,774	3.6	11,561	11.1	9,469	9.1	594	0.6	65,984	63.5	12,451	12.0
Geosciences, atmospheric, and ocean sciences	9,735	1,130	11.6	4,377	45.0	2,439	25.1	95	1.0	1,125	11.6	569	5.8
Mathematics and statistics	26,987	2,045	7.6	2,738	10.1	9,116	33.8	178	0.7	10,591	39.2	2,319	8.6
Multidisciplinary and interdisciplinary sciences	20,864	1,662	8.0	1,801	8.6	1,701	8.2	160	0.8	12,844	61.6	2,696	12.9
Natural resources and conservation	9,019	995	11.0	2,828	31.4	1,411	15.6	121	1.3	2,507	27.8	1,157	12.8
Physical sciences	40,715	4,512	11.1	16,163	39.7	14,017	34.4	585	1.4	2,985	7.3	2,453	6.0
Psychology	48,011	1,943	4.0	4,875	10.2	6,081	12.7	839	1.7	28,137	58.6	6,136	12.8
Social sciences	54,196	8,184	15.1	5,848	10.8	13,011	24.0	1,075	2.0	19,476	35.9	6,602	12.2
Engineering	131,600	11,940	9.1	45,190	34.3	14,105	10.7	1,358	1.0	45,172	34.3	13,835	10.5
Aerospace, aeronautical, and astronautical engineering	5,661	397	7.0	2,116	37.4	726	12.8	67	1.2	1,593	28.1	762	13.5
Biological, biomedical, and biosystems engineering	13,942	2,208	15.8	5,361	38.5	1,112	8.0	482	3.5	3,172	22.8	1,607	11.5
Chemical, petroleum, and chemical-related engineering	9,403	1,325	14.1	5,057	53.8	1,097	11.7	62	0.7	1,327	14.1	535	5.7
Civil, environmental, transportation and related engineering fields	14,307	1,270	8.9	5,312	37.1	1,738	12.1	91	0.6	4,419	30.9	1,477	10.3
Electrical, electronics, communications and computer engineering	37,243	2,566	6.9	9,933	26.7	3,870	10.4	194	0.5	16,610	44.6	4,070	10.9
Industrial, manufacturing, systems engineering and operations research	9,268	621	6.7	1,685	18.2	1,000	10.8	47	0.5	4,544	49.0	1,371	14.8
Mechanical engineering	20,443	1,628	8.0	7,504	36.7	2,877	14.1	169	0.8	6,114	29.9	2,151	10.5
Metallurgical, mining, materials and related engineering fields	6,053	715	11.8	3,249	53.7	561	9.3	48	0.8	1,020	16.9	460	7.6
Other engineering	15,280	1,210	7.9	4,973	32.5	1,124	7.4	198	1.3	6,373	41.7	1,402	9.2
Health	53,114	2,367	4.5	5,436	10.2	3,637	6.8	1,152	2.2	32,120	60.5	8,402	15.8
Clinical medicine ^a	19,675	1,070	5.4	2,067	10.5	1,009	5.1	625	3.2	11,344	57.7	3,560	18.1
Other health	33,439	1,297	3.9	3,369	10.1	2,628	7.9	527	1.6	20,776	62.1	4,842	14.5
Master's students	322,037	9,494	2.9	22,510	7.0	22,115	6.9	2,438	0.8	221,014	68.6	44,466	13.8
Science	217,779	5,928	2.7	14,059	6.5	15,954	7.3	1,422	0.7	151,402	69.5	29,014	13.3
Agricultural and veterinary sciences	4,425	147	3.3	2,220	50.2	418	9.4	4	0.1	1,230	27.8	406	9.2
Biological and biomedical sciences	31,105	855	2.7	2,882	9.3	2,891	9.3	204	0.7	20,280	65.2	3,993	12.8
Computer and information sciences	83,229	1,201	1.4	2,470	3.0	4,168	5.0	284	0.3	63,904	76.8	11,202	13.5
Geosciences, atmospheric, and ocean sciences	3,469	136	3.9	1,171	33.8	1,047	30.2	19	0.5	832	24.0	264	7.6
Mathematics and statistics	14,052	386	2.7	432	3.1	1,694	12.1	30	0.2	9,893	70.4	1,617	11.5
Multidisciplinary and interdisciplinary sciences	16,502	559	3.4	502	3.0	682	4.1	77	0.5	12,391	75.1	2,291	13.9
Natural resources and conservation	5,558	461	8.3	1,251	22.5	665	12.0	95	1.7	2,160	38.9	926	16.7
Physical sciences	3,644	87	2.4	497	13.6	859	23.6	28	0.8	1,704	46.8	469	12.9
Psychology	29,458	209	0.7	974	3.3	1,132	3.8	329	1.1	22,846	77.6	3,968	13.5

Table 3-5. Primary mechanism of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
Social sciences	26,337	1,887	7.2	1,660	6.3	2,398	9.1	352	1.3	16,162	61.4	3,878	14.7
Engineering	63,860	2,341	3.7	6,765	10.6	4,379	6.9	507	0.8	41,054	64.3	8,814	13.8
Aerospace, aeronautical, and astronautical engineering	2,993	67	2.2	640	21.4	335	11.2	44	1.5	1,368	45.7	539	18.0
Biological, biomedical, and biosystems engineering	4,293	158	3.7	341	7.9	375	8.7	21	0.5	2,811	65.5	587	13.7
Chemical, petroleum, and chemical-related engineering	1,838	50	2.7	294	16.0	152	8.3	15	0.8	1,091	59.4	236	12.8
Civil, environmental, transportation and related engineering fields	7,336	470	6.4	1,246	17.0	669	9.1	41	0.6	3,934	53.6	976	13.3
Electrical, electronics, communications and computer engineering	21,690	636	2.9	1,384	6.4	1,306	6.0	85	0.4	15,475	71.3	2,804	12.9
Industrial, manufacturing, systems engineering and operations research	6,093	207	3.4	319	5.2	267	4.4	42	0.7	4,202	69.0	1,056	17.3
Mechanical engineering	9,748	317	3.3	1,433	14.7	855	8.8	100	1.0	5,502	56.4	1,541	15.8
Metallurgical, mining, materials and related engineering fields	1,552	83	5.3	407	26.2	94	6.1	7	0.5	789	50.8	172	11.1
Other engineering	8,317	353	4.2	701	8.4	326	3.9	152	1.8	5,882	70.7	903	10.9
Health	40,398	1,225	3.0	1,686	4.2	1,782	4.4	509	1.3	28,558	70.7	6,638	16.4
Clinical medicine ^a	15,867	736	4.6	851	5.4	567	3.6	297	1.9	10,518	66.3	2,898	18.3
Other health	24,531	489	2.0	835	3.4	1,215	5.0	212	0.9	18,040	73.5	3,740	15.2
Doctoral students	274,601	41,065	15.0	114,072	41.5	64,466	23.5	9,675	3.5	24,081	8.8	21,242	7.7
Science	194,145	30,324	15.6	71,897	37.0	52,885	27.2	8,181	4.2	16,401	8.4	14,457	7.4
Agricultural and veterinary sciences	4,359	346	7.9	3,024	69.4	519	11.9	20	0.5	242	5.6	208	4.8
Biological and biomedical sciences	58,675	10,659	18.2	27,639	47.1	7,766	13.2	5,728	9.8	2,402	4.1	4,481	7.6
Computer and information sciences	20,604	2,573	12.5	9,091	44.1	5,301	25.7	310	1.5	2,080	10.1	1,249	6.1
Geosciences, atmospheric, and ocean sciences	6,266	994	15.9	3,206	51.2	1,392	22.2	76	1.2	293	4.7	305	4.9
Mathematics and statistics	12,935	1,659	12.8	2,306	17.8	7,422	57.4	148	1.1	698	5.4	702	5.4
Multidisciplinary and interdisciplinary sciences	4,362	1,103	25.3	1,299	29.8	1,019	23.4	83	1.9	453	10.4	405	9.3
Natural resources and conservation	3,461	534	15.4	1,577	45.6	746	21.6	26	0.8	347	10.0	231	6.7
Physical sciences	37,071	4,425	11.9	15,666	42.3	13,158	35.5	557	1.5	1,281	3.5	1,984	5.4
Psychology	18,553	1,734	9.3	3,901	21.0	4,949	26.7	510	2.7	5,291	28.5	2,168	11.7
Social sciences	27,859	6,297	22.6	4,188	15.0	10,613	38.1	723	2.6	3,314	11.9	2,724	9.8
Engineering	67,740	9,599	14.2	38,425	56.7	9,726	14.4	851	1.3	4,118	6.1	5,021	7.4
Aerospace, aeronautical, and astronautical engineering	2,668	330	12.4	1,476	55.3	391	14.7	23	0.9	225	8.4	223	8.4
Biological, biomedical, and biosystems engineering	9,649	2,050	21.2	5,020	52.0	737	7.6	461	4.8	361	3.7	1,020	10.6
Chemical, petroleum, and chemical-related engineering	7,565	1,275	16.9	4,763	63.0	945	12.5	47	0.6	236	3.1	299	4.0
Civil, environmental, transportation and related engineering fields	6,971	800	11.5	4,066	58.3	1,069	15.3	50	0.7	485	7.0	501	7.2
Electrical, electronics, communications and computer engineering	15,553	1,930	12.4	8,549	55.0	2,564	16.5	109	0.7	1,135	7.3	1,266	8.1
Industrial, manufacturing, systems engineering and operations research	3,175	414	13.0	1,366	43.0	733	23.1	5	0.2	342	10.8	315	9.9
Mechanical engineering	10,695	1,311	12.3	6,071	56.8	2,022	18.9	69	0.6	612	5.7	610	5.7
Metallurgical, mining, materials and related engineering fields	4,501	632	14.0	2,842	63.1	467	10.4	41	0.9	231	5.1	288	6.4
Other engineering	6,963	857	12.3	4,272	61.4	798	11.5	46	0.7	491	7.1	499	7.2

Table 3-5. Primary mechanism of support for full-time graduate students in science, engineering, and health, by broad field: 2024

(Number and percent)

Broad field	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
Health	12,716	1,142	9.0	3,750	29.5	1,855	14.6	643	5.1	3,562	28.0	1,764	13.9
Clinical medicine ^a	3,808	334	8.8	1,216	31.9	442	11.6	328	8.6	826	21.7	662	17.4
Other health	8,908	808	9.1	2,534	28.4	1,413	15.9	315	3.5	2,736	30.7	1,102	12.4

^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.

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
All institutions ^a	-	818,078	564,367	176,012	77,699	-	596,638	411,924	131,600	53,114	-	221,440	152,443	44,412	24,585
Georgia Institute of Technology	1	20,897	16,127	4,728	42	9	6,943	3,244	3,680	19	1	13,954	12,883	1,048	23
Johns Hopkins U.	2	14,849	9,289	4,319	1,241	14	6,488	4,376	1,620	492	2	8,361	4,913	2,699	749
Arizona State U.	3	13,928	9,791	3,906	231	7	8,338	5,657	2,507	174	3	5,590	4,134	1,399	57
Northeastern U.	4	11,739	5,129	6,203	407	1	11,124	4,755	5,979	390	84	615	374	224	17
U. Michigan	5	11,521	6,165	4,602	754	2	10,121	5,530	3,863	728	33	1,400	635	739	26
U. Illinois, Urbana-Champaign	6	11,154	7,661	3,260	233	3	9,345	6,207	2,911	227	21	1,809	1,454	349	6
Columbia U. in the City of New York	7	11,137	7,485	2,877	775	6	8,366	5,826	1,882	658	9	2,771	1,659	995	117
New York U.	8	10,523	8,349	1,838	336	4	8,755	6,769	1,726	260	24	1,768	1,580	112	76
U. Southern California	9	10,398	6,697	2,983	718	5	8,589	5,827	2,190	572	21	1,809	870	793	146
Purdue U.	10	9,910	3,847	5,581	482	18	6,098	2,820	2,909	369	6	3,812	1,027	2,672	113
Liberty U.	11	9,658	8,379	47	1,232	31	4,763	4,062	37	664	4	4,895	4,317	10	568
U. Texas, Austin	12	9,114	6,751	1,958	405	25	5,137	3,119	1,702	316	5	3,977	3,632	256	89
Texas A&M U.	13	9,039	5,175	3,477	387	8	7,240	4,173	2,717	350	23	1,799	1,002	760	37
U. Washington	14	8,882	5,604	2,286	992	10	6,862	4,453	1,600	809	16	2,020	1,151	686	183
U. Florida	15	8,719	6,029	2,043	647	21	5,642	3,737	1,433	472	7	3,077	2,292	610	175
U. California, Berkeley	16	7,726	5,201	2,162	363	16	6,285	4,045	2,146	94	31	1,441	1,156	16	269
U. Colorado	17	7,513	4,470	2,361	682	13	6,533	4,088	1,909	536	48	980	382	452	146
Pennsylvania State U.	18	7,344	4,498	2,631	215	24	5,237	3,357	1,696	184	14	2,107	1,141	935	31
U. Wisconsin-Madison	19	7,111	5,019	1,576	516	19	5,839	4,198	1,268	373	37	1,272	821	308	143
U. Maryland, The	20	6,994	4,422	1,696	876	21	5,642	3,776	1,340	526	34	1,352	646	356	350
Stanford U.	21	6,970	4,184	2,537	249	12	6,684	4,058	2,407	219	177	286	126	130	30
Boston U.	22	6,871	4,872	1,044	955	30	4,767	3,335	886	546	15	2,104	1,537	158	409
U. California, Los Angeles	23	6,744	3,926	2,189	629	11	6,744	3,926	2,189	629	568	0	0	0	0
U. North Texas, Denton	24	6,557	5,746	566	245	32	4,707	4,077	412	218	20	1,850	1,669	154	27
Cornell U.	25	6,555	4,279	2,111	165	15	6,415	4,153	2,109	153	300	140	126	2	12
Carnegie Mellon U.	26	6,459	3,708	2,751	0	17	6,276	3,610	2,666	0	247	183	98	85	0
North Carolina State U.	27	6,097	3,555	2,542	0	27	5,036	3,025	2,011	0	43	1,061	530	531	0
U. California, San Diego	28	6,065	3,986	2,063	16	20	5,779	3,836	1,927	16	177	286	150	136	0
U. Minnesota	29	5,969	3,916	1,283	770	23	5,462	3,650	1,202	610	117	507	266	81	160
George Washington U.	30	5,849	3,768	635	1,446	50	3,103	2,446	242	415	10	2,746	1,322	393	1,031
Virginia Polytechnic Institute and State U.	31	5,608	3,360	2,189	59	35	4,277	2,456	1,768	53	36	1,331	904	421	6
Indiana U.	32	5,570	4,274	138	1,158	39	3,841	2,957	70	814	25	1,729	1,317	68	344
Ohio State U.	33	5,457	3,145	1,742	570	28	4,903	2,904	1,575	424	97	554	241	167	146
U. Chicago	34	5,406	5,050	356	0	29	4,832	4,483	349	0	93	574	567	7	0
George Mason U.	35	5,237	4,252	606	379	44	3,386	2,833	359	194	19	1,851	1,419	247	185
SUNY, U. Buffalo	36	5,133	3,161	1,536	436	33	4,392	2,865	1,155	372	71	741	296	381	64

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Massachusetts Institute of Technology	37	5,120	2,702	2,418	0	26	5,056	2,700	2,356	0	394	64	2	62	0
U. Cincinnati	38	5,005	2,974	961	1,070	69	2,590	1,659	567	364	12	2,415	1,315	394	706
Northwestern U.	39	4,921	3,415	1,302	204	34	4,316	2,962	1,209	145	87	605	453	93	59
U. South Florida, Tampa	40	4,559	2,728	660	1,171	46	3,348	2,230	529	589	38	1,211	498	131	582
U. North Carolina, Chapel Hill	41	4,489	2,827	60	1,602	38	3,930	2,701	59	1,170	95	559	126	1	432
U. Texas, Dallas	42	4,482	3,269	1,000	213	40	3,601	2,663	733	205	56	881	606	267	8
Harvard U.	43	4,445	3,215	522	708	37	4,098	3,106	516	476	162	347	109	6	232
National U.	44	4,431	4,214	0	217	51	3,092	2,930	0	162	35	1,339	1,284	0	55
U. California, Davis	45	4,336	3,141	950	245	36	4,244	3,115	893	236	351	92	26	57	9
U. Arizona	46	4,333	3,145	671	517	58	2,885	2,159	397	329	30	1,448	986	274	188
Rutgers, State U. New Jersey	47	4,200	3,315	829	56	41	3,528	2,823	649	56	78	672	492	180	0
U. Georgia	48	4,154	3,346	206	602	42	3,487	2,806	194	487	79	667	540	12	115
U. Illinois, Chicago	49	4,146	2,025	769	1,352	48	3,179	1,617	586	976	49	967	408	183	376
U. Texas, Arlington	50	4,029	2,580	1,337	112	59	2,862	1,957	848	57	39	1,167	623	489	55
U. Utah	51	3,972	2,630	907	435	62	2,816	1,956	573	287	40	1,156	674	334	148
U. Central Florida	52	3,969	1,984	1,459	526	70	2,565	1,423	782	360	32	1,404	561	677	166
U. Pittsburgh	53	3,967	2,576	816	575	43	3,432	2,301	672	459	103	535	275	144	116
Colorado State U., Fort Collins	54	3,960	2,950	963	47	101	1,681	1,349	301	31	13	2,279	1,601	662	16
Auburn U.	55	3,870	2,662	1,073	135	89	1,951	1,199	649	103	18	1,919	1,463	424	32
Michigan State U.	56	3,860	2,860	656	344	53	3,056	2,325	515	216	63	804	535	141	128
Washington U., Saint Louis	57	3,729	2,350	1,105	274	45	3,367	2,184	937	246	156	362	166	168	28
San Jose State U.	58	3,707	1,876	1,570	261	77	2,220	1,089	970	161	29	1,487	787	600	100
Texas Tech U.	59	3,702	2,668	766	268	56	3,001	2,210	573	218	76	701	458	193	50
U. Massachusetts, Amherst	60	3,641	2,697	634	310	57	2,890	2,197	540	153	69	751	500	94	157
Florida State U.	61	3,551	2,815	459	277	71	2,520	2,051	328	141	44	1,031	764	131	136
U. Houston	62	3,517	1,800	1,523	194	64	2,747	1,401	1,168	178	66	770	399	355	16
U. Connecticut	63	3,448	2,071	987	390	65	2,742	1,735	692	315	74	706	336	295	75
U. Tennessee, Knoxville	64	3,382	1,955	1,091	336	97	1,758	1,045	538	175	27	1,624	910	553	161
Florida Institute of Technology	65	3,365	2,890	475	0	192	738	412	326	0	11	2,627	2,478	149	0
U. Central Missouri	66	3,348	3,213	63	72	59	2,862	2,739	55	68	120	486	474	8	4
Georgetown U.	67	3,345	3,227	0	118	61	2,834	2,758	0	76	115	511	469	0	42
U. California, Irvine	68	3,315	2,114	1,201	0	49	3,121	2,009	1,112	0	235	194	105	89	0
Oregon State U.	69	3,313	2,254	709	350	73	2,419	1,655	604	160	54	894	599	105	190
SUNY, Stony Brook U.	70	3,302	2,437	621	244	55	3,045	2,318	542	185	192	257	119	79	59
Saint Louis U.	71	3,292	2,704	117	471	52	3,082	2,506	111	465	222	210	198	6	6
Nova Southeastern U.	72	3,206	2,220	0	986	111	1,570	864	0	706	26	1,636	1,356	0	280
Duke U.	73	3,198	2,210	915	73	47	3,198	2,210	915	73	568	0	0	0	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Illinois Institute of Technology	74	3,164	2,447	688	29	74	2,412	1,863	544	5	68	752	584	144	24
U. Pennsylvania	75	3,124	2,310	768	46	54	3,055	2,270	740	45	385	69	40	28	1
Lamar U.	76	3,094	2,475	398	221	88	1,964	1,556	275	133	41	1,130	919	123	88
U. Virginia	77	3,052	1,931	934	187	66	2,640	1,696	767	177	133	412	235	167	10
Stevens Institute of Technology	78	3,000	1,707	1,293	0	81	2,136	1,345	791	0	59	864	362	502	0
Iowa State U.	79	2,939	1,885	1,024	30	75	2,392	1,502	864	26	99	547	383	160	4
Brown U.	80	2,928	2,422	404	102	63	2,809	2,324	385	100	319	119	98	19	2
Pepperdine U.	81	2,905	2,905	0	0	157	972	972	0	0	17	1,933	1,933	0	0
U. Maryland Global Campus	82	2,903	2,903	0	0	499	55	55	0	0	8	2,848	2,848	0	0
Clemson U.	83	2,880	1,695	1,095	90	79	2,176	1,200	920	56	75	704	495	175	34
U. Alabama, Birmingham	84	2,775	1,614	580	581	95	1,768	1,306	244	218	45	1,007	308	336	363
U. Delaware	85	2,659	1,924	650	85	72	2,442	1,750	612	80	217	217	174	38	5
Tufts U.	86	2,648	2,136	386	126	82	2,120	1,737	301	82	108	528	399	85	44
Princeton U.	87	2,620	1,967	653	0	67	2,617	1,967	650	0	543	3	0	3	0
Yale U.	88	2,598	1,933	414	251	68	2,594	1,930	413	251	540	4	3	1	0
Georgia State U.	89	2,566	1,979	91	496	80	2,162	1,769	82	311	138	404	210	9	185
Florida International U.	90	2,546	1,722	449	375	86	2,016	1,413	355	248	106	530	309	94	127
U. Oklahoma	91	2,536	1,730	717	89	93	1,790	1,277	453	60	70	746	453	264	29
Drexel U.	92	2,507	1,809	529	169	108	1,588	1,099	390	99	51	919	710	139	70
U. at Albany	93	2,466	2,051	167	248	119	1,481	1,261	103	117	47	985	790	64	131
Syracuse U.	94	2,415	2,063	313	39	85	2,035	1,743	260	32	147	380	320	53	7
Florida Atlantic U.	95	2,397	1,897	352	148	108	1,588	1,294	204	90	62	809	603	148	58
Rice U.	96	2,366	1,593	773	0	84	2,063	1,319	744	0	173	303	274	29	0
U. California, Riverside	97	2,341	1,712	614	15	78	2,194	1,687	492	15	285	147	25	122	0
Case Western Reserve U.	98	2,298	1,366	631	301	87	2,013	1,192	563	258	181	285	174	68	43
Louisiana State U.	99	2,294	1,553	563	178	90	1,911	1,384	390	137	146	383	169	173	41
New Jersey Institute of Technology	100	2,290	1,583	670	37	102	1,677	1,228	418	31	85	613	355	252	6
U. Kansas	101	2,288	1,598	387	303	92	1,823	1,300	308	215	126	465	298	79	88
U. California, Santa Barbara	102	2,265	1,762	503	0	76	2,265	1,762	503	0	568	0	0	0	0
U. North Carolina, Charlotte	102	2,265	1,685	405	175	112	1,564	1,138	282	144	76	701	547	123	31
Northern Arizona U.	104	2,208	1,879	79	250	120	1,479	1,288	65	126	73	729	591	14	124
U. Missouri, Columbia	105	2,177	1,572	296	309	128	1,337	1,021	147	169	60	840	551	149	140
U. Kentucky	106	2,166	1,439	370	357	91	1,880	1,280	318	282	177	286	159	52	75
Vanderbilt U.	107	2,151	1,694	413	44	83	2,076	1,632	402	42	376	75	62	11	2
Mississippi State U.	108	2,139	1,376	686	77	141	1,209	882	273	54	50	930	494	413	23
U. Texas, San Antonio	109	2,135	1,523	487	125	131	1,300	931	286	83	61	835	592	201	42
DePaul U.	110	2,071	1,765	61	245	106	1,602	1,338	39	225	124	469	427	22	20

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Wayne State U.	111	2,063	1,240	388	435	115	1,532	973	247	312	105	531	267	141	123
U. New Mexico	112	2,062	1,175	599	288	121	1,477	888	387	202	91	585	287	212	86
U. Nebraska-Lincoln	113	2,050	1,434	552	64	110	1,577	1,113	402	62	122	473	321	150	2
Oklahoma State U.	114	2,046	1,405	501	140	117	1,517	1,083	332	102	107	529	322	169	38
San Diego State U.	114	2,046	1,253	394	399	118	1,498	925	201	372	98	548	328	193	27
Eastern U.	116	2,023	2,023	0	0	239	495	495	0	0	28	1,528	1,528	0	0
U. Miami	117	1,982	1,552	316	114	94	1,784	1,414	282	88	233	198	138	34	26
SUNY, Binghamton U.	118	1,951	1,263	622	66	98	1,757	1,150	548	59	235	194	113	74	7
Old Dominion U. ^b	119	1,948	1,064	703	181	182	828	534	159	135	42	1,120	530	544	46
U. South Carolina	120	1,945	1,149	358	438	114	1,534	969	299	266	135	411	180	59	172
Pace U.	121	1,942	1,892	28	22	125	1,397	1,369	13	15	101	545	523	15	7
U. Iowa	122	1,940	1,317	288	335	96	1,763	1,199	263	301	256	177	118	25	34
U. Texas Health Science Center, Houston	123	1,928	1,172	37	719	145	1,162	847	35	280	67	766	325	2	439
Teachers C., Columbia U.	124	1,908	1,760	0	148	113	1,560	1,479	0	81	161	348	281	0	67
U. New Haven	125	1,901	1,090	780	31	105	1,636	955	650	31	190	265	135	130	0
CUNY Graduate Center	126	1,867	1,828	0	39	107	1,600	1,562	0	38	188	267	266	0	1
Kennesaw State U.	127	1,826	1,218	462	146	160	952	725	191	36	58	874	493	271	110
Harrisburg U. of Science and Technology	128	1,817	1,248	311	258	99	1,752	1,198	302	252	393	65	50	9	6
Rochester Institute of Technology	129	1,803	1,323	466	14	123	1,458	1,090	368	0	164	345	233	98	14
U. Notre Dame	130	1,785	1,041	744	0	100	1,702	967	735	0	365	83	74	9	0
U. Massachusetts, Lowell	131	1,775	964	678	133	172	877	500	313	64	53	898	464	365	69
U. Rochester	132	1,754	1,397	289	68	103	1,651	1,338	285	28	334	103	59	4	40
West Virginia U.	133	1,748	1,027	426	295	129	1,328	801	306	221	132	420	226	120	74
U. Hawaii, Manoa	134	1,747	1,302	266	179	122	1,476	1,133	228	115	187	271	169	38	64
U. Denver	135	1,746	1,466	110	170	138	1,249	1,091	47	111	119	497	375	63	59
California State U., Northridge	136	1,714	481	426	807	193	716	260	218	238	46	998	221	208	569
U. California, Santa Cruz	137	1,698	1,585	113	0	104	1,648	1,547	101	0	423	50	38	12	0
U. Memphis	138	1,696	1,320	217	159	146	1,137	900	125	112	95	559	420	92	47
Emory U.	139	1,695	1,314	268	113	116	1,531	1,312	129	90	269	164	2	139	23
U. Arkansas, Fayetteville	140	1,684	937	596	151	152	1,078	746	244	88	86	606	191	352	63
U. Alabama, Tuscaloosa	141	1,674	911	520	243	134	1,286	773	338	175	145	388	138	182	68
Kansas State U.	142	1,652	1,327	213	112	148	1,126	920	147	59	109	526	407	66	53
Colorado School of Mines	143	1,650	590	1,060	0	130	1,310	498	812	0	167	340	92	248	0
Worcester Polytechnic Institute	144	1,648	671	976	1	174	846	392	453	1	64	802	279	523	0
U. Wisconsin-Milwaukee	145	1,643	1,123	174	346	127	1,366	918	157	291	185	277	205	17	55
Temple U.	146	1,619	1,232	154	233	137	1,267	981	125	161	160	352	251	29	72
Washington State U.	147	1,609	1,142	380	87	126	1,389	1,004	310	75	216	220	138	70	12

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Kent State U.	148	1,605	1,192	65	348	139	1,232	967	57	208	151	373	225	8	140
California State U., Fullerton	149	1,600	952	483	165	199	695	445	116	134	52	905	507	367	31
U. Louisville	150	1,574	645	648	281	153	1,055	490	334	231	110	519	155	314	50
Virginia Commonwealth U.	151	1,563	876	289	398	142	1,170	665	168	337	144	393	211	121	61
Texas State U.	152	1,538	1,169	183	186	132	1,292	958	156	178	201	246	211	27	8
U. Nevada, Reno	153	1,534	1,123	244	167	144	1,166	842	212	112	153	368	281	32	55
Long Island U.	154	1,525	976	4	545	135	1,273	811	4	458	195	252	165	0	87
U. Maryland, Baltimore County	155	1,521	1,297	224	0	150	1,100	945	155	0	131	421	352	69	0
New Mexico State U.	156	1,494	979	339	176	156	980	684	193	103	113	514	295	146	73
Tulane U.	157	1,490	1,044	98	348	135	1,273	997	88	188	217	217	47	10	160
U. Massachusetts, Boston	158	1,466	1,220	0	246	173	863	806	0	57	88	603	414	0	189
Rowan U.	159	1,462	1,005	321	136	147	1,128	740	270	118	168	334	265	51	18
California Institute of Technology	160	1,443	882	561	0	124	1,443	882	561	0	568	0	0	0	0
American U.	161	1,440	1,419	0	21	158	971	963	0	8	124	469	456	0	13
California State U., Long Beach	162	1,426	913	359	154	186	797	506	184	107	81	629	407	175	47
Wright State U.	163	1,404	994	362	48	140	1,213	886	282	45	241	191	108	80	3
U. Texas, El Paso	164	1,394	674	568	152	169	894	440	344	110	118	500	234	224	42
Baylor U.	165	1,385	871	97	417	142	1,170	781	96	293	220	215	90	1	124
U. Nevada, Las Vegas	166	1,340	877	206	257	163	939	657	132	150	139	401	220	74	107
Albizu U.-San Juan	167	1,333	1,054	0	279	154	1,047	866	0	181	177	286	188	0	98
Southern Methodist U.	168	1,295	836	459	0	197	699	504	195	0	89	596	332	264	0
U. California, San Francisco	169	1,294	778	144	372	133	1,290	778	143	369	540	4	0	1	3
Naval Postgraduate School	170	1,288	530	758	0	164	933	529	404	0	158	355	1	354	0
U. Illinois, Springfield	171	1,283	1,108	0	175	181	832	711	0	121	129	451	397	0	54
Ohio U.	172	1,261	851	231	179	191	746	559	118	69	112	515	292	113	110
Missouri U. of Science and Technology	173	1,255	517	738	0	162	948	423	525	0	172	307	94	213	0
Cleveland State U.	174	1,232	648	518	66	165	921	484	371	66	171	311	164	147	0
U. North Carolina, Greensboro	175	1,230	748	0	482	201	688	387	0	301	102	542	361	0	181
Northern Illinois U.	176	1,227	831	138	258	195	711	576	68	67	111	516	255	70	191
Santa Clara U.	177	1,224	620	604	0	184	815	373	442	0	136	409	247	162	0
Texas Woman's U.	178	1,212	804	0	408	248	478	269	0	209	72	734	535	0	199
Central Michigan U.	179	1,210	1,079	16	115	159	967	855	7	105	202	243	224	9	10
California Baptist U.	180	1,197	1,016	0	181	161	949	834	0	115	199	248	182	0	66
Boston C.	181	1,185	1,165	0	20	155	1,031	1,012	0	19	277	154	153	0	1
U. Rhode Island	182	1,181	698	257	226	185	801	470	172	159	147	380	228	85	67
Michigan Technological U.	183	1,179	511	597	71	180	834	387	400	47	164	345	124	197	24
U. North Dakota	184	1,174	672	369	133	204	640	360	198	82	104	534	312	171	51

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Texas Rio Grande Valley	185	1,165	720	192	253	224	570	403	133	34	90	595	317	59	219
North Dakota State U.	186	1,164	851	270	43	189	770	570	175	25	143	394	281	95	18
U. Oregon	187	1,163	1,083	0	80	149	1,105	1,028	0	77	402	58	55	0	3
Brigham Young U.	188	1,152	676	364	112	242	492	293	118	81	80	660	383	246	31
U. San Diego	189	1,142	837	127	178	340	249	230	0	19	55	893	607	127	159
Dartmouth C.	190	1,138	638	355	145	151	1,097	638	317	142	437	41	0	38	3
Northwest Missouri State U.	191	1,136	1,136	0	0	296	356	356	0	0	65	780	780	0	0
U. Idaho	192	1,122	895	218	9	216	612	511	92	9	116	510	384	126	0
Utah State U.	193	1,118	658	346	114	239	495	256	177	62	82	623	402	169	52
U. Missouri, Kansas City	194	1,104	881	169	54	188	776	643	105	28	169	328	238	64	26
Lehigh U.	195	1,080	612	465	3	168	904	541	360	3	257	176	71	105	0
U. Alabama, Huntsville	196	1,079	457	606	16	259	459	280	176	3	83	620	177	430	13
Miami U.	197	1,076	940	36	100	232	530	405	33	92	100	546	535	3	8
U. Bridgeport	198	1,062	721	112	229	198	697	556	83	58	154	365	165	29	171
U. West Florida	198	1,062	909	40	113	379	182	154	6	22	57	880	755	34	91
Southern Illinois U., Carbondale	200	1,058	719	179	160	166	913	634	154	125	289	145	85	25	35
U. New Hampshire	200	1,058	798	199	61	169	894	675	167	52	269	164	123	32	9
Brandeis U.	202	1,023	1,023	0	0	176	842	842	0	0	251	181	181	0	0
U. Massachusetts, Dartmouth	202	1,023	804	192	27	211	627	518	109	0	141	396	286	83	27
U. Maine	204	1,017	723	261	33	183	820	599	188	33	234	197	124	73	0
Western Michigan U.	205	1,014	706	182	126	171	893	635	154	104	316	121	71	28	22
Portland State U.	206	1,011	814	110	87	220	603	487	49	67	137	408	327	61	20
Clark U.	207	1,008	1,008	0	0	176	842	842	0	0	265	166	166	0	0
Troy U.	208	1,005	972	0	33	264	427	414	0	13	92	578	558	0	20
U. Wyoming	209	1,003	735	180	88	179	841	619	163	59	273	162	116	17	29
U. San Francisco	210	998	944	0	54	213	622	593	0	29	150	376	351	0	25
U. Dayton	211	989	515	474	0	176	842	451	391	0	285	147	64	83	0
U. Toledo	211	989	607	194	188	203	664	436	111	117	170	325	171	83	71
Claremont Graduate U.	213	981	736	0	245	234	520	422	0	98	127	461	314	0	147
Antioch U.	214	978	978	0	0	167	905	905	0	0	379	73	73	0	0
Wichita State U.	215	973	548	362	63	231	531	322	153	56	130	442	226	209	7
Georgia Southern U.	216	959	415	121	423	217	605	267	75	263	159	354	148	46	160
Loyola U., Chicago	217	931	741	17	173	200	691	602	10	79	204	240	139	7	94
Montana State U.	218	917	732	185	0	187	779	613	166	0	302	138	119	19	0
Rensselaer Polytechnic Institute	219	899	378	521	0	174	846	357	489	0	415	53	21	32	0
Yeshiva U.	220	884	634	0	250	208	634	437	0	197	198	250	197	0	53
California State U., Sacramento	221	882	541	220	121	292	368	187	88	93	113	514	354	132	28

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Vermont	222	868	604	139	125	196	700	506	119	75	262	168	98	20	50
California State Polytechnic U., Pomona	223	861	507	354	0	217	605	413	192	0	193	256	94	162	0
Sam Houston State U.	224	854	765	0	89	283	399	354	0	45	128	455	411	0	44
New School	225	839	839	0	0	194	715	715	0	0	313	124	124	0	0
U. Mississippi	226	821	512	81	228	190	752	467	80	205	385	69	45	1	23
Oakland U.	226	821	378	343	100	251	474	270	153	51	162	347	108	190	49
North Carolina Agricultural and Technical State U.	228	815	416	399	0	226	549	297	252	0	189	266	119	147	0
Lewis U.	229	808	725	19	64	205	639	557	19	63	261	169	168	0	1
U. Southern Mississippi	230	806	591	61	154	212	625	459	59	107	251	181	132	2	47
Texas A&M U.-Kingsville	231	799	488	221	90	217	605	386	137	82	235	194	102	84	8
U. Houston-Clear Lake	232	784	687	82	15	266	423	393	28	2	157	361	294	54	13
National Louis U.	233	781	781	0	0	210	628	628	0	0	280	153	153	0	0
Barry U.	234	777	706	0	71	242	492	473	0	19	181	285	233	0	52
Southeast Missouri State U.	235	770	723	0	47	215	620	585	0	35	284	150	138	0	12
Ball State U.	236	766	693	0	73	294	365	303	0	62	139	401	390	0	11
U. Nebraska, Omaha	237	759	759	0	0	301	347	347	0	0	133	412	412	0	0
Southern Illinois U., Edwardsville	238	754	383	293	78	245	479	187	225	67	186	275	196	68	11
East Carolina U.	238	754	463	35	256	254	469	321	17	131	181	285	142	18	125
U. Louisiana, Lafayette	240	753	482	174	97	207	636	401	145	90	322	117	81	29	7
California Institute of Integral Studies	241	744	744	0	0	230	534	534	0	0	222	210	210	0	0
Fairleigh Dickinson U.	242	743	704	6	33	223	576	548	4	24	263	167	156	2	9
Tarleton State U.	243	732	620	23	89	333	262	229	11	22	123	470	391	12	67
Grand Valley State U.	244	725	512	55	158	233	522	348	25	149	229	203	164	30	9
U. Northern Colorado	245	714	473	0	241	304	345	228	0	117	152	369	245	0	124
Marquette U.	246	713	405	157	151	259	459	256	93	110	194	254	149	64	41
Texas A&M U.-Corpus Christi	247	709	613	18	78	227	547	531	13	3	273	162	82	5	75
Southern Arkansas U.	247	709	709	0	0	355	225	225	0	0	121	484	484	0	0
South Dakota State U.	249	705	515	166	24	239	495	352	131	12	222	210	163	35	12
California State U., Los Angeles	250	703	539	164	0	277	412	339	73	0	175	291	200	91	0
Fordham U.	251	695	678	0	17	235	513	501	0	12	249	182	177	0	5
Towson U.	252	680	555	0	125	261	453	334	0	119	214	227	221	0	6
California State U., San Bernardino	253	676	644	0	32	221	588	558	0	30	358	88	86	0	2
Oregon Health and Science U.	254	675	335	111	229	228	545	301	111	133	309	130	34	0	96
U. California, Merced	255	674	466	188	20	202	668	466	182	20	530	6	0	6	0
U. Puerto Rico, Mayaguez	256	668	435	233	0	206	637	416	221	0	459	31	19	12	0
Bowling Green State U.	257	660	524	82	54	248	478	353	71	54	249	182	171	11	0
CUNY, City C.	257	660	380	280	0	266	423	210	213	0	208	237	170	67	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Middle Tennessee State U.	259	659	619	0	40	319	296	271	0	25	155	363	348	0	15
U. South Dakota	260	652	468	7	177	250	477	390	5	82	258	175	78	2	95
Wake Forest U.	261	650	507	99	44	208	634	503	97	34	491	16	4	2	10
U. of the Pacific	261	650	458	43	149	274	415	276	43	96	210	235	182	0	53
U. Nebraska, Medical Center	263	649	514	0	135	225	564	447	0	117	362	85	67	0	18
U. Puerto Rico, Rio Piedras	264	648	648	0	0	228	545	545	0	0	334	103	103	0	0
U. Texas Medical Branch at Galveston	264	648	202	0	446	269	421	157	0	264	214	227	45	0	182
East Tennessee State U.	266	647	289	0	358	274	415	203	0	212	212	232	86	0	146
Rush U.	267	645	117	0	528	236	511	113	0	398	306	134	4	0	130
Eastern Washington U.	268	644	224	0	420	237	507	175	0	332	303	137	49	0	88
Howard U.	269	637	520	47	70	253	470	372	36	62	263	167	148	11	8
Augusta U.	269	637	435	0	202	280	409	306	0	103	213	228	129	0	99
Boise State U.	271	633	408	182	43	266	423	276	117	30	222	210	132	65	13
Missouri State U.	271	633	545	0	88	302	346	281	0	65	176	287	264	0	23
U. Akron	273	630	323	205	102	245	479	240	163	76	283	151	83	42	26
U. Central Oklahoma	274	624	548	10	66	245	479	428	8	43	289	145	120	2	23
Baylor C. of Medicine	275	622	614	0	8	213	622	614	0	8	568	0	0	0	0
Clarkson U.	276	617	289	324	4	257	463	248	214	1	277	154	41	110	3
Lawrence Technological U.	277	609	282	327	0	526	39	12	27	0	94	570	270	300	0
Texas A&M U.-Commerce	278	604	505	0	99	354	227	186	0	41	149	377	319	0	58
U. Montana	279	600	428	0	172	315	302	208	0	94	174	298	220	0	78
Adelphi U.	280	598	393	0	205	295	357	276	0	81	203	241	117	0	124
Regis U.	281	597	568	0	29	256	465	441	0	24	308	132	127	0	5
California Polytechnic State U., San Luis Obispo	282	594	339	255	0	281	406	220	186	0	245	188	119	69	0
Illinois State U.	283	590	459	0	131	258	460	367	0	93	309	130	92	0	38
San Francisco State U.	283	590	483	107	0	283	399	322	77	0	241	191	161	30	0
U. Texas Southwestern Medical Center	285	588	489	99	0	222	586	487	99	0	549	2	2	0	0
St. Cloud State U.	286	584	362	131	91	265	425	269	71	85	276	159	93	60	6
Fielding Graduate U.	287	582	582	0	0	237	507	507	0	0	376	75	75	0	0
U. Texas, Tyler	288	581	373	98	110	305	342	223	64	55	206	239	150	34	55
U. Alaska, Fairbanks	289	579	507	68	4	347	237	189	44	4	166	342	318	24	0
Idaho State U.	290	577	282	99	196	311	325	183	50	92	195	252	99	49	104
William and Mary	291	572	572	0	0	244	480	480	0	0	351	92	92	0	0
U. South Alabama	292	568	367	138	63	255	468	302	105	61	340	100	65	33	2
Villanova U.	293	559	214	324	21	285	393	186	191	16	265	166	28	133	5
West Chester U. Pennsylvania	294	551	336	0	215	299	350	191	0	159	230	201	145	0	56
Marshall U.	295	544	377	26	141	289	378	234	15	129	265	166	143	11	12

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
California State U., Fresno	296	539	364	76	99	306	340	190	53	97	232	199	174	23	2
Hofstra U.	297	530	358	0	172	263	450	304	0	146	370	80	54	0	26
Morgan State U.	298	526	242	120	164	252	471	214	107	150	411	55	28	13	14
Pennsylvania Western U.	298	526	268	0	258	326	274	81	0	193	195	252	187	0	65
Governors State U.	300	523	344	0	179	286	384	242	0	142	301	139	102	0	37
U. Texas Health Science Center, San Antonio	301	511	243	45	223	271	417	241	27	149	349	94	2	18	74
Dakota State U.	302	507	490	0	17	310	326	312	0	14	251	181	178	0	3
Marymount U.	303	493	473	0	20	298	352	335	0	17	294	141	138	0	3
Embry-Riddle Aeronautical U.	304	487	143	344	0	261	453	130	323	0	451	34	13	21	0
Eastern Michigan U.	305	484	371	0	113	344	244	168	0	76	204	240	203	0	37
California State U., San Marcos	306	470	203	0	267	291	373	135	0	238	344	97	68	0	29
SUNY, Downstate Health Sciences U.	307	469	72	5	392	353	230	69	5	156	206	239	3	0	236
U. Puerto Rico, Medical Sciences Campus	308	468	134	0	334	271	417	114	0	303	420	51	20	0	31
St. John's U., Queens	309	465	293	0	172	297	353	233	0	120	326	112	60	0	52
New York Institute of Technology	310	462	348	91	23	317	298	232	55	11	269	164	116	36	12
CUNY, Queens C.	311	460	388	0	72	325	279	219	0	60	251	181	169	0	12
Seton Hall U.	312	453	269	0	184	332	263	169	0	94	243	190	100	0	90
Southern U. and A&M C.	313	451	360	23	68	339	251	179	11	61	231	200	181	12	7
U. Tulsa	314	448	273	128	47	278	411	246	118	47	445	37	27	10	0
Endicott C.	314	448	427	0	21	505	52	52	0	0	141	396	375	0	21
California State U., East Bay	316	443	357	0	86	292	368	283	0	85	376	75	74	0	1
Roosevelt U.	316	443	443	0	0	306	340	340	0	0	334	103	103	0	0
U. North Texas, Health Science Center	318	442	423	0	19	287	383	364	0	19	400	59	59	0	0
California State U., Chico	319	440	349	8	83	312	322	244	4	74	321	118	105	4	9
Palo Alto U.	320	439	439	0	0	279	410	410	0	0	462	29	29	0	0
CUNY, Baruch C.	321	437	396	41	0	342	245	218	27	0	239	192	178	14	0
U. North Carolina, Wilmington	322	432	432	0	0	300	349	349	0	0	365	83	83	0	0
Loma Linda U.	323	427	169	0	258	308	329	151	0	178	342	98	18	0	80
U. North Florida	324	424	286	39	99	323	283	196	20	67	294	141	90	19	32
Icahn School of Medicine at Mt. Sinai	325	421	421	0	0	269	421	421	0	0	568	0	0	0	0
Meharry Medical C.	326	416	308	0	108	273	416	308	0	108	568	0	0	0	0
Pontifical Catholic U. Puerto Rico	326	416	377	0	39	359	211	179	0	32	228	205	198	0	7
U. Massachusetts Chan Medical School	328	413	413	0	0	276	413	413	0	0	568	0	0	0	0
Southern Connecticut State U.	329	412	208	12	192	329	269	115	6	148	293	143	93	6	44
Uniformed Services U. of the Health Sciences	330	408	136	0	272	282	400	136	0	264	525	8	0	0	8
Murray State U.	331	404	353	0	51	302	346	295	0	51	402	58	58	0	0
Seattle U.	332	400	382	18	0	371	191	188	3	0	226	209	194	15	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Appalachian State U.	333	398	305	0	93	314	309	225	0	84	356	89	80	0	9
Gannon U.	334	396	320	76	0	316	299	236	63	0	344	97	84	13	0
Eastern Kentucky U.	334	396	273	0	123	383	180	76	0	104	219	216	197	0	19
Tennessee State U.	336	395	243	68	84	337	254	153	50	51	294	141	90	18	33
Northern Kentucky U.	337	393	148	0	245	427	114	52	0	62	184	279	96	0	183
Columbus State U.	338	391	381	10	0	404	144	138	6	0	200	247	243	4	0
Touro U.	339	387	302	0	85	313	311	228	0	83	374	76	74	0	2
Albert Einstein C. of Medicine	340	379	340	0	39	288	379	340	0	39	568	0	0	0	0
Angelo State U.	341	376	366	0	10	392	162	154	0	8	221	214	212	0	2
Scripps Research Institute	342	375	375	0	0	290	375	375	0	0	568	0	0	0	0
Texas A&M U., San Antonio	343	373	356	0	17	383	180	172	0	8	238	193	184	0	9
A. T. Still U.	344	372	42	0	330	347	237	36	0	201	305	135	6	0	129
Western Kentucky U.	345	367	154	0	213	336	259	82	0	177	330	108	72	0	36
New Mexico Institute of Mining and Technology	346	359	142	217	0	327	273	121	152	0	361	86	21	65	0
North Carolina Central U.	347	358	253	0	105	333	262	160	0	102	346	96	93	0	3
Mayo Clinic, Mayo Graduate School	348	356	301	50	5	320	289	242	47	0	390	67	59	3	5
Louisiana Tech U.	348	356	202	112	42	321	285	149	94	42	381	71	53	18	0
Medical C. Wisconsin	350	355	261	48	46	309	327	251	47	29	465	28	10	1	17
South Dakota School of Mines and Technology	351	354	115	239	0	330	266	95	171	0	358	88	20	68	0
CUNY, John Jay C. of Criminal Justice	352	353	353	0	0	352	231	231	0	0	314	122	122	0	0
CUNY, Brooklyn C.	353	348	263	0	85	346	239	169	0	70	328	109	94	0	15
Tennessee Technological U.	354	344	155	189	0	432	107	51	56	0	208	237	104	133	0
SUNY, C. of Environmental Science and Forestry	355	337	275	62	0	321	285	229	56	0	418	52	46	6	0
Robert Morris U.	356	335	320	0	15	345	243	242	0	1	351	92	78	0	14
U. Arkansas for Medical Sciences	356	335	146	0	189	350	234	118	0	116	338	101	28	0	73
Western Washington U.	358	334	276	0	58	340	249	200	0	49	362	85	76	0	9
New York Medical C.	359	331	169	0	162	351	233	149	0	84	342	98	20	0	78
Florida A&M U.	360	327	201	97	29	328	271	156	88	27	406	56	45	9	2
Catholic U. of America	361	326	211	115	0	330	266	169	97	0	399	60	42	18	0
Kean U.	362	323	222	0	101	338	252	161	0	91	381	71	61	0	10
Stephen F. Austin State U.	363	321	263	0	58	369	195	137	0	58	312	126	126	0	0
Eastern Illinois U.	364	320	233	0	87	365	198	120	0	78	314	122	113	0	9
Jackson State U.	365	319	158	50	111	386	172	93	23	56	285	147	65	27	55
Chapman U.	366	315	192	0	123	347	237	121	0	116	371	78	71	0	7
Saint Joseph's U.	367	313	259	0	54	466	80	66	0	14	211	233	193	0	40
Indiana U. Pennsylvania	368	309	240	0	69	372	188	124	0	64	316	121	116	0	5
Jacksonville U.	369	307	130	0	177	361	203	38	0	165	332	104	92	0	12

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Indiana State U.	370	303	256	0	47	370	194	148	0	46	328	109	108	0	1
Central Connecticut State U.	371	301	276	25	0	425	118	111	7	0	247	183	165	18	0
Rockefeller U.	372	298	298	0	0	317	298	298	0	0	568	0	0	0	0
James Madison U.	372	298	221	0	77	361	203	179	0	24	347	95	42	0	53
Eastern New Mexico U.	374	296	160	0	136	381	181	95	0	86	324	115	65	0	50
U. Tennessee, Chattanooga	375	292	200	47	45	364	200	142	20	38	351	92	58	27	7
Austin Peay State U.	375	292	246	0	46	437	106	66	0	40	246	186	180	0	6
SUNY, Polytechnic Institute	377	290	236	5	49	422	125	106	0	19	268	165	130	5	30
U. New Orleans	378	289	206	83	0	400	148	103	45	0	294	141	103	38	0
Philadelphia C. of Osteopathic Medicine	379	288	288	0	0	335	260	260	0	0	465	28	28	0	0
Polytechnic U. Puerto Rico	379	288	70	218	0	385	174	54	120	0	325	114	16	98	0
U. Tennessee, Health Science Center	381	287	154	7	126	324	281	148	7	126	530	6	6	0	0
U. Missouri, Saint Louis	382	284	267	0	17	416	132	131	0	1	282	152	136	0	16
Northeastern State U.	383	282	203	0	79	388	170	121	0	49	326	112	82	0	30
U. Hartford	384	281	206	75	0	407	140	113	27	0	294	141	93	48	0
U. Michigan, Flint	385	280	129	8	143	367	196	80	5	111	364	84	49	3	32
Midwestern State U.	385	280	280	0	0	374	187	187	0	0	350	93	93	0	0
U. Northern Iowa	387	279	166	0	113	393	159	51	0	108	318	120	115	0	5
Medical U. South Carolina	388	278	177	0	101	356	223	176	0	47	411	55	1	0	54
Northeastern Illinois U.	389	276	217	0	59	452	95	72	0	23	251	181	145	0	36
California State Polytechnic U., Humboldt	390	273	268	5	0	360	205	200	5	0	388	68	68	0	0
Western New England U.	390	273	148	125	0	403	145	43	102	0	311	128	105	23	0
U. Louisiana, Monroe	392	269	182	0	87	379	182	126	0	56	360	87	56	0	31
Framingham State U.	392	269	269	0	0	574	11	11	0	0	191	258	258	0	0
Duquesne U.	394	267	164	7	96	342	245	156	7	82	480	22	8	0	14
William Paterson U.	395	265	157	0	108	375	184	101	0	83	369	81	56	0	25
Benedictine U.	396	262	114	0	148	429	109	68	0	41	280	153	46	0	107
U. Baltimore	397	261	261	0	0	432	107	107	0	0	277	154	154	0	0
Russell Sage C.	398	258	258	0	0	449	97	97	0	0	275	161	161	0	0
U. Nebraska, Kearney	399	256	149	0	107	479	67	21	0	46	244	189	128	0	61
Southeastern Louisiana U.	400	255	117	0	138	372	188	81	0	107	390	67	36	0	31
California State U., Dominguez Hills	401	252	252	0	0	377	183	183	0	0	385	69	69	0	0
Massachusetts C. of Pharmacy and Health Sciences	402	248	107	0	141	393	159	81	0	78	356	89	26	0	63
Bradley U.	403	245	122	123	0	365	198	103	95	0	426	47	19	28	0
Azusa Pacific U.	403	245	162	0	83	377	183	112	0	71	397	62	50	0	12
U. New England	403	245	78	0	167	402	146	46	0	100	341	99	32	0	67
Emporia State U.	406	242	242	0	0	447	98	98	0	0	291	144	144	0	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Central Arkansas	407	241	143	0	98	391	164	73	0	91	372	77	70	0	7
U. Wisconsin-La Crosse	408	238	208	11	19	481	66	53	7	6	259	172	155	4	13
U. of Saint Joseph	409	235	223	0	12	483	64	59	0	5	260	171	164	0	7
Arkansas State U.	410	233	163	16	54	419	129	73	2	54	332	104	90	14	0
Minnesota State U., Mankato	411	230	129	20	81	419	129	57	7	65	338	101	72	13	16
Bowie State U.	412	229	229	0	0	409	137	137	0	0	351	92	92	0	0
Youngstown State U.	413	228	141	87	0	361	203	121	82	0	473	25	20	5	0
Oklahoma City U.	414	227	192	0	35	387	171	167	0	4	406	56	25	0	31
Texas Christian U.	415	226	155	0	71	356	223	153	0	70	543	3	2	0	1
Hood C.	416	225	221	0	4	437	106	103	0	3	319	119	118	0	1
U. West Georgia	416	225	159	0	66	464	81	47	0	34	291	144	112	0	32
Inter American U. Puerto Rico, Metro	418	223	156	0	67	389	169	124	0	45	413	54	32	0	22
Keck Graduate Institute	419	219	157	36	26	358	214	153	36	25	537	5	4	0	1
Loyola Marymount U.	420	218	132	86	0	375	184	122	62	0	451	34	10	24	0
Simmons U.	421	217	192	0	25	576	9	6	0	3	227	208	186	0	22
Oklahoma State U., Center for Health Sciences	422	216	63	0	153	548	24	22	0	2	239	192	41	0	151
Citadel Military C. South Carolina	423	209	158	37	14	488	62	52	2	8	285	147	106	35	6
Midwestern U.	424	207	207	0	0	381	181	181	0	0	471	26	26	0	0
U. of the District of Columbia	424	207	154	24	29	390	165	115	22	28	436	42	39	2	1
Texas Southern U.	426	203	186	0	17	410	136	122	0	14	390	67	64	0	3
SUNY, Upstate Medical U.	427	202	161	0	41	367	196	157	0	39	530	6	4	0	2
West Texas A&M U.	427	202	75	45	82	408	139	42	21	76	396	63	33	24	6
Weber State U.	427	202	71	52	79	432	107	20	13	74	347	95	51	39	5
U. Houston-Victoria	430	198	198	0	0	463	82	82	0	0	323	116	116	0	0
Montana Technological U.	430	198	36	72	90	497	57	14	32	11	294	141	22	40	79
U. Indianapolis	432	192	93	0	99	460	86	64	0	22	331	106	29	0	77
U. Texas of the Permian Basin	433	191	174	5	12	431	108	97	3	8	365	83	77	2	4
U. Alaska, Anchorage	434	189	121	26	42	460	86	67	6	13	334	103	54	20	29
Fort Hays State U.	435	187	153	0	34	400	148	115	0	33	441	39	38	0	1
Quinnipiac U.	436	185	185	0	0	415	133	133	0	0	418	52	52	0	0
Stockton U.	436	185	109	0	76	424	121	52	0	69	394	64	57	0	7
Valdosta State U.	438	182	81	0	101	398	151	51	0	100	459	31	30	0	1
Lipscomb U.	439	180	153	0	27	411	135	112	0	23	431	45	41	0	4
U. North Alabama	440	178	111	46	21	524	41	28	0	13	303	137	83	46	8
Norfolk State U.	441	174	135	39	0	449	97	84	13	0	372	77	51	26	0
C. Charleston	442	171	171	0	0	458	89	89	0	0	368	82	82	0	0
Monmouth U.	443	170	81	5	84	417	131	45	2	84	441	39	36	3	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Tuskegee U.	444	167	137	19	11	396	152	124	17	11	492	15	13	2	0
SUNY, New Paltz	444	167	94	7	66	406	141	75	5	61	471	26	19	2	5
Dominican U. California	446	165	165	0	0	405	143	143	0	0	480	22	22	0	0
Oklahoma Christian U.	446	165	0	165	0	423	122	0	122	0	432	43	0	43	0
Texas A&M U.-Central Texas	446	165	165	0	0	592	1	1	0	0	269	164	164	0	0
La Salle U.	449	164	109	0	55	453	93	40	0	53	381	71	69	0	2
California State U., Monterey Bay	450	160	108	0	52	417	131	82	0	49	462	29	26	0	3
Salem State U.	451	159	159	0	0	444	100	100	0	0	400	59	59	0	0
Kansas City U.	452	157	97	0	60	395	156	96	0	60	557	1	1	0	0
SUNY Buffalo State U.	452	157	109	1	47	443	101	53	1	47	406	56	56	0	0
Valparaiso U.	454	156	156	0	0	441	102	102	0	0	413	54	54	0	0
Andrews U.	455	152	38	0	114	396	152	38	0	114	568	0	0	0	0
CUNY, Lehman C.	455	152	32	0	120	456	91	13	0	78	398	61	19	0	42
Pardee RAND Graduate School	457	149	149	0	0	399	149	149	0	0	568	0	0	0	0
Western Carolina U.	458	147	80	0	67	412	134	67	0	67	497	13	13	0	0
Mercer U.	459	146	1	88	57	475	70	1	22	47	374	76	0	66	10
Iona U.	460	145	81	0	64	421	127	64	0	63	488	18	17	0	1
Chatham U.	460	145	145	0	0	441	102	102	0	0	432	43	43	0	0
Bridgewater State U.	462	141	115	0	26	447	98	72	0	26	432	43	43	0	0
Pittsburg State U.	463	138	116	0	22	439	105	105	0	0	454	33	11	0	22
Molloy C.	463	138	15	0	123	462	85	9	0	76	415	53	6	0	47
Western Connecticut State U.	463	138	138	0	0	587	5	5	0	0	307	133	133	0	0
Abilene Christian U.	466	137	36	0	101	412	134	33	0	101	543	3	3	0	0
Lincoln Memorial U.	466	137	137	0	0	464	81	81	0	0	406	56	56	0	0
U. Detroit Mercy	468	136	56	76	4	485	63	28	31	4	379	73	28	45	0
MGH Institute of Health Professions	469	135	0	0	135	412	134	0	0	134	557	1	0	0	1
Sonoma State U.	470	131	114	17	0	451	96	85	11	0	448	35	29	6	0
Creighton U.	471	130	70	0	60	432	107	66	0	41	478	23	4	0	19
Gerstner Sloan-Kettering Graduate School of Biomedical Sciences	472	126	126	0	0	426	116	116	0	0	515	10	10	0	0
SUNY, Oswego	472	126	52	0	74	475	70	34	0	36	406	56	18	0	38
Radford U.	474	125	70	0	55	428	113	58	0	55	504	12	12	0	0
Hawaii Pacific U.	474	125	93	0	32	457	90	66	0	24	448	35	27	0	8
McNeese State U.	476	124	76	12	36	445	99	63	5	31	473	25	13	7	5
U. Wisconsin-Stevens Point	476	124	66	0	58	467	77	19	0	58	426	47	47	0	0
Worcester State U.	476	124	28	0	96	474	71	7	0	64	415	53	21	0	32
Delaware State U.	479	119	93	0	26	432	107	87	0	20	504	12	6	0	6
Northern Michigan U.	480	115	100	0	15	471	75	64	0	11	438	40	36	0	4

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Sul Ross State U.	480	115	85	0	30	517	47	41	0	6	388	68	44	0	24
Shippensburg U. Pennsylvania	482	113	113	0	0	459	88	88	0	0	473	25	25	0	0
Florida Gulf Coast U.	482	113	88	14	11	488	62	46	9	7	420	51	42	5	4
Arkansas Tech U.	484	112	112	0	0	478	69	69	0	0	432	43	43	0	0
Alcorn State U.	484	112	112	0	0	488	62	62	0	0	423	50	50	0	0
Wesleyan U.	486	109	109	0	0	429	109	109	0	0	568	0	0	0	0
Nicholls State U.	486	109	109	0	0	470	76	76	0	0	454	33	33	0	0
U. Hawaii, Hilo	488	108	106	0	2	473	72	72	0	0	447	36	34	0	2
City of Hope, Irell and Manella Graduate School of Biological Sciences	489	105	105	0	0	439	105	105	0	0	568	0	0	0	0
Western Colorado U.	489	105	95	0	10	455	92	83	0	9	497	13	12	0	1
Salus U.	491	102	13	0	89	445	99	11	0	88	543	3	2	0	1
California Lutheran U.	491	102	102	0	0	453	93	93	0	0	521	9	9	0	0
U. Guam	491	102	102	0	0	535	32	32	0	0	384	70	70	0	0
Commonwealth U. of Pennsylvania	494	101	49	0	52	479	67	15	0	52	451	34	34	0	0
St. Mary's U., San Antonio	495	99	88	11	0	492	60	56	4	0	441	39	32	7	0
Canisius U.	496	97	80	0	17	513	48	36	0	12	425	49	44	0	5
Southern U. at New Orleans	497	96	96	0	0	491	61	61	0	0	448	35	35	0	0
Frostburg State U.	498	95	95	0	0	513	48	48	0	0	426	47	47	0	0
U. Dallas	499	92	92	0	0	531	35	35	0	0	405	57	57	0	0
U. Wisconsin-Green Bay	499	92	92	0	0	533	34	34	0	0	402	58	58	0	0
Virginia State U.	501	91	91	0	0	481	66	66	0	0	473	25	25	0	0
SUNY Brockport	501	91	61	0	30	519	44	35	0	9	426	47	26	0	21
East Stroudsburg U. Pennsylvania	503	90	26	0	64	467	77	17	0	60	497	13	9	0	4
Inter American U. Puerto Rico, San German	503	90	90	0	0	485	63	63	0	0	468	27	27	0	0
Cedars-Sinai Medical Center	505	86	86	0	0	485	63	63	0	0	478	23	23	0	0
CUNY, C. Staten Island	506	84	72	12	0	519	44	39	5	0	438	40	33	7	0
Charles R. Drew U. of Medicine and Science	507	83	40	0	43	467	77	36	0	41	530	6	4	0	2
St. Thomas U., Miami Gardens	507	83	83	0	0	471	75	75	0	0	525	8	8	0	0
Suffolk U.	509	82	69	0	13	519	44	40	0	4	444	38	29	0	9
U. West Alabama	510	80	80	0	0	475	70	70	0	0	515	10	10	0	0
Thomas Jefferson U.	510	80	75	5	0	513	48	45	3	0	456	32	30	2	0
Springfield C.	512	75	38	0	37	492	60	34	0	26	492	15	4	0	11
Hampton U.	513	73	44	0	29	498	56	36	0	20	490	17	8	0	9
Roger Williams U.	514	69	69	0	0	502	54	54	0	0	492	15	15	0	0
Gallaudet U.	514	69	29	0	40	511	49	15	0	34	484	20	14	0	6
Florida Polytechnic U.	516	66	45	21	0	499	55	37	18	0	510	11	8	3	0
Mercyhurst U.	516	66	57	0	9	503	53	49	0	4	497	13	8	0	5

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Texas A&M International U.	516	66	66	0	0	562	15	15	0	0	420	51	51	0	0
Lake Erie C. Osteopathic Medicine	519	64	5	0	59	483	64	5	0	59	568	0	0	0	0
U. of the Incarnate Word	520	63	49	0	14	499	55	43	0	12	525	8	6	0	2
SUNY, C. Cortland	520	63	0	0	63	508	50	0	0	50	497	13	0	0	13
Tiffin U.	520	63	63	0	0	550	23	23	0	0	438	40	40	0	0
Coastal Carolina U.	520	63	63	0	0	557	17	17	0	0	430	46	46	0	0
U. Montevallo	524	62	0	0	62	494	59	0	0	59	543	3	0	0	3
California State U., Bakersfield	524	62	62	0	0	513	48	48	0	0	495	14	14	0	0
Northeast Ohio Medical U.	524	62	17	0	45	523	42	17	0	25	484	20	0	0	20
Des Moines U.	524	62	26	0	36	531	35	21	0	14	468	27	5	0	22
Ithaca C.	524	62	62	0	0	537	30	30	0	0	456	32	32	0	0
New Mexico Highlands U.	529	61	61	0	0	534	33	33	0	0	465	28	28	0	0
Albany Medical C.	530	60	60	0	0	494	59	59	0	0	557	1	1	0	0
SUNY, Fredonia	530	60	15	0	45	507	51	6	0	45	521	9	9	0	0
Cooper Union for the Advancement of Science and Art	530	60	0	60	0	530	36	0	36	0	477	24	0	24	0
Van Andel Research Institute	533	59	59	0	0	494	59	59	0	0	568	0	0	0	0
Oregon Institute of Technology	534	58	29	29	0	536	31	17	14	0	468	27	12	15	0
Plymouth State U.	535	56	45	0	11	518	45	37	0	8	510	11	8	0	3
Sanford Burnham Prebys Medical Discovery Institute	536	53	53	0	0	503	53	53	0	0	568	0	0	0	0
Cold Spring Harbor Laboratory	537	52	52	0	0	505	52	52	0	0	568	0	0	0	0
U. of the Virgin Islands	537	52	52	0	0	508	50	50	0	0	549	2	2	0	0
Georgia C. and State U.	537	52	25	0	27	525	40	22	0	18	504	12	3	0	9
Vermont State U.	537	52	51	1	0	562	15	15	0	0	445	37	36	1	0
San Juan Bautista School of Medicine	541	50	0	0	50	508	50	0	0	50	568	0	0	0	0
West Virginia State U.	541	50	50	0	0	511	49	49	0	0	557	1	1	0	0
Kettering U.	543	49	5	44	0	540	29	4	25	0	484	20	1	19	0
Winthrop U.	544	44	44	0	0	519	44	44	0	0	568	0	0	0	0
U. Wisconsin-Parkside	544	44	44	0	0	562	15	15	0	0	462	29	29	0	0
U. Wisconsin-Whitewater	544	44	35	0	9	569	13	10	0	3	459	31	25	0	6
U. Arkansas, Pine Bluff	547	40	40	0	0	537	30	30	0	0	515	10	10	0	0
John Carroll U.	547	40	40	0	0	543	27	27	0	0	497	13	13	0	0
Clafin U.	549	39	39	0	0	526	39	39	0	0	568	0	0	0	0
Toyota Technological Institute, Chicago	549	39	39	0	0	526	39	39	0	0	568	0	0	0	0
Biola U.	549	39	39	0	0	529	37	37	0	0	549	2	2	0	0
Cameron U.	552	38	38	0	0	557	17	17	0	0	483	21	21	0	0
Wilkes U.	552	38	0	12	26	581	6	0	6	0	456	32	0	6	26
Smith C.	554	37	9	0	28	541	28	1	0	27	521	9	8	0	1

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Alabama State U.	554	37	37	0	0	562	15	15	0	0	480	22	22	0	0
Alfred U.	556	34	0	34	0	543	27	0	27	0	528	7	0	7	0
Bucknell U.	557	32	17	15	0	537	30	17	13	0	549	2	0	2	0
Northwestern State U. Louisiana	557	32	32	0	0	545	25	25	0	0	528	7	7	0	0
Elizabeth City State U.	557	32	32	0	0	551	21	21	0	0	510	11	11	0	0
Bard C.	557	32	32	0	0	552	20	20	0	0	504	12	12	0	0
SUNY, C. of Optometry	557	32	32	0	0	572	12	12	0	0	484	20	20	0	0
Bryn Mawr C.	562	31	31	0	0	541	28	28	0	0	543	3	3	0	0
U. of Mary Hardin Baylor	562	31	31	0	0	545	25	25	0	0	530	6	6	0	0
Morehead State U.	564	30	30	0	0	555	18	18	0	0	504	12	12	0	0
Bethune-Cookman U.	565	28	28	0	0	557	17	17	0	0	510	11	11	0	0
California State U., Stanislaus	565	28	28	0	0	561	16	16	0	0	504	12	12	0	0
Salisbury U.	567	26	26	0	0	572	12	12	0	0	495	14	14	0	0
Rosalind Franklin U. of Medicine and Science	568	25	25	0	0	545	25	25	0	0	568	0	0	0	0
Fisk U.	569	24	24	0	0	548	24	24	0	0	568	0	0	0	0
Savannah State U.	569	24	24	0	0	555	18	18	0	0	530	6	6	0	0
Xavier U.	569	24	8	0	16	581	6	6	0	0	488	18	2	0	16
American Museum of Natural History	572	20	20	0	0	552	20	20	0	0	568	0	0	0	0
New England C. of Optometry	572	20	20	0	0	552	20	20	0	0	568	0	0	0	0
Saint Martin's U.	572	20	10	10	0	562	15	8	7	0	537	5	2	3	0
Albany C. of Pharmacy and Health Sciences	575	19	5	0	14	569	13	1	0	12	530	6	4	0	2
SUNY, Oneonta	575	19	19	0	0	581	6	6	0	0	497	13	13	0	0
U. Central del Caribe	577	17	17	0	0	557	17	17	0	0	568	0	0	0	0
Alaska Pacific U.	577	17	17	0	0	577	8	8	0	0	521	9	9	0	0
Western U. of Health Sciences	579	16	0	0	16	562	15	0	0	15	557	1	0	0	1
Rhode Island C.	580	15	15	0	0	569	13	13	0	0	549	2	2	0	0
Trinity C., Hartford	580	15	15	0	0	589	4	4	0	0	510	11	11	0	0
Elmezzzi Graduate School of Molecular Medicine	582	14	14	0	0	568	14	14	0	0	568	0	0	0	0
Lincoln U.	582	14	14	0	0	589	4	4	0	0	515	10	10	0	0
Pontifical Catholic U. Puerto Rico, Arecibo	584	13	13	0	0	574	11	11	0	0	549	2	2	0	0
LeTourneau U.	585	11	6	5	0	578	7	3	4	0	540	4	3	1	0
U. Southern Maine	585	11	11	0	0	592	1	1	0	0	515	10	10	0	0
Walla Walla U.	585	11	11	0	0	592	1	1	0	0	515	10	10	0	0
Marietta C.	588	8	8	0	0	578	7	7	0	0	557	1	1	0	0
Black Hills State U.	589	7	7	0	0	578	7	7	0	0	568	0	0	0	0
Inter American U. Puerto Rico, Barranquitas	589	7	7	0	0	581	6	6	0	0	557	1	1	0	0
Marshall B. Ketchum U.	589	7	7	0	0	581	6	6	0	0	557	1	1	0	0

Table 4-1. Institutional rankings for graduate students: 2024

(Number)

Institution	All graduate students					Full-time students					Part-time students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Rose-Hulman Institute of Technology	589	7	0	7	0	587	5	0	5	0	549	2	0	2	0
Dine C.	593	6	6	0	0	581	6	6	0	0	568	0	0	0	0
Pontifical Catholic U. Puerto Rico, Mayaguez	593	6	6	0	0	592	1	1	0	0	537	5	5	0	0
Sitting Bull C.	595	5	5	0	0	591	3	3	0	0	549	2	2	0	0
SUNY, Potsdam	596	2	0	0	2	592	1	0	0	1	557	1	0	0	1
Union U.	596	2	2	0	0	592	1	1	0	0	557	1	1	0	0
U. Portland	598	1	0	1	0	598	0	0	0	0	557	1	0	1	0

- = no value (rank) possible.

^a All institutions totals include imputed totals for nonresponding institutions; nonresponding institutions totals are not shown separately.^b In 2024, Eastern Virginia Medical School merged into Old Dominion University.**Note(s):**Sorted by overall number of graduate students. Tied institutions are ranked first by number of full-time students and then alphabetically. 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.

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
All institutions ^a	-	505,930	347,469	99,571	58,890	-	322,037	217,779	63,860	40,398	-	183,893	129,690	35,711	18,492
Georgia Institute of Technology	1	17,061	14,587	2,432	42	11	3,325	1,775	1,531	19	1	13,736	12,812	901	23
Johns Hopkins U.	2	11,122	7,311	3,364	447	10	3,498	2,539	673	286	2	7,624	4,772	2,691	161
Arizona State U.	3	10,852	7,792	2,889	171	3	6,119	4,252	1,727	140	3	4,733	3,540	1,162	31
Northeastern U.	4	9,876	4,201	5,360	315	1	9,286	3,828	5,156	302	66	590	373	204	13
Columbia U. in the City of New York	5	8,482	5,625	2,144	713	4	5,754	3,984	1,165	605	7	2,728	1,641	979	108
New York U.	6	8,194	6,479	1,487	228	2	6,567	4,993	1,383	191	19	1,627	1,486	104	37
U. Southern California	7	7,497	4,784	2,139	574	5	5,722	3,933	1,358	431	17	1,775	851	781	143
U. Michigan	8	6,364	3,224	2,674	466	6	4,995	2,596	1,957	442	26	1,369	628	717	24
U. Illinois, Urbana-Champaign	9	6,225	4,668	1,436	121	7	4,508	3,275	1,117	116	18	1,717	1,393	319	5
U. North Texas, Denton	10	5,498	4,875	401	222	9	4,062	3,548	307	207	25	1,436	1,327	94	15
U. Texas, Austin	11	5,386	4,622	584	180	45	1,668	1,096	440	132	4	3,718	3,526	144	48
U. Florida	12	5,340	3,785	1,146	409	24	2,497	1,649	586	262	6	2,843	2,136	560	147
Purdue U.	13	5,065	1,504	3,327	234	25	2,359	919	1,298	142	8	2,706	585	2,029	92
U. Washington	14	4,868	2,821	1,393	654	14	3,035	1,771	756	508	16	1,833	1,050	637	146
Boston U.	15	4,603	3,307	498	798	20	2,542	1,783	340	419	12	2,061	1,524	158	379
Texas A&M U.	16	4,462	2,557	1,662	243	12	3,205	1,839	1,142	224	29	1,257	718	520	19
Carnegie Mellon U.	17	4,355	2,537	1,818	0	8	4,197	2,449	1,748	0	245	158	88	70	0
Liberty U.	18	4,306	3,723	12	571	41	1,928	1,658	9	261	10	2,378	2,065	3	310
George Washington U.	19	4,246	2,762	394	1,090	27	2,328	1,850	148	330	14	1,918	912	246	760
National U.	20	4,071	3,854	0	217	16	2,880	2,718	0	162	31	1,191	1,136	0	55
U. Colorado	21	3,818	1,953	1,348	517	13	3,059	1,684	970	405	51	759	269	378	112
San Jose State U.	22	3,707	1,876	1,570	261	33	2,220	1,089	970	161	23	1,487	787	600	100
George Mason U.	23	3,673	2,908	421	344	36	2,122	1,756	205	161	20	1,551	1,152	216	183
U. California, Berkeley	24	3,664	2,093	1,209	362	32	2,223	937	1,193	93	24	1,441	1,156	16	269
U. Cincinnati	25	3,624	2,183	542	899	52	1,434	942	256	236	11	2,190	1,241	286	663
SUNY, U. Buffalo	26	3,523	2,048	1,158	317	18	2,840	1,782	789	269	58	683	266	369	48
U. Central Missouri	27	3,348	3,213	63	72	17	2,862	2,739	55	68	90	486	474	8	4
U. Maryland, The	28	3,257	1,816	858	583	38	2,108	1,279	555	274	32	1,149	537	303	309
Pennsylvania State U.	29	3,136	1,884	1,138	114	63	1,301	808	397	96	15	1,835	1,076	741	18
Indiana U.	30	3,106	2,079	36	991	25	2,359	1,607	24	728	54	747	472	12	263
North Carolina State U.	31	3,091	1,877	1,214	0	31	2,276	1,456	820	0	46	815	421	394	0
U. Texas, Dallas	32	3,069	2,394	490	185	28	2,313	1,850	282	181	52	756	544	208	4
U. South Florida, Tampa	33	3,064	1,794	310	960	39	2,102	1,410	211	481	37	962	384	99	479
Florida Institute of Technology	34	3,060	2,710	350	0	190	450	237	213	0	9	2,610	2,473	137	0
Lamar U.	35	3,042	2,475	346	221	40	1,947	1,556	258	133	34	1,095	919	88	88
U. California, Los Angeles	36	3,017	1,237	1,335	445	15	3,017	1,237	1,335	445	563	0	0	0	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Texas, Arlington	37	2,997	2,032	908	57	35	2,177	1,611	528	38	45	820	421	380	19
Pepperdine U.	38	2,905	2,905	0	0	89	972	972	0	0	13	1,933	1,933	0	0
U. Maryland Global Campus	39	2,903	2,903	0	0	469	55	55	0	0	5	2,848	2,848	0	0
U. Chicago	40	2,887	2,862	25	0	28	2,313	2,295	18	0	70	574	567	7	0
Illinois Institute of Technology	41	2,853	2,265	559	29	37	2,120	1,690	425	5	56	733	575	134	24
Saint Louis U.	42	2,834	2,334	92	408	19	2,637	2,145	90	402	202	197	189	2	6
Stanford U.	43	2,812	1,526	1,115	171	21	2,541	1,410	990	141	159	271	116	125	30
Georgetown U.	44	2,785	2,675	0	110	30	2,295	2,227	0	68	89	490	448	0	42
Virginia Polytechnic Institute and State U.	45	2,769	1,668	1,042	59	43	1,702	906	743	53	35	1,067	762	299	6
U. California, San Diego	46	2,757	1,484	1,257	16	23	2,514	1,356	1,142	16	179	243	128	115	0
Cornell U.	47	2,628	1,249	1,214	165	22	2,521	1,156	1,212	153	298	107	93	2	12
U. Wisconsin-Madison	48	2,610	1,721	675	214	42	1,803	1,280	408	115	48	807	441	267	99
U. Minnesota	49	2,559	1,528	466	565	34	2,199	1,374	406	419	121	360	154	60	146
U. Central Florida	50	2,518	1,190	863	465	65	1,265	691	253	321	30	1,253	499	610	144
Stevens Institute of Technology	51	2,509	1,512	997	0	44	1,679	1,159	520	0	44	830	353	477	0
Auburn U.	52	2,369	1,859	421	89	101	837	614	153	70	21	1,532	1,245	268	19
Colorado State U., Fort Collins	53	2,286	1,750	511	25	88	974	781	174	19	28	1,312	969	337	6
Nova Southeastern U.	54	2,169	1,970	0	199	109	808	750	0	58	27	1,361	1,220	0	141
Florida State U.	55	2,116	1,634	239	243	74	1,189	951	122	116	38	927	683	117	127
U. Arizona	56	2,097	1,411	344	342	91	968	647	121	200	33	1,129	764	223	142
Texas Tech U.	57	2,095	1,498	376	221	49	1,542	1,130	235	177	74	553	368	141	44
Eastern U.	58	2,023	2,023	0	0	163	495	495	0	0	22	1,528	1,528	0	0
Northwestern U.	59	1,961	1,438	357	166	55	1,369	993	269	107	65	592	445	88	59
DePaul U.	60	1,950	1,644	61	245	48	1,568	1,304	39	225	115	382	340	22	20
U. Illinois, Chicago	61	1,940	742	352	846	50	1,459	599	222	638	92	481	143	130	208
U. New Haven	62	1,889	1,090	768	31	47	1,624	955	638	31	161	265	135	130	0
Pace U.	63	1,878	1,828	28	22	54	1,376	1,348	13	15	87	502	480	15	7
Northern Arizona U.	63	1,878	1,611	62	205	71	1,210	1,062	48	100	60	668	549	14	105
U. North Carolina, Chapel Hill	65	1,865	530	3	1,332	57	1,353	444	3	906	85	512	86	0	426
Ohio State U.	66	1,851	821	640	390	56	1,360	596	514	250	88	491	225	126	140
U. Utah	67	1,836	1,179	380	277	66	1,254	841	230	183	68	582	338	150	94
U. Houston	68	1,835	845	911	79	67	1,248	543	633	72	67	587	302	278	7
Oregon State U.	69	1,831	1,248	311	272	79	1,051	720	239	92	49	780	528	72	180
Florida Atlantic U.	70	1,822	1,475	229	118	59	1,317	1,092	142	83	86	505	383	87	35
New Jersey Institute of Technology	71	1,798	1,317	444	37	68	1,234	991	212	31	71	564	326	232	6
Tufts U.	72	1,788	1,473	199	116	61	1,307	1,102	133	72	92	481	371	66	44
U. Georgia	73	1,786	1,350	44	392	58	1,339	937	38	364	104	447	413	6	28

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Alabama, Birmingham	74	1,746	807	463	476	95	892	573	163	156	41	854	234	300	320
Rutgers, State U. New Jersey	75	1,741	1,284	456	1	69	1,214	934	279	1	82	527	350	177	0
California State U., Northridge	76	1,714	481	426	807	121	716	260	218	238	36	998	221	208	569
Harrisburg U. of Science and Technology	77	1,708	1,159	291	258	46	1,651	1,116	283	252	383	57	43	8	6
Kennesaw State U.	78	1,685	1,115	424	146	100	841	649	156	36	43	844	466	268	110
Drexel U.	79	1,661	1,311	246	104	98	848	661	144	43	47	813	650	102	61
Washington U., Saint Louis	80	1,659	831	608	220	64	1,300	665	440	195	122	359	166	168	25
U. North Carolina, Charlotte	81	1,644	1,270	224	150	77	1,104	837	137	130	79	540	433	87	20
U. Massachusetts, Amherst	82	1,610	1,166	204	240	78	1,081	837	150	94	81	529	329	54	146
Teachers C., Columbia U.	83	1,605	1,468	0	137	61	1,307	1,231	0	76	145	298	237	0	61
California State U., Fullerton	84	1,600	952	483	165	123	695	445	116	134	39	905	507	367	31
Georgia State U.	85	1,564	1,139	91	334	60	1,309	987	82	240	167	255	152	9	94
San Diego State U.	86	1,548	935	326	287	86	1,000	607	133	260	75	548	328	193	27
Brown U.	87	1,508	1,182	224	102	53	1,391	1,085	206	100	287	117	97	18	2
U. Pittsburgh	88	1,506	929	278	299	81	1,037	679	156	202	96	469	250	122	97
U. Denver	89	1,505	1,251	84	170	81	1,037	902	24	111	97	468	349	60	59
Massachusetts Institute of Technology	90	1,498	651	847	0	51	1,438	651	787	0	373	60	0	60	0
Syracuse U.	91	1,497	1,324	145	28	73	1,200	1,068	110	22	146	297	256	35	6
U. at Albany	92	1,466	1,203	64	199	83	1,030	869	51	110	107	436	334	13	89
Florida International U.	93	1,463	983	181	299	87	995	707	96	192	97	468	276	85	107
California State U., Long Beach	94	1,416	913	349	154	110	796	506	183	107	63	620	407	166	47
SUNY, Stony Brook U.	95	1,411	976	243	192	69	1,214	871	189	154	202	197	105	54	38
U. Texas, San Antonio	96	1,369	1,035	210	124	116	738	575	81	82	62	631	460	129	42
Clemson U.	97	1,364	789	529	46	105	816	404	392	20	75	548	385	137	26
Long Island U.	98	1,353	832	4	517	72	1,201	749	4	448	252	152	83	0	69
U. Tennessee, Knoxville	99	1,346	733	361	252	127	672	339	199	134	59	674	394	162	118
Rochester Institute of Technology	100	1,336	1,028	294	14	84	1,021	815	206	0	139	315	213	88	14
Michigan State U.	101	1,331	834	227	270	139	599	360	96	143	57	732	474	131	127
U. Connecticut	102	1,303	686	365	252	113	761	451	118	192	78	542	235	247	60
U. Oklahoma	103	1,288	829	416	43	128	670	463	181	26	64	618	366	235	17
U. Illinois, Springfield	104	1,283	1,108	0	175	102	832	711	0	121	103	451	397	0	54
Wright State U.	105	1,266	936	282	48	76	1,105	836	224	45	240	161	100	58	3
Texas State U.	106	1,231	945	100	186	80	1,050	785	87	178	220	181	160	13	8
Old Dominion U. ^b	107	1,225	630	479	116	175	469	311	69	89	52	756	319	410	27
U. California, Davis	108	1,213	657	359	197	75	1,153	645	319	189	373	60	12	40	8
U. Massachusetts, Lowell	109	1,208	705	431	72	176	468	299	138	31	55	740	406	293	41
American U.	110	1,207	1,186	0	21	114	750	742	0	8	99	457	444	0	13

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. California, Irvine	111	1,200	616	584	0	85	1,009	512	497	0	209	191	104	87	0
Naval Postgraduate School	112	1,198	495	703	0	99	843	494	349	0	123	355	1	354	0
Rowan U.	113	1,191	848	207	136	96	876	595	163	118	139	315	253	44	18
California Baptist U.	114	1,176	995	0	181	94	929	814	0	115	176	247	181	0	66
Santa Clara U.	115	1,163	620	543	0	112	782	373	409	0	116	381	247	134	0
Harvard U.	116	1,157	399	165	593	107	810	290	159	361	127	347	109	6	232
U. Memphis	117	1,149	959	82	108	104	820	679	50	91	132	329	280	32	17
Worcester Polytechnic Institute	118	1,139	463	675	1	172	472	241	230	1	61	667	222	445	0
Northwest Missouri State U.	119	1,136	1,136	0	0	224	356	356	0	0	49	780	780	0	0
U. Virginia	120	1,125	655	306	164	119	726	424	148	154	114	399	231	158	10
Oklahoma State U.	121	1,116	696	283	137	105	816	545	172	99	144	300	151	111	38
Wayne State U.	122	1,109	541	233	335	131	653	311	116	226	101	456	230	117	109
Central Michigan U.	123	1,108	977	16	115	93	933	821	7	105	225	175	156	9	10
Mississippi State U.	124	1,104	740	309	55	141	586	416	129	41	83	518	324	180	14
U. San Diego	125	1,096	837	127	132	286	245	230	0	15	42	851	607	127	117
Case Western Reserve U.	126	1,083	577	258	248	103	829	416	198	215	169	254	161	60	33
U. West Florida	127	1,062	909	40	113	332	182	154	6	22	40	880	755	34	91
Iowa State U.	128	1,056	714	333	9	124	680	444	229	7	118	376	270	104	2
SUNY, Binghamton U.	129	1,045	672	323	50	90	970	640	282	48	346	75	32	41	2
New Mexico State U.	130	1,034	654	225	155	137	611	415	108	88	108	423	239	117	67
Kent State U.	131	1,022	673	50	299	130	667	462	42	163	123	355	211	8	136
U. Texas Rio Grande Valley	132	1,016	591	172	253	168	480	324	122	34	80	536	267	50	219
Troy U.	133	1,005	972	0	33	196	427	414	0	13	69	578	558	0	20
U. Delaware	134	1,000	770	157	73	108	809	611	129	69	209	191	159	28	4
U. San Francisco	135	998	944	0	54	134	622	593	0	29	118	376	351	0	25
Albizu U.-San Juan	136	987	708	0	279	114	750	569	0	181	184	237	139	0	98
Cleveland State U.	136	987	507	414	66	117	732	383	283	66	167	255	124	131	0
U. Miami	138	982	761	137	84	111	793	630	105	58	212	189	131	32	26
U. Louisville	139	966	207	504	255	155	522	106	199	217	105	444	101	305	38
U. Wisconsin-Milwaukee	140	965	700	64	201	122	713	510	48	155	170	252	190	16	46
Duke U.	141	947	672	244	31	92	947	672	244	31	563	0	0	0	0
Antioch U.	142	931	931	0	0	97	867	867	0	0	368	64	64	0	0
U. Bridgeport	143	930	721	89	120	126	674	556	73	45	164	256	165	16	75
U. Missouri, Columbia	144	929	641	76	212	187	452	295	42	115	94	477	346	34	97
U. Texas Health Science Center, Houston	145	927	357	4	566	173	471	254	3	214	101	456	103	1	352
Southern Methodist U.	145	927	558	369	0	221	364	247	117	0	72	563	311	252	0
Colorado School of Mines	147	922	347	575	0	125	677	273	404	0	178	245	74	171	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Kansas State U.	148	914	703	99	112	161	496	388	49	59	109	418	315	50	53
U. New Mexico	149	912	406	354	152	142	578	251	215	112	131	334	155	139	40
U. Kentucky	150	891	534	133	224	128	670	403	95	172	188	221	131	38	52
Clark U.	151	887	887	0	0	120	724	724	0	0	239	163	163	0	0
California State U., Sacramento	152	882	541	220	121	218	368	187	88	93	84	514	354	132	28
U. Dayton	153	874	488	386	0	118	727	424	303	0	258	147	64	83	0
Miami U.	153	874	738	36	100	238	331	206	33	92	77	543	532	3	8
U. Massachusetts, Boston	155	873	716	0	157	179	464	430	0	34	112	409	286	0	123
Rice U.	156	872	676	196	0	145	569	402	167	0	143	303	274	29	0
California State Polytechnic U., Pomona	157	861	507	354	0	138	605	413	192	0	164	256	94	162	0
Northern Illinois U.	158	859	535	126	198	159	515	396	59	60	129	344	139	67	138
Temple U.	159	855	596	65	194	150	539	373	40	126	137	316	223	25	68
Ohio U.	160	854	578	130	146	203	413	319	51	43	106	441	259	79	103
U. North Carolina, Greensboro	161	844	508	0	336	153	531	270	0	261	141	313	238	0	75
U. Kansas	162	843	517	182	144	158	517	290	125	102	134	326	227	57	42
Texas Woman's U.	163	831	599	0	232	198	424	219	0	205	113	407	380	0	27
U. Massachusetts, Dartmouth	164	824	724	100	0	150	539	489	50	0	151	285	235	50	0
U. Missouri, Kansas City	165	811	688	114	9	149	560	501	59	0	172	251	187	55	9
Lewis U.	166	808	725	19	64	133	639	557	19	63	232	169	168	0	1
U. Hawaii, Manoa	167	802	504	143	155	132	643	427	119	97	243	159	77	24	58
Georgia Southern U.	168	801	403	112	286	154	529	256	67	206	158	272	147	45	80
Yeshiva U.	169	786	536	0	250	148	566	369	0	197	189	220	167	0	53
U. Houston-Clear Lake	170	784	687	82	15	199	423	393	28	2	120	361	294	54	13
U. Nebraska-Lincoln	171	783	498	221	64	183	461	289	110	62	135	322	209	111	2
U. Texas, El Paso	172	782	315	356	111	177	466	185	194	87	137	316	130	162	24
Sam Houston State U.	173	775	686	0	89	222	362	317	0	45	110	413	369	0	44
Southeast Missouri State U.	174	770	723	0	47	135	620	585	0	35	255	150	138	0	12
Wichita State U.	175	759	456	247	56	189	451	275	121	55	142	308	181	126	1
U. Maryland, Baltimore County	176	758	667	91	0	171	478	436	42	0	154	280	231	49	0
Southern Illinois U., Edwardsville	177	754	383	293	78	169	479	187	225	67	156	275	196	68	11
Louisiana State U.	178	748	421	232	95	165	492	327	95	70	164	256	94	137	25
U. South Carolina	178	748	347	118	283	181	462	221	88	153	149	286	126	30	130
Fairleigh Dickinson U.	180	743	704	6	33	143	576	548	4	24	233	167	156	2	9
Texas A&M U.-Kingsville	181	742	468	184	90	144	575	371	122	82	233	167	97	62	8
U. Arkansas, Fayetteville	182	740	376	257	107	186	455	303	80	72	151	285	73	177	35
Missouri U. of Science and Technology	183	738	358	380	0	167	487	273	214	0	172	251	85	166	0
West Virginia U.	184	734	363	169	202	161	496	232	102	162	182	238	131	67	40

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Alabama, Huntsville	185	730	288	442	0	278	260	165	95	0	95	470	123	347	0
Grand Valley State U.	186	725	512	55	158	155	522	348	25	149	196	203	164	30	9
Southern Arkansas U.	187	709	709	0	0	303	225	225	0	0	91	484	484	0	0
National Louis U.	188	708	708	0	0	147	568	568	0	0	266	140	140	0	0
U. Nevada, Reno	188	708	471	81	156	184	456	290	63	103	170	252	181	18	53
Michigan Technological U.	190	705	280	354	71	184	456	193	216	47	175	249	87	138	24
U. California, Riverside	191	704	395	294	15	145	569	382	172	15	271	135	13	122	0
California State U., Los Angeles	192	703	539	164	0	204	412	339	73	0	147	291	200	91	0
Utah State U.	193	701	400	187	114	228	346	175	109	62	123	355	225	78	52
Tarleton State U.	194	685	573	23	89	301	228	195	11	22	99	457	378	12	67
U. Alabama, Tuscaloosa	195	681	314	170	197	192	443	226	70	147	182	238	88	100	50
California State U., San Bernardino	196	676	644	0	32	140	588	558	0	30	331	88	86	0	2
U. Idaho	197	668	543	116	9	282	258	219	30	9	111	410	324	86	0
Brigham Young U.	198	661	352	197	112	237	332	177	74	81	132	329	175	123	31
Barry U.	199	645	645	0	0	191	445	445	0	0	200	200	200	0	0
U. Rhode Island	199	645	356	140	149	205	408	213	93	102	184	237	143	47	47
Eastern Washington U.	201	644	224	0	420	160	507	175	0	332	269	137	49	0	88
U. Nebraska, Omaha	202	640	640	0	0	266	287	287	0	0	126	353	353	0	0
Ball State U.	203	637	564	0	73	260	292	230	0	62	128	345	334	0	11
Missouri State U.	204	633	545	0	88	228	346	281	0	65	148	287	264	0	23
Southern Illinois U., Carbondale	205	630	380	114	136	157	521	318	93	110	293	109	62	21	26
Portland State U.	206	629	469	74	86	228	346	255	24	67	153	283	214	50	19
U. Central Oklahoma	207	624	548	10	66	169	479	428	8	43	261	145	120	2	23
Western Michigan U.	208	623	435	103	85	152	538	378	83	77	336	85	57	20	8
Baylor U.	209	618	208	12	398	202	417	131	11	275	198	201	77	1	123
U. California, Santa Barbara	210	617	430	187	0	136	617	430	187	0	563	0	0	0	0
Boston C.	210	617	617	0	0	179	464	464	0	0	248	153	153	0	0
Virginia Commonwealth U.	212	616	373	156	87	233	343	223	51	69	157	273	150	105	18
Texas A&M U.-Corpus Christi	213	613	517	18	78	181	462	446	13	3	253	151	71	5	75
Brandeis U.	214	609	609	0	0	195	432	432	0	0	224	177	177	0	0
California Institute of Integral Studies	215	606	606	0	0	174	470	470	0	0	270	136	136	0	0
Texas A&M U.-Commerce	216	604	505	0	99	302	227	186	0	41	117	377	319	0	58
Regis U.	217	597	568	0	29	178	465	441	0	24	274	132	127	0	5
Towson U.	217	597	482	0	115	209	394	279	0	115	196	203	203	0	0
Lawrence Technological U.	219	596	282	314	0	500	38	12	26	0	73	558	270	288	0
California Polytechnic State U., San Luis Obispo	220	594	339	255	0	206	406	220	186	0	215	188	119	69	0
San Francisco State U.	221	590	483	107	0	207	399	322	77	0	209	191	161	30	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Loyola U., Chicago	222	588	473	17	98	194	435	377	10	48	248	153	96	7	50
St. Cloud State U.	223	584	362	131	91	197	425	269	71	85	243	159	93	60	6
East Carolina U.	224	580	319	35	226	239	330	182	17	131	174	250	137	18	95
U. Nevada, Las Vegas	225	579	292	118	169	236	338	170	67	101	180	241	122	51	68
U. North Dakota	226	566	375	131	60	284	249	145	52	52	136	317	230	79	8
Tulane U.	227	563	397	20	146	166	490	365	11	114	350	73	32	9	32
U. of the Pacific	227	563	413	43	107	211	391	253	43	95	226	172	160	0	12
Middle Tennessee State U.	227	563	523	0	40	271	277	252	0	25	149	286	271	0	15
U. Toledo	230	556	282	117	157	222	362	204	66	92	205	194	78	51	65
West Chester U. Pennsylvania	231	551	336	0	215	226	350	191	0	159	198	201	145	0	56
U. Maine	232	545	376	136	33	208	395	277	85	33	255	150	99	51	0
U. Northern Colorado	233	543	370	0	173	274	275	175	0	100	160	268	195	0	73
California State U., Fresno	234	539	364	76	99	234	340	190	53	97	201	199	174	23	2
U. New Hampshire	235	537	399	77	61	210	392	291	49	52	261	145	108	28	9
New School	236	534	534	0	0	192	443	443	0	0	324	91	91	0	0
North Dakota State U.	236	534	407	114	13	249	314	242	65	7	189	220	165	49	6
Governors State U.	238	523	344	0	179	215	384	242	0	142	267	139	102	0	37
U. Texas, Tyler	239	521	344	68	109	258	301	203	44	54	189	220	141	24	55
U. Puerto Rico, Mayaguez	240	520	379	141	0	163	495	363	132	0	457	25	16	9	0
Rush U.	241	511	66	0	445	200	422	62	0	360	329	89	4	0	85
Washington State U.	242	506	350	104	52	214	386	273	61	52	283	120	77	43	0
U. Wyoming	243	501	340	73	88	213	389	264	66	59	290	112	76	7	29
Pennsylvania Western U.	244	500	242	0	258	275	274	81	0	193	186	226	161	0	65
Marshall U.	245	491	329	21	141	241	327	188	10	129	237	164	141	11	12
Illinois State U.	246	490	386	0	104	212	390	297	0	93	308	100	89	0	11
East Tennessee State U.	247	488	214	0	274	253	307	141	0	166	220	181	73	0	108
Eastern Michigan U.	248	484	371	0	113	289	244	168	0	76	181	240	203	0	37
Oakland U.	249	475	215	198	62	262	289	155	93	41	216	186	60	105	21
U. California, Santa Cruz	250	472	423	49	0	187	452	409	43	0	472	20	14	6	0
California State U., San Marcos	251	470	203	0	267	217	373	135	0	238	314	97	68	0	29
U. Southern Mississippi	252	469	349	2	118	216	382	285	1	96	332	87	64	1	22
U. South Dakota	253	462	328	3	131	225	352	270	2	80	292	110	58	1	51
U. Iowa	254	460	195	86	179	201	421	179	74	168	420	39	16	12	11
CUNY, Queens C.	254	460	388	0	72	270	279	219	0	60	220	181	169	0	12
South Dakota State U.	256	458	351	95	12	254	305	229	74	2	248	153	122	21	10
Lehigh U.	257	451	250	198	3	257	302	192	107	3	257	149	58	91	0
Adelphi U.	258	446	283	0	163	273	276	195	0	81	231	170	88	0	82

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
California State U., East Bay	259	443	357	0	86	218	368	283	0	85	346	75	74	0	1
Roosevelt U.	259	443	443	0	0	234	340	340	0	0	301	103	103	0	0
California State U., Chico	261	440	349	8	83	242	322	244	4	74	286	118	105	4	9
Augusta U.	261	440	277	0	163	291	243	155	0	88	202	197	122	0	75
CUNY, Baruch C.	263	437	396	41	0	286	245	218	27	0	207	192	178	14	0
CUNY, City C.	264	436	301	135	0	311	212	137	75	0	187	224	164	60	0
Villanova U.	265	435	214	221	0	255	304	186	118	0	276	131	28	103	0
U. North Florida	266	422	284	39	99	268	283	196	20	67	267	139	88	19	32
Hofstra U.	267	419	247	0	172	228	346	200	0	146	350	73	47	0	26
Clarkson U.	267	419	204	211	4	267	284	171	112	1	271	135	33	99	3
North Carolina Agricultural and Technical State U.	269	418	235	183	0	247	316	191	125	0	304	102	44	58	0
New York Institute of Technology	269	418	335	68	15	278	260	223	34	3	245	158	112	34	12
Idaho State U.	271	414	197	58	159	307	222	121	30	71	207	192	76	28	88
Southern Connecticut State U.	272	412	208	12	192	277	269	115	6	148	264	143	93	6	44
Fordham U.	273	409	392	0	17	245	319	307	0	12	326	90	85	0	5
Montana State U.	274	405	314	91	0	248	315	233	82	0	326	90	81	9	0
Murray State U.	275	404	353	0	51	228	346	295	0	51	378	58	58	0	0
Seattle U.	276	400	382	18	0	320	191	188	3	0	194	209	194	15	0
Appalachian State U.	277	398	305	0	93	252	309	225	0	84	329	89	80	0	9
Gannon U.	278	396	320	76	0	259	299	236	63	0	314	97	84	13	0
Eastern Kentucky U.	278	396	273	0	123	335	180	76	0	104	192	216	197	0	19
U. Louisiana, Lafayette	280	391	261	71	59	250	312	194	60	58	341	79	67	11	1
Columbus State U.	280	391	381	10	0	364	144	138	6	0	176	247	243	4	0
Vanderbilt U.	282	389	323	66	0	246	318	262	56	0	355	71	61	10	0
Dartmouth C.	283	388	72	182	134	227	348	72	144	132	416	40	0	38	2
Touro U.	284	387	302	0	85	251	311	228	0	83	344	76	74	0	2
Bowling Green State U.	285	382	253	82	47	262	289	171	71	47	322	93	82	11	0
U. North Carolina, Wilmington	286	381	381	0	0	255	304	304	0	0	343	77	77	0	0
Angelo State U.	287	376	366	0	10	350	162	154	0	8	193	214	212	0	2
Endicott C.	287	376	376	0	0	498	39	39	0	0	130	337	337	0	0
Marquette U.	289	374	172	65	137	305	223	92	30	101	253	151	80	35	36
Texas A&M U., San Antonio	290	373	356	0	17	335	180	172	0	8	206	193	184	0	9
Yale U.	291	369	184	52	133	220	367	182	52	133	542	2	2	0	0
Western Kentucky U.	292	367	154	0	213	281	259	82	0	177	295	108	72	0	36
U. Texas Medical Branch at Galveston	292	367	47	0	320	309	221	24	0	197	260	146	23	0	123
U. Montana	294	366	213	0	153	318	195	108	0	87	229	171	105	0	66
Northern Kentucky U.	295	365	148	0	217	428	86	52	0	34	155	279	96	0	183

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. South Alabama	296	356	229	72	55	243	321	206	60	55	428	35	23	12	0
CUNY, John Jay C. of Criminal Justice	297	353	353	0	0	299	231	231	0	0	281	122	122	0	0
SUNY, Downstate Health Sciences U.	298	349	25	0	324	337	177	24	0	153	226	172	1	0	171
U. Vermont	299	348	182	58	108	286	245	135	43	67	301	103	47	15	41
CUNY, Brooklyn C.	299	348	263	0	85	295	239	169	0	70	293	109	94	0	15
CUNY Graduate Center	301	346	346	0	0	428	86	86	0	0	162	260	260	0	0
U. North Texas, Health Science Center	302	342	341	0	1	268	283	282	0	1	375	59	59	0	0
North Carolina Central U.	303	338	233	0	105	291	243	141	0	102	319	95	92	0	3
Western Washington U.	304	334	276	0	58	284	249	200	0	49	336	85	76	0	9
Meharry Medical C.	305	328	247	0	81	240	328	247	0	81	563	0	0	0	0
U. Puerto Rico, Rio Piedras	305	328	328	0	0	294	242	242	0	0	334	86	86	0	0
U. Akron	307	327	162	63	102	300	230	120	34	76	314	97	42	29	26
U. California, San Francisco	308	324	0	19	305	244	320	0	18	302	535	4	0	1	3
Claremont Graduate U.	308	324	210	0	114	392	119	83	0	36	195	205	127	0	78
Kean U.	310	323	222	0	101	283	252	161	0	91	355	71	61	0	10
William and Mary	311	321	321	0	0	297	234	234	0	0	332	87	87	0	0
Eastern Illinois U.	312	320	233	0	87	316	198	120	0	78	281	122	113	0	9
Embry-Riddle Aeronautical U.	313	316	120	196	0	264	288	108	180	0	447	28	12	16	0
U. Alaska, Fairbanks	313	316	263	49	4	376	133	98	31	4	218	183	165	18	0
U. Rochester	315	315	213	53	49	303	225	164	49	12	326	90	49	4	37
Boise State U.	315	315	209	75	31	323	190	133	33	24	279	125	76	42	7
U. Puerto Rico, Medical Sciences Campus	317	313	75	0	238	276	272	56	0	216	415	41	19	0	22
Robert Morris U.	317	313	298	0	15	307	222	221	0	1	324	91	77	0	14
U. Mississippi	319	309	172	31	106	271	277	141	31	105	440	32	31	0	1
Jacksonville U.	320	307	130	0	177	314	203	38	0	165	300	104	92	0	12
Marymount U.	321	305	285	0	20	289	244	227	0	17	370	61	58	0	3
Wake Forest U.	322	303	240	20	43	264	288	237	18	33	481	15	3	2	10
St. John's U., Queens	323	301	218	0	83	291	243	170	0	73	378	58	48	0	10
Central Connecticut State U.	323	301	276	25	0	394	118	111	7	0	218	183	165	18	0
New York Medical C.	325	298	136	0	162	315	200	116	0	84	311	98	20	0	78
Eastern New Mexico U.	326	296	160	0	136	333	181	95	0	86	289	115	65	0	50
U. Notre Dame	327	295	180	115	0	305	223	113	110	0	353	72	67	5	0
Princeton U.	328	294	276	18	0	261	291	276	15	0	537	3	0	3	0
Austin Peay State U.	329	292	246	0	46	404	106	66	0	40	216	186	180	0	6
SUNY, Polytechnic Institute	330	290	236	5	49	385	125	106	0	19	236	165	130	5	30
Philadelphia C. of Osteopathic Medicine	331	288	288	0	0	278	260	260	0	0	447	28	28	0	0
Northeastern State U.	332	282	203	0	79	345	170	121	0	49	290	112	82	0	30

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Hartford	333	281	206	75	0	368	140	113	27	0	265	141	93	48	0
Midwestern State U.	334	280	280	0	0	325	187	187	0	0	322	93	93	0	0
Tennessee State U.	335	279	151	44	84	344	171	86	34	51	295	108	65	10	33
Southern U. and A&M C.	336	278	212	23	43	356	152	98	11	43	278	126	114	12	0
Northeastern Illinois U.	337	276	217	0	59	418	95	72	0	23	220	181	145	0	36
Indiana U. Pennsylvania	338	274	205	0	69	342	172	108	0	64	304	102	97	0	5
California State Polytechnic U., Humboldt	339	273	268	5	0	313	205	200	5	0	363	68	68	0	0
Stephen F. Austin State U.	339	273	215	0	58	337	177	119	0	58	318	96	96	0	0
Indiana State U.	341	272	225	0	47	341	174	128	0	46	311	98	97	0	1
Seton Hall U.	342	269	178	0	91	311	212	121	0	91	383	57	57	0	0
Framingham State U.	342	269	269	0	0	553	11	11	0	0	163	258	258	0	0
U. Oregon	344	267	194	0	73	296	235	164	0	71	440	32	30	0	2
James Madison U.	345	266	189	0	77	342	172	148	0	24	321	94	41	0	53
Polytechnic U. Puerto Rico	345	266	70	196	0	346	169	54	115	0	314	97	16	81	0
William Paterson U.	347	265	157	0	108	327	184	101	0	83	339	81	56	0	25
Benedictine U.	348	262	114	0	148	398	109	68	0	41	248	153	46	0	107
U. Baltimore	349	261	261	0	0	402	107	107	0	0	247	154	154	0	0
U. Tennessee, Chattanooga	350	258	166	47	45	327	184	126	20	38	348	74	40	27	7
Russell Sage C.	350	258	258	0	0	416	97	97	0	0	240	161	161	0	0
U. Nebraska, Kearney	352	256	149	0	107	454	67	21	0	46	212	189	128	0	61
Southeastern Louisiana U.	353	255	117	0	138	324	188	81	0	107	366	67	36	0	31
Dakota State U.	353	255	238	0	17	330	183	169	0	14	353	72	69	0	3
Oregon Health and Science U.	355	253	78	1	174	355	153	49	1	103	308	100	29	0	71
California State U., Dominguez Hills	356	252	252	0	0	330	183	183	0	0	361	69	69	0	0
U. Northern Iowa	357	250	137	0	113	366	142	34	0	108	295	108	103	0	5
Rensselaer Polytechnic Institute	358	248	112	136	0	310	220	95	125	0	447	28	17	11	0
Chapman U.	359	247	148	0	99	320	191	92	0	99	386	56	56	0	0
U. Louisiana, Monroe	359	247	175	0	72	351	161	120	0	41	334	86	55	0	31
Bradley U.	361	245	122	123	0	316	198	103	95	0	403	47	19	28	0
U. New England	361	245	78	0	167	362	146	46	0	100	310	99	32	0	67
Emporia State U.	363	242	242	0	0	414	98	98	0	0	263	144	144	0	0
A. T. Still U.	364	240	42	0	198	369	139	36	0	103	306	101	6	0	95
Saint Joseph's U.	365	239	205	0	34	477	50	43	0	7	212	189	162	0	27
U. Wisconsin-La Crosse	366	238	208	11	19	457	66	53	7	6	226	172	155	4	13
U. of Saint Joseph	367	235	223	0	12	459	64	59	0	5	229	171	164	0	7
Western New England U.	368	234	115	119	0	382	129	33	96	0	299	105	82	23	0
Uniformed Services U. of the Health Sciences	369	232	0	0	232	298	232	0	0	232	563	0	0	0	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Minnesota State U., Mankato	370	230	129	20	81	382	129	57	7	65	306	101	72	13	16
South Dakota School of Mines and Technology	371	229	63	166	0	351	161	54	107	0	363	68	9	59	0
Hood C.	372	225	221	0	4	404	106	103	0	3	285	119	118	0	1
Inter American U. Puerto Rico, Metro	373	223	156	0	67	346	169	124	0	45	391	54	32	0	22
Loyola Marymount U.	374	218	132	86	0	327	184	122	62	0	432	34	10	24	0
Oklahoma City U.	374	218	192	0	26	348	168	167	0	1	399	50	25	0	25
Youngstown State U.	376	215	128	87	0	319	193	111	82	0	466	22	17	5	0
Pontifical Catholic U. Puerto Rico	377	213	174	0	39	370	137	105	0	32	344	76	69	0	7
U. Tulsa	378	212	123	42	47	320	191	106	38	47	468	21	17	4	0
New Mexico Institute of Mining and Technology	378	212	61	151	0	354	154	50	104	0	378	58	11	47	0
Citadel Military C. South Carolina	380	209	158	37	14	461	62	52	2	8	258	147	106	35	6
Midwestern U.	381	207	207	0	0	333	181	181	0	0	454	26	26	0	0
Azusa Pacific U.	382	205	162	0	43	356	152	112	0	40	394	53	50	0	3
Weber State U.	383	202	71	52	79	402	107	20	13	74	319	95	51	39	5
U. Texas Health Science Center, San Antonio	384	200	37	18	145	340	175	37	0	138	457	25	0	18	7
U. West Georgia	384	200	134	0	66	445	73	39	0	34	277	127	95	0	32
U. Houston-Victoria	386	198	198	0	0	432	82	82	0	0	288	116	116	0	0
Morgan State U.	387	197	110	40	47	349	164	91	32	41	436	33	19	8	6
Loma Linda U.	388	194	54	0	140	337	177	47	0	130	480	17	7	0	10
West Texas A&M U.	388	194	67	45	82	371	136	39	21	76	378	58	28	24	6
Tennessee Technological U.	390	193	122	71	0	445	73	48	25	0	283	120	74	46	0
U. Texas of the Permian Basin	391	191	174	5	12	400	108	97	3	8	338	83	77	2	4
Keck Graduate Institute	392	190	128	36	26	326	185	124	36	25	531	5	4	0	1
U. Central Arkansas	392	190	97	0	93	376	133	42	0	91	383	57	55	0	2
Fort Hays State U.	394	187	153	0	34	361	148	115	0	33	420	39	38	0	1
Florida A&M U.	394	187	155	32	0	363	145	120	25	0	412	42	35	7	0
Quinnipiac U.	396	185	185	0	0	376	133	133	0	0	396	52	52	0	0
Stockton U.	396	185	109	0	76	391	121	52	0	69	368	64	57	0	7
Valdosta State U.	398	182	81	0	101	359	151	51	0	100	443	31	30	0	1
Bowie State U.	399	179	179	0	0	388	123	123	0	0	386	56	56	0	0
U. of the District of Columbia	400	178	125	24	29	360	150	100	22	28	447	28	25	2	1
Louisiana Tech U.	401	177	107	28	42	356	152	89	21	42	457	25	18	7	0
Catholic U. of America	402	175	119	56	0	392	119	80	39	0	386	56	39	17	0
Simmons U.	402	175	154	0	21	556	9	6	0	3	235	166	148	0	18
U. Arkansas for Medical Sciences	404	174	45	0	129	395	113	27	0	86	370	61	18	0	43
U. Michigan, Flint	404	174	122	8	44	411	100	77	5	18	348	74	45	3	26
Monmouth U.	406	170	81	5	84	379	131	45	2	84	420	39	36	3	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
C. Charleston	406	170	170	0	0	424	89	89	0	0	339	81	81	0	0
Oklahoma State U., Center for Health Sciences	408	169	16	0	153	556	9	7	0	2	242	160	9	0	151
Texas Southern U.	409	168	167	0	1	398	109	108	0	1	375	59	59	0	0
Montana Technological U.	409	168	19	59	90	489	45	7	27	11	280	123	12	32	79
SUNY, New Paltz	411	167	94	7	66	367	141	75	5	61	454	26	19	2	5
SUNY, C. of Environmental Science and Forestry	411	167	139	28	0	388	123	100	23	0	407	44	39	5	0
U. North Alabama	411	167	111	46	10	502	35	28	0	7	274	132	83	46	3
Dominican U. California	414	165	165	0	0	365	143	143	0	0	466	22	22	0	0
Oklahoma Christian U.	414	165	0	165	0	390	122	0	122	0	408	43	0	43	0
U. Alaska, Anchorage	414	165	97	26	42	454	67	48	6	13	311	98	49	20	29
Texas A&M U.-Central Texas	414	165	165	0	0	580	1	1	0	0	237	164	164	0	0
La Salle U.	418	164	109	0	55	419	93	40	0	53	355	71	69	0	2
Massachusetts C. of Pharmacy and Health Sciences	419	163	95	0	68	385	125	69	0	56	425	38	26	0	12
California State U., Monterey Bay	420	160	108	0	52	379	131	82	0	49	445	29	26	0	3
Salem State U.	421	159	159	0	0	411	100	100	0	0	375	59	59	0	0
Arkansas State U.	422	158	88	16	54	427	87	31	2	54	355	71	57	14	0
Kansas City U.	423	157	97	0	60	353	156	96	0	60	550	1	1	0	0
SUNY Buffalo State U.	423	157	109	1	47	410	101	53	1	47	386	56	56	0	0
Lipscomb U.	425	156	129	0	27	381	130	107	0	23	454	26	22	0	4
Valparaiso U.	425	156	156	0	0	408	102	102	0	0	391	54	54	0	0
U. New Orleans	427	154	112	42	0	442	75	57	18	0	341	79	55	24	0
CUNY, Lehman C.	428	152	32	0	120	422	91	13	0	78	370	61	19	0	42
U. Missouri, Saint Louis	429	150	150	0	0	486	47	47	0	0	301	103	103	0	0
Norfolk State U.	430	149	110	39	0	434	80	67	13	0	361	69	43	26	0
Emory U.	431	148	113	0	35	385	125	112	0	13	464	23	1	0	22
Western Carolina U.	432	147	80	0	67	372	134	67	0	67	485	13	13	0	0
Jackson State U.	432	147	68	26	53	400	108	52	15	41	420	39	16	11	12
Howard U.	434	146	103	9	34	407	104	65	6	33	412	42	38	3	1
Iona U.	435	145	81	0	64	384	127	64	0	63	477	18	17	0	1
Chatham U.	435	145	145	0	0	408	102	102	0	0	408	43	43	0	0
Bridgewater State U.	437	141	115	0	26	414	98	72	0	26	408	43	43	0	0
Pittsburg State U.	438	138	116	0	22	406	105	105	0	0	436	33	11	0	22
Western Connecticut State U.	438	138	138	0	0	570	5	5	0	0	273	133	133	0	0
Abilene Christian U.	440	137	36	0	101	372	134	33	0	101	537	3	3	0	0
MGH Institute of Health Professions	441	135	0	0	135	372	134	0	0	134	550	1	0	0	1
Texas Christian U.	441	135	80	0	55	372	134	79	0	55	550	1	1	0	0
Sonoma State U.	443	131	114	17	0	417	96	85	11	0	428	35	29	6	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Lincoln Memorial U.	444	130	130	0	0	433	81	81	0	0	401	49	49	0	0
U. Detroit Mercy	445	128	56	68	4	469	55	28	23	4	350	73	28	45	0
SUNY, Oswego	446	126	52	0	74	450	70	34	0	36	386	56	18	0	38
Radford U.	447	125	70	0	55	395	113	58	0	55	493	12	12	0	0
Hawaii Pacific U.	447	125	93	0	32	423	90	66	0	24	428	35	27	0	8
McNeese State U.	449	124	76	12	36	413	99	63	5	31	457	25	13	7	5
U. Wisconsin-Stevens Point	449	124	66	0	58	436	77	19	0	58	403	47	47	0	0
Worcester State U.	449	124	28	0	96	448	71	7	0	64	394	53	21	0	32
Northern Michigan U.	452	115	100	0	15	442	75	64	0	11	416	40	36	0	4
Sul Ross State U.	452	115	85	0	30	486	47	41	0	6	363	68	44	0	24
Icahn School of Medicine at Mt. Sinai	454	113	113	0	0	395	113	113	0	0	563	0	0	0	0
Shippensburg U. Pennsylvania	454	113	113	0	0	425	88	88	0	0	457	25	25	0	0
U. Indianapolis	454	113	93	0	20	436	77	64	0	13	427	36	29	0	7
Florida Gulf Coast U.	454	113	88	14	11	461	62	46	9	7	397	51	42	5	4
U. Nebraska, Medical Center	458	112	108	0	4	435	78	74	0	4	432	34	34	0	0
Arkansas Tech U.	458	112	112	0	0	452	69	69	0	0	408	43	43	0	0
Alcorn State U.	458	112	112	0	0	461	62	62	0	0	399	50	50	0	0
Nicholls State U.	461	109	109	0	0	440	76	76	0	0	436	33	33	0	0
U. Hawaii, Hilo	462	106	106	0	0	447	72	72	0	0	432	34	34	0	0
Western Colorado U.	463	105	95	0	10	421	92	83	0	9	485	13	12	0	1
California Lutheran U.	464	102	102	0	0	419	93	93	0	0	512	9	9	0	0
Medical U. South Carolina	464	102	36	0	66	452	69	35	0	34	436	33	1	0	32
U. Guam	464	102	102	0	0	507	32	32	0	0	359	70	70	0	0
Commonwealth U. of Pennsylvania	467	101	49	0	52	454	67	15	0	52	432	34	34	0	0
Mercer U.	468	100	1	88	11	510	30	1	22	7	359	70	0	66	4
St. Mary's U., San Antonio	469	99	88	11	0	466	60	56	4	0	420	39	32	7	0
Tuskegee U.	470	97	74	12	11	428	86	64	11	11	498	11	10	1	0
Canisius U.	470	97	80	0	17	483	48	36	0	12	401	49	44	0	5
Southern U. at New Orleans	472	96	96	0	0	464	61	61	0	0	428	35	35	0	0
Frostburg State U.	473	95	95	0	0	483	48	48	0	0	403	47	47	0	0
Molloy C.	474	93	15	0	78	431	84	9	0	75	512	9	6	0	3
U. Wisconsin-Green Bay	475	92	92	0	0	504	34	34	0	0	378	58	58	0	0
SUNY Brockport	476	91	61	0	30	491	44	35	0	9	403	47	26	0	21
East Stroudsburg U. Pennsylvania	477	90	26	0	64	436	77	17	0	60	485	13	9	0	4
Inter American U. Puerto Rico, San German	477	90	90	0	0	460	63	63	0	0	452	27	27	0	0
Salus U.	479	89	0	0	89	425	88	0	0	88	550	1	0	0	1
CUNY, C. Staten Island	480	84	72	12	0	491	44	39	5	0	416	40	33	7	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Charles R. Drew U. of Medicine and Science	481	83	40	0	43	436	77	36	0	41	523	6	4	0	2
Duquesne U.	482	82	66	7	9	440	76	61	7	8	523	6	5	0	1
St. Thomas U., Miami Gardens	482	82	82	0	0	442	75	75	0	0	519	7	7	0	0
U. Pennsylvania	482	82	82	0	0	448	71	71	0	0	498	11	11	0	0
Creighton U.	482	82	23	0	59	464	61	21	0	40	468	21	2	0	19
U. West Alabama	486	80	80	0	0	450	70	70	0	0	505	10	10	0	0
U. Dallas	487	79	79	0	0	522	25	25	0	0	391	54	54	0	0
Virginia State U.	488	75	75	0	0	473	54	54	0	0	468	21	21	0	0
U. Tennessee, Health Science Center	489	72	30	4	38	457	66	24	4	38	523	6	6	0	0
Roger Williams U.	490	69	69	0	0	473	54	54	0	0	481	15	15	0	0
Mayo Clinic, Mayo Graduate School	491	67	59	3	5	586	0	0	0	0	366	67	59	3	5
Florida Polytechnic U.	492	66	45	21	0	469	55	37	18	0	498	11	8	3	0
Mercyhurst U.	492	66	57	0	9	475	53	49	0	4	485	13	8	0	5
Texas A&M International U.	492	66	66	0	0	541	15	15	0	0	397	51	51	0	0
SUNY, C. Cortland	495	63	0	0	63	477	50	0	0	50	485	13	0	0	13
Tiffin U.	495	63	63	0	0	527	23	23	0	0	416	40	40	0	0
U. Montevallo	497	62	0	0	62	467	59	0	0	59	537	3	0	0	3
U. of the Incarnate Word	497	62	48	0	14	469	55	43	0	12	519	7	5	0	2
California State U., Bakersfield	497	62	62	0	0	483	48	48	0	0	483	14	14	0	0
Ithaca C.	497	62	62	0	0	510	30	30	0	0	440	32	32	0	0
New Mexico Highlands U.	501	61	61	0	0	506	33	33	0	0	447	28	28	0	0
SUNY, Fredonia	502	60	15	0	45	476	51	6	0	45	512	9	9	0	0
Cooper Union for the Advancement of Science and Art	502	60	0	60	0	501	36	0	36	0	463	24	0	24	0
Lake Erie C. Osteopathic Medicine	504	59	0	0	59	467	59	0	0	59	563	0	0	0	0
Oregon Institute of Technology	505	58	29	29	0	509	31	17	14	0	452	27	12	15	0
Delaware State U.	506	57	31	0	26	486	47	27	0	20	505	10	4	0	6
Springfield C.	506	57	38	0	19	491	44	34	0	10	485	13	4	0	9
Plymouth State U.	508	56	45	0	11	489	45	37	0	8	498	11	8	0	3
Des Moines U.	509	55	19	0	36	510	30	16	0	14	457	25	3	0	22
Hampton U.	510	54	35	0	19	481	49	31	0	18	531	5	4	0	1
Coastal Carolina U.	510	54	54	0	0	550	12	12	0	0	412	42	42	0	0
U. of the Virgin Islands	512	52	52	0	0	477	50	50	0	0	542	2	2	0	0
Georgia C. and State U.	512	52	25	0	27	496	40	22	0	18	493	12	3	0	9
Vermont State U.	512	52	51	1	0	541	15	15	0	0	426	37	36	1	0
San Juan Bautista School of Medicine	515	50	0	0	50	477	50	0	0	50	563	0	0	0	0
West Virginia State U.	515	50	50	0	0	481	49	49	0	0	550	1	1	0	0
Northeast Ohio Medical U.	515	50	17	0	33	495	41	17	0	24	512	9	0	0	9

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Thomas Jefferson U.	518	49	44	5	0	510	30	27	3	0	475	19	17	2	0
Kettering U.	518	49	5	44	0	516	29	4	25	0	472	20	1	19	0
Suffolk U.	520	45	32	0	13	521	26	22	0	4	475	19	10	0	9
Winthrop U.	521	44	44	0	0	491	44	44	0	0	563	0	0	0	0
U. Wisconsin-Parkside	521	44	44	0	0	541	15	15	0	0	445	29	29	0	0
U. Wisconsin-Whitewater	521	44	35	0	9	547	13	10	0	3	443	31	25	0	6
SUNY, Upstate Medical U.	524	43	2	0	41	496	40	1	0	39	537	3	1	0	2
U. Arkansas, Pine Bluff	525	40	40	0	0	510	30	30	0	0	505	10	10	0	0
John Carroll U.	525	40	40	0	0	520	27	27	0	0	485	13	13	0	0
Clafin U.	527	39	39	0	0	498	39	39	0	0	563	0	0	0	0
Medical C. Wisconsin	527	39	22	0	17	531	19	12	0	7	472	20	10	0	10
U. California, Merced	529	38	4	34	0	502	35	4	31	0	537	3	0	3	0
Cameron U.	529	38	38	0	0	534	17	17	0	0	468	21	21	0	0
Smith C.	531	37	9	0	28	518	28	1	0	27	512	9	8	0	1
Wesleyan U.	532	34	34	0	0	504	34	34	0	0	563	0	0	0	0
Gallaudet U.	533	32	0	0	32	507	32	0	0	32	563	0	0	0	0
Bucknell U.	533	32	17	15	0	510	30	17	13	0	542	2	0	2	0
Northwestern State U. Louisiana	533	32	32	0	0	522	25	25	0	0	519	7	7	0	0
Elizabeth City State U.	533	32	32	0	0	528	21	21	0	0	498	11	11	0	0
Bard C.	533	32	32	0	0	529	20	20	0	0	493	12	12	0	0
U. of Mary Hardin Baylor	538	31	31	0	0	522	25	25	0	0	523	6	6	0	0
Morehead State U.	539	30	30	0	0	532	18	18	0	0	493	12	12	0	0
Fielding Graduate U.	539	30	30	0	0	550	12	12	0	0	477	18	18	0	0
Cedars-Sinai Medical Center	539	30	30	0	0	560	7	7	0	0	464	23	23	0	0
Pardee RAND Graduate School	542	29	29	0	0	516	29	29	0	0	563	0	0	0	0
Albert Einstein C. of Medicine	543	28	0	0	28	518	28	0	0	28	563	0	0	0	0
Bethune-Cookman U.	543	28	28	0	0	534	17	17	0	0	498	11	11	0	0
California State U., Stanislaus	543	28	28	0	0	539	16	16	0	0	493	12	12	0	0
Salisbury U.	546	26	26	0	0	550	12	12	0	0	483	14	14	0	0
California Institute of Technology	547	24	0	24	0	525	24	0	24	0	563	0	0	0	0
Fisk U.	547	24	24	0	0	525	24	24	0	0	563	0	0	0	0
Savannah State U.	547	24	24	0	0	532	18	18	0	0	523	6	6	0	0
Palo Alto U.	550	23	23	0	0	539	16	16	0	0	519	7	7	0	0
New England C. of Optometry	551	20	20	0	0	529	20	20	0	0	563	0	0	0	0
Saint Martin's U.	551	20	10	10	0	541	15	8	7	0	531	5	2	3	0
Alfred U.	551	20	0	20	0	545	14	0	14	0	523	6	0	6	0
SUNY, C. of Optometry	551	20	20	0	0	577	2	2	0	0	477	18	18	0	0

Table 4-2. Institutional rankings for master's students: 2024

(Number)

Institution	All master's students					Full-time master's students					Part-time master's students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Albany C. of Pharmacy and Health Sciences	555	19	5	0	14	547	13	1	0	12	523	6	4	0	2
Alabama State U.	555	19	19	0	0	555	10	10	0	0	512	9	9	0	0
SUNY, Oneonta	555	19	19	0	0	564	6	6	0	0	485	13	13	0	0
Andrews U.	558	17	6	0	11	534	17	6	0	11	563	0	0	0	0
Baylor C. of Medicine	558	17	11	0	6	534	17	11	0	6	563	0	0	0	0
Rockefeller U.	558	17	17	0	0	534	17	17	0	0	563	0	0	0	0
Alaska Pacific U.	558	17	17	0	0	559	8	8	0	0	512	9	9	0	0
Western U. of Health Sciences	562	15	0	0	15	545	14	0	0	14	550	1	0	0	1
Rhode Island C.	562	15	15	0	0	547	13	13	0	0	542	2	2	0	0
Trinity C., Hartford	562	15	15	0	0	573	4	4	0	0	498	11	11	0	0
Lincoln U.	565	14	14	0	0	573	4	4	0	0	505	10	10	0	0
Pontifical Catholic U. Puerto Rico, Arecibo	566	13	13	0	0	553	11	11	0	0	542	2	2	0	0
Wilkes U.	567	12	0	12	0	564	6	0	6	0	523	6	0	6	0
LeTourneau U.	568	11	6	5	0	560	7	3	4	0	535	4	3	1	0
U. Southern Maine	568	11	11	0	0	580	1	1	0	0	505	10	10	0	0
Walla Walla U.	568	11	11	0	0	580	1	1	0	0	505	10	10	0	0
Gerstner Sloan-Kettering Graduate School of Biomedical Sciences	571	10	10	0	0	586	0	0	0	0	505	10	10	0	0
U. Massachusetts Chan Medical School	572	9	9	0	0	556	9	9	0	0	563	0	0	0	0
Marietta C.	573	8	8	0	0	560	7	7	0	0	550	1	1	0	0
Xavier U.	573	8	8	0	0	564	6	6	0	0	542	2	2	0	0
Black Hills State U.	575	7	7	0	0	560	7	7	0	0	563	0	0	0	0
Inter American U. Puerto Rico, Barranquitas	575	7	7	0	0	564	6	6	0	0	550	1	1	0	0
Marshall B. Ketchum U.	575	7	7	0	0	564	6	6	0	0	550	1	1	0	0
Rose-Hulman Institute of Technology	575	7	0	7	0	570	5	0	5	0	542	2	0	2	0
Dine C.	579	6	6	0	0	564	6	6	0	0	563	0	0	0	0
Pontifical Catholic U. Puerto Rico, Mayaguez	579	6	6	0	0	580	1	1	0	0	531	5	5	0	0
City of Hope, Irell and Manella Graduate School of Biological Sciences	581	5	5	0	0	570	5	5	0	0	563	0	0	0	0
Sitting Bull C.	581	5	5	0	0	576	3	3	0	0	542	2	2	0	0
U. Central del Caribe	583	4	4	0	0	573	4	4	0	0	563	0	0	0	0
Albany Medical C.	584	3	3	0	0	577	2	2	0	0	550	1	1	0	0
U. Texas Southwestern Medical Center	585	2	2	0	0	577	2	2	0	0	563	0	0	0	0
SUNY, Potsdam	585	2	0	0	2	580	1	0	0	1	550	1	0	0	1
Union U.	585	2	2	0	0	580	1	1	0	0	550	1	1	0	0
U. Portland	588	1	0	1	0	586	0	0	0	0	550	1	0	1	0

- = no value (rank) possible.

^a All institutions totals include imputed totals for nonresponding institutions; nonresponding institutions totals are not shown separately.

^b In 2024, Eastern Virginia Medical School merged into Old Dominion University.

Note(s):

Sorted by overall number of master's students. Tied institutions are ranked first by number of full-time master's students and then alphabetically. 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.

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
All institutions ^a	-	312,148	216,898	76,441	18,809	-	274,601	194,145	67,740	12,716	-	37,547	22,753	8,701	6,093
Liberty U.	1	5,352	4,656	35	661	27	2,835	2,404	28	403	1	2,517	2,252	7	258
U. Michigan	2	5,157	2,941	1,928	288	1	5,126	2,934	1,906	286	208	31	7	22	2
U. Illinois, Urbana-Champaign	3	4,929	2,993	1,824	112	2	4,837	2,932	1,794	111	114	92	61	30	1
Purdue U.	4	4,845	2,343	2,254	248	10	3,739	1,901	1,611	227	2	1,106	442	643	21
Texas A&M U.	5	4,577	2,618	1,815	144	6	4,035	2,334	1,575	126	11	542	284	240	18
U. Wisconsin-Madison	6	4,501	3,298	901	302	5	4,036	2,918	860	258	13	465	380	41	44
Pennsylvania State U.	7	4,208	2,614	1,493	101	7	3,936	2,549	1,299	88	28	272	65	194	13
Stanford U.	8	4,158	2,658	1,422	78	3	4,143	2,648	1,417	78	260	15	10	5	0
U. California, Berkeley	9	4,062	3,108	953	1	4	4,062	3,108	953	1	349	0	0	0	0
U. Washington	10	4,014	2,783	893	338	9	3,827	2,682	844	301	49	187	101	49	37
Cornell U.	11	3,927	3,030	897	0	8	3,894	2,997	897	0	201	33	33	0	0
Georgia Institute of Technology	12	3,836	1,540	2,296	0	12	3,618	1,469	2,149	0	44	218	71	147	0
U. Maryland, The	13	3,737	2,606	838	293	15	3,534	2,497	785	252	47	203	109	53	41
U. Texas, Austin	14	3,728	2,129	1,374	225	17	3,469	2,023	1,262	184	31	259	106	112	41
U. California, Los Angeles	15	3,727	2,689	854	184	11	3,727	2,689	854	184	349	0	0	0	0
Johns Hopkins U.	15	3,727	1,978	955	794	23	2,990	1,837	947	206	8	737	141	8	588
U. Colorado	17	3,695	2,517	1,013	165	16	3,474	2,404	939	131	42	221	113	74	34
Massachusetts Institute of Technology	18	3,622	2,051	1,571	0	12	3,618	2,049	1,569	0	307	4	2	2	0
Ohio State U.	19	3,606	2,324	1,102	180	14	3,543	2,308	1,061	174	146	63	16	41	6
U. Minnesota	20	3,410	2,388	817	205	20	3,263	2,276	796	191	72	147	112	21	14
U. Florida	21	3,379	2,244	897	238	21	3,145	2,088	847	210	36	234	156	50	28
U. California, San Diego	22	3,308	2,502	806	0	19	3,265	2,480	785	0	181	43	22	21	0
Harvard U.	23	3,288	2,816	357	115	18	3,288	2,816	357	115	349	0	0	0	0
U. California, Davis	24	3,123	2,484	591	48	22	3,091	2,470	574	47	206	32	14	17	1
Arizona State U.	25	3,076	1,999	1,017	60	40	2,219	1,405	780	34	6	857	594	237	26
U. Pennsylvania	26	3,042	2,228	768	46	24	2,984	2,199	740	45	156	58	29	28	1
North Carolina State U.	27	3,006	1,678	1,328	0	28	2,760	1,569	1,191	0	35	246	109	137	0
Northwestern U.	28	2,960	1,977	945	38	25	2,947	1,969	940	38	264	13	8	5	0
U. Southern California	29	2,901	1,913	844	144	26	2,867	1,894	832	141	198	34	19	12	3
Virginia Polytechnic Institute and State U.	30	2,839	1,692	1,147	0	31	2,575	1,550	1,025	0	30	264	142	122	0
Columbia U. in the City of New York	31	2,655	1,860	733	62	29	2,612	1,842	717	53	181	43	18	16	9
U. North Carolina, Chapel Hill	32	2,624	2,297	57	270	30	2,577	2,257	56	264	174	47	40	1	6
Michigan State U.	33	2,529	2,026	429	74	33	2,457	1,965	419	73	134	72	61	10	1
U. Chicago	34	2,519	2,188	331	0	32	2,519	2,188	331	0	349	0	0	0	0
Indiana U.	35	2,464	2,195	102	167	63	1,482	1,350	46	86	3	982	845	56	81
U. Pittsburgh	36	2,461	1,647	538	276	34	2,395	1,622	516	257	140	66	25	22	19

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Rutgers, State U. New Jersey	37	2,459	2,031	373	55	36	2,314	1,889	370	55	73	145	142	3	0
U. Georgia	38	2,368	1,996	162	210	42	2,148	1,869	156	123	43	220	127	6	87
New York U.	39	2,329	1,870	351	108	41	2,188	1,776	343	69	76	141	94	8	39
Princeton U.	40	2,326	1,691	635	0	35	2,326	1,691	635	0	349	0	0	0	0
Boston U.	41	2,268	1,565	546	157	39	2,225	1,552	546	127	181	43	13	0	30
Duke U.	42	2,251	1,538	671	42	37	2,251	1,538	671	42	349	0	0	0	0
U. Arizona	43	2,236	1,734	327	175	47	1,917	1,512	276	129	23	319	222	51	46
Yale U.	44	2,229	1,749	362	118	38	2,227	1,748	361	118	323	2	1	1	0
U. Illinois, Chicago	45	2,206	1,283	417	506	53	1,720	1,018	364	338	12	486	265	53	168
U. Connecticut	46	2,145	1,385	622	138	46	1,981	1,284	574	123	56	164	101	48	15
U. Utah	47	2,136	1,451	527	158	58	1,562	1,115	343	104	9	574	336	184	54
U. California, Irvine	48	2,115	1,498	617	0	43	2,112	1,497	615	0	314	3	1	2	0
Carnegie Mellon U.	49	2,104	1,171	933	0	44	2,079	1,161	918	0	228	25	10	15	0
Washington U., Saint Louis	50	2,070	1,519	497	54	45	2,067	1,519	497	51	314	3	0	0	3
U. Tennessee, Knoxville	51	2,036	1,222	730	84	87	1,086	706	339	41	5	950	516	391	43
U. Massachusetts, Amherst	52	2,031	1,531	430	70	51	1,809	1,360	390	59	41	222	171	40	11
U. Virginia	53	1,927	1,276	628	23	48	1,914	1,272	619	23	264	13	4	9	0
SUNY, Stony Brook U.	54	1,891	1,461	378	52	50	1,831	1,447	353	31	151	60	14	25	21
Iowa State U.	55	1,883	1,171	691	21	54	1,712	1,058	635	19	55	171	113	56	2
Northeastern U.	56	1,863	928	843	92	49	1,838	927	823	88	228	25	1	20	4
Vanderbilt U.	57	1,762	1,371	347	44	52	1,758	1,370	346	42	307	4	1	1	2
U. Houston	58	1,682	955	612	115	61	1,499	858	535	106	51	183	97	77	9
Colorado State U., Fort Collins	59	1,674	1,200	452	22	114	707	568	127	12	4	967	632	325	10
U. Delaware	60	1,659	1,154	493	12	56	1,633	1,139	483	11	224	26	15	10	1
U. California, Santa Barbara	61	1,648	1,332	316	0	55	1,648	1,332	316	0	349	0	0	0	0
U. California, Riverside	62	1,637	1,317	320	0	57	1,625	1,305	320	0	273	12	12	0	0
SUNY, U. Buffalo	63	1,610	1,113	378	119	59	1,552	1,083	366	103	156	58	30	12	16
Texas Tech U.	64	1,607	1,170	390	47	65	1,459	1,080	338	41	70	148	90	52	6
George Washington U.	65	1,603	1,006	241	356	107	775	596	94	85	7	828	410	147	271
George Mason U.	66	1,564	1,344	185	35	78	1,264	1,077	154	33	26	300	267	31	2
Emory U.	67	1,547	1,201	268	78	70	1,406	1,200	129	77	76	141	1	139	1
Louisiana State U.	68	1,546	1,132	331	83	67	1,419	1,057	295	67	87	127	75	36	16
CUNY Graduate Center	69	1,521	1,482	0	39	60	1,514	1,476	0	38	294	7	6	0	1
Clemson U.	70	1,516	906	566	44	72	1,360	796	528	36	63	156	110	38	8
Auburn U.	71	1,501	803	652	46	86	1,114	585	496	33	16	387	218	156	13
U. South Florida, Tampa	72	1,495	934	350	211	79	1,246	820	318	108	34	249	114	32	103
Rice U.	73	1,494	917	577	0	62	1,494	917	577	0	349	0	0	0	0

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Notre Dame	74	1,490	861	629	0	64	1,479	854	625	0	278	11	7	4	0
Oregon State U.	75	1,482	1,006	398	78	71	1,368	935	365	68	97	114	71	33	10
U. Iowa	76	1,480	1,122	202	156	73	1,342	1,020	189	133	80	138	102	13	23
U. Central Florida	77	1,451	794	596	61	76	1,300	732	529	39	65	151	62	67	22
U. Kansas	78	1,445	1,081	205	159	75	1,306	1,010	183	113	79	139	71	22	46
U. Rochester	79	1,439	1,184	236	19	66	1,426	1,174	236	16	264	13	10	0	3
Florida State U.	80	1,435	1,181	220	34	74	1,331	1,100	206	25	105	104	81	14	9
Brown U.	81	1,420	1,240	180	0	69	1,418	1,239	179	0	323	2	1	1	0
California Institute of Technology	82	1,419	882	537	0	67	1,419	882	537	0	349	0	0	0	0
U. Texas, Dallas	83	1,413	875	510	28	77	1,288	813	451	24	89	125	62	59	4
U. Cincinnati	84	1,381	791	419	171	83	1,156	717	311	128	40	225	74	108	43
U. Kentucky	85	1,275	905	237	133	80	1,210	877	223	110	141	65	28	14	23
U. Nebraska-Lincoln	86	1,267	936	331	0	85	1,116	824	292	0	65	151	112	39	0
U. Oklahoma	87	1,248	901	301	46	84	1,120	814	272	34	86	128	87	29	12
U. Missouri, Columbia	87	1,248	931	220	97	94	885	726	105	54	18	363	205	115	43
U. California, Santa Cruz	89	1,226	1,162	64	0	81	1,196	1,138	58	0	211	30	24	6	0
Case Western Reserve U.	90	1,215	789	373	53	82	1,184	776	365	43	208	31	13	8	10
U. South Carolina	91	1,197	802	240	155	88	1,072	748	211	113	89	125	54	29	42
U. New Mexico	92	1,150	769	245	136	93	899	637	172	90	33	251	132	73	46
Washington State U.	93	1,103	792	276	35	90	1,003	731	249	23	108	100	61	27	12
Florida International U.	94	1,083	739	268	76	89	1,021	706	259	56	148	62	33	9	20
U. North Texas, Denton	95	1,059	871	165	23	119	645	529	105	11	14	414	342	60	12
Nova Southeastern U.	96	1,037	250	0	787	108	762	114	0	648	27	275	136	0	139
Mississippi State U.	97	1,035	636	377	22	124	623	466	144	13	15	412	170	233	9
U. Texas, Arlington	98	1,032	548	429	55	117	685	346	320	19	19	347	202	109	36
U. Alabama, Birmingham	99	1,029	807	117	105	96	876	733	81	62	64	153	74	36	43
West Virginia U.	100	1,014	664	257	93	102	832	569	204	59	52	182	95	53	34
Georgia State U.	101	1,002	840	0	162	98	853	782	0	71	69	149	58	0	91
U. Texas Health Science Center, Houston	102	1,001	815	33	153	116	691	593	32	66	24	310	222	1	87
U. Miami	103	1,000	791	179	30	91	991	784	177	30	284	9	7	2	0
U. at Albany	103	1,000	848	103	49	148	451	392	52	7	10	549	456	51	42
U. Alabama, Tuscaloosa	105	993	597	350	46	99	843	547	268	28	67	150	50	82	18
U. California, San Francisco	106	970	778	125	67	92	970	778	125	67	349	0	0	0	0
Wayne State U.	107	954	699	155	100	95	879	662	131	86	129	75	37	24	14
Virginia Commonwealth U.	108	947	503	133	311	103	827	442	117	268	93	120	61	16	43
U. Hawaii, Manoa	109	945	798	123	24	101	833	706	109	18	98	112	92	14	6
U. Arkansas, Fayetteville	110	944	561	339	44	124	623	443	164	16	22	321	118	175	28

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Oklahoma State U.	111	930	709	218	3	115	701	538	160	3	38	229	171	58	0
Tulane U.	112	927	647	78	202	106	783	632	77	74	74	144	15	1	128
Syracuse U.	113	918	739	168	11	100	835	675	150	10	122	83	64	18	1
SUNY, Binghamton U.	114	906	591	299	16	105	787	510	266	11	94	119	81	33	5
U. Oregon	115	896	889	0	7	97	870	864	0	6	224	26	25	0	1
Tufts U.	116	860	663	187	10	104	813	635	168	10	174	47	28	19	0
Drexel U.	117	846	498	283	65	111	740	438	246	56	104	106	60	37	9
U. Nevada, Reno	118	826	652	163	11	113	710	552	149	9	96	116	100	14	2
Baylor U.	119	767	663	85	19	109	753	650	85	18	261	14	13	0	1
U. Texas, San Antonio	120	766	488	277	1	133	562	356	205	1	46	204	132	72	0
Temple U.	121	764	636	89	39	112	728	608	85	35	191	36	28	4	4
U. Maryland, Baltimore County	122	763	630	133	0	126	622	509	113	0	76	141	121	20	0
U. Nevada, Las Vegas	123	761	585	88	88	129	601	487	65	49	60	160	98	23	39
Dartmouth C.	124	750	566	173	11	110	749	566	173	10	337	1	0	0	1
Kansas State U.	125	738	624	114	0	122	630	532	98	0	102	108	92	16	0
Colorado School of Mines	126	728	243	485	0	120	633	225	408	0	112	95	18	77	0
Old Dominion U. ^b	127	723	434	224	65	169	359	223	90	46	17	364	211	134	19
U. Wisconsin-Milwaukee	128	678	423	110	145	118	653	408	109	136	228	25	15	1	9
Claremont Graduate U.	129	657	526	0	131	157	401	339	0	62	32	256	187	0	69
Rensselaer Polytechnic Institute	130	651	266	385	0	123	626	262	364	0	228	25	4	21	0
U. California, Merced	131	636	462	154	20	120	633	462	151	20	314	3	0	3	0
North Dakota State U.	132	630	444	156	30	145	456	328	110	18	53	174	116	46	12
Lehigh U.	133	629	362	267	0	128	602	349	253	0	222	27	13	14	0
U. North Carolina, Charlotte	134	621	415	181	25	143	460	301	145	14	58	161	114	36	11
U. Texas, El Paso	135	612	359	212	41	152	428	255	150	23	50	184	104	62	18
U. Louisville	136	608	438	144	26	135	533	384	135	14	129	75	54	9	12
U. North Dakota	136	608	297	238	73	163	391	215	146	30	45	217	82	92	43
Baylor C. of Medicine	138	605	603	0	2	127	605	603	0	2	349	0	0	0	0
U. Massachusetts, Boston	139	593	504	0	89	158	399	376	0	23	48	194	128	0	66
U. Texas Southwestern Medical Center	140	586	487	99	0	130	584	485	99	0	323	2	2	0	0
Kent State U.	141	583	519	15	49	132	565	505	15	45	250	18	14	0	4
Florida Atlantic U.	142	575	422	123	30	189	271	202	62	7	25	304	220	61	23
Boston C.	143	568	548	0	20	131	567	548	0	19	337	1	0	0	1
U. Massachusetts, Lowell	144	567	259	247	61	155	409	201	175	33	62	158	58	72	28
Georgetown U.	145	560	552	0	8	134	539	531	0	8	238	21	21	0	0
Fielding Graduate U.	146	552	552	0	0	138	495	495	0	0	158	57	57	0	0
U. Memphis	147	547	361	135	51	177	317	221	75	21	37	230	140	60	30

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
U. Nebraska, Medical Center	148	537	406	0	131	139	486	373	0	113	165	51	33	0	18
U. Rhode Island	149	536	342	117	77	160	393	257	79	57	75	143	85	38	20
U. New Hampshire	150	521	399	122	0	136	502	384	118	0	242	19	15	4	0
U. Vermont	151	520	422	81	17	146	455	371	76	8	141	65	51	5	9
Missouri U. of Science and Technology	152	517	159	358	0	142	461	150	311	0	160	56	9	47	0
U. Mississippi	153	512	340	50	122	140	475	326	49	100	190	37	14	1	22
Montana State U.	153	512	418	94	0	141	464	380	84	0	173	48	38	10	0
Worcester Polytechnic Institute	155	509	208	301	0	166	374	151	223	0	81	135	57	78	0
U. Wyoming	156	502	395	107	0	147	452	355	97	0	168	50	40	10	0
San Diego State U.	157	498	318	68	112	137	498	318	68	112	349	0	0	0	0
New Jersey Institute of Technology	158	492	266	226	0	150	443	237	206	0	170	49	29	20	0
Stevens Institute of Technology	159	491	195	296	0	144	457	186	271	0	198	34	9	25	0
Howard U.	159	491	417	38	36	168	366	307	30	29	89	125	110	8	7
Brigham Young U.	159	491	324	167	0	225	160	116	44	0	20	331	208	123	0
Michigan Technological U.	162	474	231	243	0	164	378	194	184	0	111	96	37	59	0
U. Maine	163	472	347	125	0	153	425	322	103	0	174	47	25	22	0
Rochester Institute of Technology	164	467	295	172	0	151	437	275	162	0	211	30	20	10	0
New Mexico State U.	165	460	325	114	21	167	369	269	85	15	116	91	56	29	6
Saint Louis U.	166	458	370	25	63	149	445	361	21	63	264	13	9	4	0
U. Idaho	167	454	352	102	0	171	354	292	62	0	108	100	60	40	0
U. Toledo	168	433	325	77	31	182	302	232	45	25	84	131	93	32	6
Southern Illinois U., Carbondale	169	428	339	65	24	161	392	316	61	15	191	36	23	4	9
Oregon Health and Science U.	170	422	257	110	55	161	392	252	110	30	211	30	5	0	25
Utah State U.	171	417	258	159	0	230	149	81	68	0	29	268	177	91	0
Palo Alto U.	172	416	416	0	0	159	394	394	0	0	234	22	22	0	0
Brandeis U.	173	414	414	0	0	154	410	410	0	0	307	4	4	0	0
Ohio U.	174	407	273	101	33	175	333	240	67	26	131	74	33	34	7
U. Massachusetts Chan Medical School	175	404	404	0	0	156	404	404	0	0	349	0	0	0	0
North Carolina Agricultural and Technical State U.	176	397	181	216	0	201	233	106	127	0	56	164	75	89	0
Western Michigan U.	177	391	271	79	41	170	355	257	71	27	191	36	14	8	14
U. North Carolina, Greensboro	178	386	240	0	146	226	157	117	0	40	38	229	123	0	106
Portland State U.	179	382	345	36	1	191	257	232	25	0	89	125	113	11	1
Texas Woman's U.	180	381	205	0	176	294	54	50	0	4	21	327	155	0	172
Scripps Research Institute	181	375	375	0	0	165	375	375	0	0	349	0	0	0	0
Southern Methodist U.	182	368	278	90	0	174	335	257	78	0	201	33	21	12	0
Northern Illinois U.	182	368	296	12	60	213	196	180	9	7	54	172	116	3	53
U. Louisiana, Lafayette	184	362	221	103	38	176	324	207	85	32	189	38	14	18	6

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
National U.	185	360	360	0	0	207	212	212	0	0	70	148	148	0	0
Albert Einstein C. of Medicine	186	351	340	0	11	172	351	340	0	11	349	0	0	0	0
U. Alabama, Huntsville	187	349	169	164	16	211	199	115	81	3	67	150	54	83	13
Wake Forest U.	188	347	267	79	1	173	346	266	79	1	337	1	1	0	0
Albizu U.-San Juan	189	346	346	0	0	183	297	297	0	0	170	49	49	0	0
Oakland U.	189	346	163	145	38	218	185	115	60	10	58	161	48	85	28
Loyola U., Chicago	191	343	268	0	75	192	256	225	0	31	118	87	43	0	44
Marquette U.	192	339	233	92	14	200	236	164	63	9	106	103	69	29	5
U. Southern Mississippi	193	337	242	59	36	197	243	174	58	11	113	94	68	1	25
Northern Arizona U.	194	330	268	17	45	190	269	226	17	26	150	61	42	0	19
Morgan State U.	195	329	132	80	117	180	307	123	75	109	234	22	9	5	8
U. Puerto Rico, Rio Piedras	196	320	320	0	0	181	303	303	0	0	253	17	17	0	0
Boise State U.	197	318	199	107	12	201	233	143	84	6	120	85	56	23	6
Medical C. Wisconsin	198	316	239	48	29	178	308	239	47	22	288	8	0	1	7
Illinois Institute of Technology	199	311	182	129	0	184	292	173	119	0	242	19	9	10	0
U. Texas Health Science Center, San Antonio	199	311	206	27	78	198	242	204	27	11	137	69	2	0	67
Icahn School of Medicine at Mt. Sinai	201	308	308	0	0	178	308	308	0	0	349	0	0	0	0
Texas State U.	202	307	224	83	0	198	242	173	69	0	141	65	51	14	0
Florida Institute of Technology	203	305	180	125	0	186	288	175	113	0	253	17	5	12	0
New School	203	305	305	0	0	188	272	272	0	0	201	33	33	0	0
Teachers C., Columbia U.	205	303	292	0	11	193	253	248	0	5	168	50	44	0	6
U. Akron	205	303	161	142	0	195	249	120	129	0	163	54	41	13	0
U. Missouri, Kansas City	207	293	193	55	45	205	216	142	46	28	127	77	51	9	17
Mayo Clinic, Mayo Graduate School	208	289	242	47	0	185	289	242	47	0	349	0	0	0	0
Fordham U.	209	286	286	0	0	214	194	194	0	0	114	92	92	0	0
Rockefeller U.	210	281	281	0	0	187	281	281	0	0	349	0	0	0	0
U. Texas Medical Branch at Galveston	210	281	155	0	126	210	200	133	0	67	124	81	22	0	59
Bowling Green State U.	212	278	271	0	7	216	189	182	0	7	117	89	89	0	0
Rowan U.	213	271	157	114	0	194	252	145	107	0	242	19	12	7	0
U. Alaska, Fairbanks	214	263	244	19	0	254	104	91	13	0	61	159	153	6	0
Dakota State U.	215	252	252	0	0	234	143	143	0	0	100	109	109	0	0
William and Mary	216	251	251	0	0	196	246	246	0	0	303	5	5	0	0
South Dakota State U.	217	247	164	71	12	215	190	123	57	10	158	57	41	14	2
Cleveland State U.	218	245	141	104	0	216	189	101	88	0	160	56	40	16	0
U. Denver	219	241	215	26	0	207	212	189	23	0	219	29	26	3	0
U. Tulsa	220	236	150	86	0	204	220	140	80	0	257	16	10	6	0
U. Montana	221	234	215	0	19	252	107	100	0	7	87	127	115	0	12

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
American U.	222	233	233	0	0	203	221	221	0	0	273	12	12	0	0
Loma Linda U.	222	233	115	0	118	229	152	104	0	48	124	81	11	0	70
CUNY, City C.	224	224	79	145	0	209	211	73	138	0	264	13	6	7	0
U. Tennessee, Health Science Center	225	215	124	3	88	206	215	124	3	88	349	0	0	0	0
Wichita State U.	226	214	92	115	7	274	80	47	32	1	82	134	45	83	6
U. South Alabama	227	212	138	66	8	231	147	96	45	6	141	65	42	21	2
Pontifical Catholic U. Puerto Rico	228	203	203	0	0	277	74	74	0	0	85	129	129	0	0
Miami U.	229	202	202	0	0	211	199	199	0	0	314	3	3	0	0
U. Massachusetts, Dartmouth	230	199	80	92	27	268	88	29	59	0	99	111	51	33	27
Clarkson U.	231	198	85	113	0	219	179	77	102	0	242	19	8	11	0
Augusta U.	232	197	158	0	39	222	166	151	0	15	208	31	7	0	24
U. South Dakota	233	190	140	4	46	240	125	120	3	2	141	65	20	1	44
Marymount U.	234	188	188	0	0	249	108	108	0	0	126	80	80	0	0
Duquesne U.	235	185	98	0	87	220	169	95	0	74	257	16	3	0	13
Seton Hall U.	236	184	91	0	93	298	51	48	0	3	83	133	43	0	90
Louisiana Tech U.	237	179	95	84	0	238	133	60	73	0	177	46	35	11	0
Uniformed Services U. of the Health Sciences	238	176	136	0	40	221	168	136	0	32	288	8	0	0	8
Medical U. South Carolina	238	176	141	0	35	228	154	141	0	13	234	22	0	0	22
East Carolina U.	240	174	144	0	30	236	139	139	0	0	195	35	5	0	30
Southern U. and A&M C.	241	173	148	0	25	260	99	81	0	18	131	74	67	0	7
Long Island U.	242	172	144	0	28	280	72	62	0	10	108	100	82	0	18
Jackson State U.	242	172	90	24	58	285	64	41	8	15	102	108	49	16	43
Embry-Riddle Aeronautical U.	244	171	23	148	0	223	165	22	143	0	297	6	1	5	0
U. Northern Colorado	244	171	103	0	68	281	70	53	0	17	107	101	50	0	51
SUNY, C. of Environmental Science and Forestry	246	170	136	34	0	224	162	129	33	0	288	8	7	1	0
St. John's U., Queens	247	164	75	0	89	248	110	63	0	47	163	54	12	0	42
Idaho State U.	248	163	85	41	37	256	103	62	20	21	151	60	23	21	16
U. Arkansas for Medical Sciences	249	161	101	0	60	241	121	91	0	30	188	40	10	0	30
SUNY, Upstate Medical U.	250	159	159	0	0	227	156	156	0	0	314	3	3	0	0
East Tennessee State U.	250	159	75	0	84	249	108	62	0	46	165	51	13	0	38
Georgia Southern U.	252	158	12	9	137	275	76	11	8	57	123	82	1	1	80
U. Puerto Rico, Medical Sciences Campus	253	155	59	0	96	233	145	58	0	87	282	10	1	0	9
Adelphi U.	254	152	110	0	42	273	81	81	0	0	135	71	29	0	42
Catholic U. of America	255	151	92	59	0	231	147	89	58	0	307	4	3	1	0
Tennessee Technological U.	255	151	33	118	0	312	34	3	31	0	95	117	30	87	0
U. Texas Rio Grande Valley	257	149	129	20	0	263	90	79	11	0	153	59	50	9	0
U. Puerto Rico, Mayaguez	258	148	56	92	0	235	142	53	89	0	297	6	3	3	0

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
New Mexico Institute of Mining and Technology	259	147	81	66	0	243	119	71	48	0	220	28	10	18	0
Kennesaw State U.	260	141	103	38	0	247	111	76	35	0	211	30	27	3	0
Florida A&M U.	261	140	46	65	29	239	126	36	63	27	261	14	10	2	2
Wright State U.	262	138	58	80	0	249	108	50	58	0	211	30	8	22	0
California Institute of Integral Studies	262	138	138	0	0	285	64	64	0	0	131	74	74	0	0
Andrews U.	264	135	32	0	103	237	135	32	0	103	349	0	0	0	0
U. New Orleans	264	135	94	41	0	278	73	46	27	0	148	62	48	14	0
Rush U.	266	134	51	0	83	265	89	51	0	38	178	45	0	0	45
U. Missouri, Saint Louis	266	134	117	0	17	270	85	84	0	1	170	49	33	0	16
A. T. Still U.	268	132	0	0	132	261	98	0	0	98	198	34	0	0	34
Barry U.	268	132	61	0	71	300	47	28	0	19	120	85	33	0	52
U. Bridgeport	268	132	0	23	109	330	23	0	10	13	100	109	0	13	96
Ball State U.	271	129	129	0	0	278	73	73	0	0	160	56	56	0	0
South Dakota School of Mines and Technology	272	125	52	73	0	253	105	41	64	0	239	20	11	9	0
Villanova U.	273	124	0	103	21	265	89	0	73	16	195	35	0	30	5
Clark U.	274	121	121	0	0	244	118	118	0	0	314	3	3	0	0
DePaul U.	274	121	121	0	0	312	34	34	0	0	118	87	87	0	0
Pardee RAND Graduate School	276	120	120	0	0	242	120	120	0	0	349	0	0	0	0
SUNY, Downstate Health Sciences U.	276	120	47	5	68	295	53	45	5	3	139	67	2	0	65
U. Nebraska, Omaha	278	119	119	0	0	287	60	60	0	0	153	59	59	0	0
Gerstner Sloan-Kettering Graduate School of Biomedical Sciences	279	116	116	0	0	245	116	116	0	0	349	0	0	0	0
Tennessee State U.	279	116	92	24	0	272	83	67	16	0	201	33	25	8	0
U. Dayton	281	115	27	88	0	246	115	27	88	0	349	0	0	0	0
Hofstra U.	282	111	111	0	0	254	104	104	0	0	294	7	7	0	0
Harrisburg U. of Science and Technology	283	109	89	20	0	257	101	82	19	0	288	8	7	1	0
U. Michigan, Flint	284	106	7	0	99	262	96	3	0	93	282	10	4	0	6
Central Michigan U.	285	102	102	0	0	312	34	34	0	0	138	68	68	0	0
City of Hope, Irell and Manella Graduate School of Biological Sciences	286	100	100	0	0	258	100	100	0	0	349	0	0	0	0
U. North Texas, Health Science Center	286	100	82	0	18	258	100	82	0	18	349	0	0	0	0
Illinois State U.	286	100	73	0	27	281	70	70	0	0	211	30	3	0	27
Yeshiva U.	289	98	98	0	0	283	68	68	0	0	211	30	30	0	0
Texas A&M U.-Corpus Christi	290	96	96	0	0	270	85	85	0	0	278	11	11	0	0
Middle Tennessee State U.	290	96	96	0	0	337	19	19	0	0	127	77	77	0	0
Texas Christian U.	292	91	75	0	16	265	89	74	0	15	323	2	1	0	1
Naval Postgraduate School	293	90	35	55	0	263	90	35	55	0	349	0	0	0	0
Meharry Medical C.	294	88	61	0	27	268	88	61	0	27	349	0	0	0	0
U. of the Pacific	295	87	45	0	42	329	24	23	0	1	146	63	22	0	41

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Massachusetts C. of Pharmacy and Health Sciences	296	85	12	0	73	312	34	12	0	22	165	51	0	0	51
Towson U.	297	83	73	0	10	290	59	55	0	4	232	24	18	0	6
Sam Houston State U.	298	79	79	0	0	310	37	37	0	0	185	42	42	0	0
U. Indianapolis	298	79	0	0	79	365	9	0	0	9	136	70	0	0	70
Wesleyan U.	300	75	75	0	0	276	75	75	0	0	349	0	0	0	0
Arkansas State U.	300	75	75	0	0	304	42	42	0	0	201	33	33	0	0
Saint Joseph's U.	302	74	54	0	20	322	30	23	0	7	179	44	31	0	13
National Louis U.	303	73	73	0	0	287	60	60	0	0	264	13	13	0	0
Endicott C.	304	72	51	0	21	355	13	13	0	0	153	59	38	0	21
Tuskegee U.	305	70	63	7	0	284	66	60	6	0	307	4	3	1	0
Chapman U.	306	68	44	0	24	301	46	29	0	17	234	22	15	0	7
Pace U.	307	64	64	0	0	331	21	21	0	0	181	43	43	0	0
Delaware State U.	308	62	62	0	0	287	60	60	0	0	323	2	2	0	0
Santa Clara U.	309	61	0	61	0	317	33	0	33	0	220	28	0	28	0
U. Texas, Tyler	310	60	29	30	1	305	41	20	20	1	242	19	9	10	0
Van Andel Research Institute	311	59	59	0	0	290	59	59	0	0	349	0	0	0	0
Albany Medical C.	312	57	57	0	0	292	57	57	0	0	349	0	0	0	0
Texas A&M U.-Kingsville	312	57	20	37	0	322	30	15	15	0	222	27	5	22	0
Cedars-Sinai Medical Center	314	56	56	0	0	293	56	56	0	0	349	0	0	0	0
Sanford Burnham Prebys Medical Discovery Institute	315	53	53	0	0	295	53	53	0	0	349	0	0	0	0
Marshall U.	315	53	48	5	0	298	51	46	5	0	323	2	2	0	0
Cold Spring Harbor Laboratory	317	52	52	0	0	297	52	52	0	0	349	0	0	0	0
Lamar U.	317	52	0	52	0	343	17	0	17	0	195	35	0	35	0
U. North Carolina, Wilmington	319	51	51	0	0	303	45	45	0	0	297	6	6	0	0
U. Central Arkansas	319	51	46	0	5	319	31	31	0	0	239	20	15	0	5
Bowie State U.	321	50	50	0	0	353	14	14	0	0	191	36	36	0	0
Creighton U.	322	48	47	0	1	301	46	45	0	1	323	2	2	0	0
Stephen F. Austin State U.	322	48	48	0	0	340	18	18	0	0	211	30	30	0	0
Antioch U.	324	47	47	0	0	308	38	38	0	0	284	9	9	0	0
Tarleton State U.	324	47	47	0	0	312	34	34	0	0	264	13	13	0	0
Oklahoma State U., Center for Health Sciences	324	47	47	0	0	351	15	15	0	0	206	32	32	0	0
Mercer U.	327	46	0	0	46	306	40	0	0	40	297	6	0	0	6
U. San Diego	327	46	0	0	46	376	4	0	0	4	185	42	0	0	42
Molloy C.	329	45	0	0	45	379	1	0	0	1	179	44	0	0	44
New York Institute of Technology	330	44	13	23	8	308	38	9	21	8	297	6	4	2	0
Simmons U.	331	42	38	0	4	384	0	0	0	0	185	42	38	0	4
Azusa Pacific U.	332	40	0	0	40	319	31	0	0	31	284	9	0	0	9

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Toyota Technological Institute, Chicago	333	39	39	0	0	307	39	39	0	0	349	0	0	0	0
Biola U.	333	39	39	0	0	310	37	37	0	0	323	2	2	0	0
Western New England U.	333	39	33	6	0	347	16	10	6	0	233	23	23	0	0
Suffolk U.	336	37	37	0	0	340	18	18	0	0	242	19	19	0	0
Gallaudet U.	336	37	29	0	8	343	17	15	0	2	239	20	14	0	6
Texas Southern U.	338	35	19	0	16	327	27	14	0	13	288	8	5	0	3
Indiana U. Pennsylvania	338	35	35	0	0	347	16	16	0	0	242	19	19	0	0
U. Tennessee, Chattanooga	340	34	34	0	0	347	16	16	0	0	250	18	18	0	0
New York Medical C.	341	33	33	0	0	317	33	33	0	0	349	0	0	0	0
James Madison U.	342	32	32	0	0	319	31	31	0	0	337	1	1	0	0
Bryn Mawr C.	343	31	31	0	0	325	28	28	0	0	314	3	3	0	0
Indiana State U.	343	31	31	0	0	334	20	20	0	0	278	11	11	0	0
Thomas Jefferson U.	343	31	31	0	0	340	18	18	0	0	264	13	13	0	0
Montana Technological U.	346	30	17	13	0	358	12	7	5	0	250	18	10	8	0
Keck Graduate Institute	347	29	29	0	0	324	29	29	0	0	349	0	0	0	0
U. Northern Iowa	347	29	29	0	0	343	17	17	0	0	273	12	12	0	0
U. of the District of Columbia	347	29	29	0	0	351	15	15	0	0	261	14	14	0	0
Northern Kentucky U.	350	28	0	0	28	325	28	0	0	28	349	0	0	0	0
Pennsylvania Western U.	351	26	26	0	0	384	0	0	0	0	224	26	26	0	0
Wilkes U.	351	26	0	0	26	384	0	0	0	0	224	26	0	0	26
Rosalind Franklin U. of Medicine and Science	353	25	25	0	0	328	25	25	0	0	349	0	0	0	0
Norfolk State U.	353	25	25	0	0	343	17	17	0	0	288	8	8	0	0
U. West Georgia	353	25	25	0	0	366	8	8	0	0	253	17	17	0	0
U. Alaska, Anchorage	356	24	24	0	0	337	19	19	0	0	303	5	5	0	0
Lipscomb U.	356	24	24	0	0	370	5	5	0	0	242	19	19	0	0
Robert Morris U.	358	22	22	0	0	331	21	21	0	0	337	1	1	0	0
U. Louisiana, Monroe	358	22	7	0	15	331	21	6	0	15	337	1	1	0	0
Polytechnic U. Puerto Rico	358	22	0	22	0	370	5	0	5	0	253	17	0	17	0
California Baptist U.	361	21	21	0	0	334	20	20	0	0	337	1	1	0	0
American Museum of Natural History	362	20	20	0	0	334	20	20	0	0	349	0	0	0	0
North Carolina Central U.	362	20	20	0	0	337	19	19	0	0	337	1	1	0	0
Hampton U.	364	19	9	0	10	368	7	5	0	2	273	12	4	0	8
Springfield C.	365	18	0	0	18	347	16	0	0	16	323	2	0	0	2
Alabama State U.	365	18	18	0	0	370	5	5	0	0	264	13	13	0	0
Virginia State U.	367	16	16	0	0	358	12	12	0	0	307	4	4	0	0
Xavier U.	367	16	0	0	16	384	0	0	0	0	257	16	0	0	16
Elmezzzi Graduate School of Molecular Medicine	369	14	14	0	0	353	14	14	0	0	349	0	0	0	0

Table 4-3. Institutional rankings for doctoral students: 2024

(Number)

Institution	All doctoral students					Full-time doctoral students					Part-time doctoral students				
	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health	Rank	Total	Science	Engineering	Health
Alfred U.	369	14	0	14	0	355	13	0	13	0	337	1	0	1	0
U. Central del Caribe	371	13	13	0	0	355	13	13	0	0	349	0	0	0	0
Salus U.	371	13	13	0	0	361	11	11	0	0	323	2	2	0	0
U. Dallas	371	13	13	0	0	362	10	10	0	0	314	3	3	0	0
Youngstown State U.	371	13	13	0	0	362	10	10	0	0	314	3	3	0	0
Lawrence Technological U.	371	13	0	13	0	379	1	0	1	0	273	12	0	12	0
U. New Haven	376	12	0	12	0	358	12	0	12	0	349	0	0	0	0
SUNY, C. of Optometry	376	12	12	0	0	362	10	10	0	0	323	2	2	0	0
Northeast Ohio Medical U.	376	12	0	0	12	379	1	0	0	1	278	11	0	0	11
U. North Alabama	379	11	0	0	11	369	6	0	0	6	303	5	0	0	5
California State U., Long Beach	380	10	0	10	0	379	1	0	1	0	284	9	0	9	0
Coastal Carolina U.	381	9	9	0	0	370	5	5	0	0	307	4	4	0	0
Oklahoma City U.	381	9	0	0	9	377	3	0	0	3	297	6	0	0	6
U. Detroit Mercy	383	8	0	8	0	366	8	0	8	0	349	0	0	0	0
West Texas A&M U.	383	8	8	0	0	377	3	3	0	0	303	5	5	0	0
Des Moines U.	385	7	7	0	0	370	5	5	0	0	323	2	2	0	0
Lincoln Memorial U.	385	7	7	0	0	384	0	0	0	0	294	7	7	0	0
Lake Erie C. Osteopathic Medicine	387	5	5	0	0	370	5	5	0	0	349	0	0	0	0
U. Hawaii, Hilo	388	2	0	0	2	384	0	0	0	0	323	2	0	0	2
U. North Florida	388	2	2	0	0	384	0	0	0	0	323	2	2	0	0
Western U. of Health Sciences	390	1	0	0	1	379	1	0	0	1	349	0	0	0	0
C. Charleston	390	1	1	0	0	384	0	0	0	0	337	1	1	0	0
St. Thomas U., Miami Gardens	390	1	1	0	0	384	0	0	0	0	337	1	1	0	0
U. of the Incarnate Word	390	1	1	0	0	384	0	0	0	0	337	1	1	0	0

- = no value (rank) possible.

^a All institutions totals include imputed totals for nonresponding institutions; nonresponding institutions totals are not shown separately.^b In 2024, Eastern Virginia Medical School merged into Old Dominion University.**Note(s):**Sorted by overall number of doctoral students. Tied institutions are ranked first by number of full-time doctoral students and then alphabetically. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see [table A-6](#).**Source(s):**

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

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
All institutions ^a	-	69,877	39,702	9,545	20,630
Harvard U.	1	5,813	1,860	219	3,734
Stanford U.	2	2,645	1,235	426	984
Johns Hopkins U.	3	1,832	644	170	1,018
U. Minnesota	4	1,687	842	163	682
Columbia U. in the City of New York	5	1,618	639	176	803
Yale U.	6	1,458	836	93	529
Massachusetts Institute of Technology	7	1,452	720	732	0
U. California, Berkeley	8	1,413	1,056	323	34
U. Michigan	9	1,333	639	265	429
U. Pennsylvania	10	1,288	777	130	381
U. California, San Diego	11	1,236	556	173	507
U. California, San Francisco	12	1,175	283	51	841
Cornell U.	13	1,128	666	152	310
Northwestern U.	14	1,090	592	157	341
U. California, Los Angeles	15	1,041	653	134	254
Washington U., Saint Louis	16	1,022	455	75	492
U. Wisconsin-Madison	17	911	500	128	283
Rutgers, State U. New Jersey	18	903	378	21	504
New York U.	19	831	538	28	265
U. Pittsburgh	20	826	245	64	517
U. Florida	21	790	464	87	239
Princeton U.	22	784	589	195	0
U. Colorado	23	723	424	101	198
Duke U.	24	718	476	97	145
U. North Carolina, Chapel Hill	25	706	409	13	284
U. Washington	26	699	434	58	207
U. Chicago	27	696	454	105	137
U. California, Davis	28	679	486	89	104
U. Texas Southwestern Medical Center	29	602	279	16	307
U. Texas M. D. Anderson Cancer Center	30	595	118	0	477
Emory U.	31	586	248	30	308
Texas A&M U.	32	580	387	133	60
Michigan State U.	33	576	490	52	34
California Institute of Technology	34	574	448	126	0
Ohio State U.	35	555	259	75	221
Baylor C. of Medicine	36	546	475	0	71
Purdue U.	37	534	295	184	55
U. Texas, Austin	37	534	345	161	28
U. Illinois, Urbana-Champaign	39	531	324	197	10
Icahn School of Medicine at Mt. Sinai	40	527	527	0	0
North Carolina State U.	41	520	349	167	4
Indiana U.	42	486	291	0	195
U. Arizona	43	431	331	73	27
U. Southern California	43	431	202	75	154
Vanderbilt U.	45	417	253	38	126
Pennsylvania State U.	46	416	308	103	5
U. Maryland, The	47	408	320	79	9
U. Virginia	48	398	260	45	93
U. California, Irvine	49	389	248	68	73
U. Missouri, Columbia	50	381	226	37	118
U. Texas Health Science Center, Houston	51	369	0	0	369
Northeastern U.	52	354	178	88	88

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
Georgia Institute of Technology	53	352	160	192	0
SUNY, U. Buffalo	54	345	269	49	27
U. Iowa	55	331	135	29	167
Brown U.	56	322	251	46	25
Boston U.	57	320	209	56	55
U. Illinois, Chicago	58	314	124	30	160
Arizona State U.	59	311	209	97	5
U. Central Florida	60	309	144	151	14
Virginia Polytechnic Institute and State U.	61	308	222	84	2
U. Georgia	62	305	265	20	20
SUNY, Stony Brook U.	63	303	221	29	53
U. California, Santa Barbara	64	299	212	87	0
U. Alabama, Birmingham	65	296	107	23	166
Scripps Research Institute	66	292	292	0	0
U. Utah	67	283	224	26	33
Louisiana State U.	68	279	223	16	40
U. South Florida, Tampa	69	275	218	21	36
Florida International U.	70	274	211	50	13
U. Massachusetts Chan Medical School	71	272	272	0	0
Florida State U.	72	269	214	47	8
Iowa State U.	73	268	207	61	0
U. Miami	74	264	130	14	120
Case Western Reserve U.	75	243	149	39	55
U. Connecticut	76	242	198	25	19
U. Oklahoma	76	242	136	44	62
Oregon Health and Science U.	78	241	147	19	75
Albert Einstein C. of Medicine	79	240	157	0	83
U. Cincinnati	80	234	60	19	155
Colorado State U., Fort Collins	81	232	195	20	17
Rice U.	82	231	134	97	0
U. California, Riverside	83	229	169	57	3
U. Kentucky	84	223	186	16	21
Oregon State U.	85	214	160	33	21
U. Houston	86	212	143	58	11
Rockefeller U.	87	207	207	0	0
Dartmouth C.	88	206	170	35	1
U. Kansas	89	203	101	23	79
City of Hope, Irell and Manella Graduate School of Biological Sciences	90	197	197	0	0
Carnegie Mellon U.	91	187	141	46	0
Virginia Commonwealth U.	92	185	87	21	77
U. Texas Health Science Center, San Antonio	93	178	106	0	72
U. California, Santa Cruz	94	176	163	13	0
U. Massachusetts, Amherst	95	175	116	56	3
U. Hawaii, Manoa	96	173	141	16	16
Tufts U.	97	170	117	46	7
U. Notre Dame	98	165	120	44	1
U. Rochester	99	163	100	23	40
U. Delaware	100	162	92	67	3
Washington State U.	101	160	116	34	10
U. Tennessee, Knoxville	102	158	100	55	3
U. Nebraska-Lincoln	103	149	123	25	1
Medical C. Wisconsin	104	145	70	4	71
Georgetown U.	105	143	136	0	7

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
Cold Spring Harbor Laboratory	106	142	142	0	0
Clemson U.	107	138	91	41	6
Tulane U.	108	135	127	2	6
Medical U. South Carolina	109	134	62	1	71
U. Nebraska, Medical Center	109	134	36	0	98
Augusta U.	111	133	92	0	41
U. Oregon	112	132	123	0	9
Woods Hole Oceanographic Institution	112	132	114	18	0
Texas Tech U.	114	131	93	21	17
Auburn U.	115	130	110	13	7
Wayne State U.	115	130	86	6	38
Temple U.	117	119	75	5	39
Howard U.	118	118	31	7	80
U. South Carolina	119	114	54	33	27
San Diego State U.	120	112	78	22	12
Wake Forest U.	121	109	49	23	37
U. Texas, Dallas	122	108	72	33	3
Brandeis U.	123	107	107	0	0
U. Mississippi	124	106	73	4	29
U. New Mexico	125	104	73	16	15
U. Idaho	126	100	90	10	0
U. Vermont	127	94	77	2	15
Drexel U.	128	90	47	33	10
U. Tennessee, Health Science Center	128	90	47	0	43
George Washington U.	130	89	39	23	27
Georgia State U.	130	89	84	0	5
U. Louisville	130	89	39	15	35
Kansas State U.	133	77	69	8	0
Boston C.	134	76	68	7	1
George Mason U.	135	75	62	9	4
U. at Albany	135	75	44	13	18
U. Texas, Arlington	135	75	31	41	3
Syracuse U.	138	73	62	11	0
Baylor U.	139	70	56	9	5
Colorado School of Mines	140	67	17	50	0
North Dakota State U.	140	67	52	11	4
U. Texas Medical Branch at Galveston	140	67	67	0	0
Oklahoma State U.	143	66	53	13	0
Sanford Burnham Prebys Medical Discovery Institute	143	66	66	0	0
U. Alabama, Tuscaloosa	143	66	38	28	0
U. Arkansas, Fayetteville	143	66	32	34	0
U. California, Merced	143	66	43	22	1
Van Andel Research Institute	148	65	65	0	0
Southern Methodist U.	149	64	41	23	0
Texas State U.	149	64	44	18	2
U. Texas, San Antonio	149	64	44	14	6
U. New Hampshire	152	62	46	16	0
U. North Texas, Denton	152	62	40	22	0
West Virginia U.	152	62	43	18	1
U. Wyoming	155	60	44	15	1
U. Nevada, Reno	156	58	48	10	0
Lehigh U.	157	57	31	25	1
Missouri U. of Science and Technology	158	56	20	36	0

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
U. Maryland, Baltimore County	158	56	53	3	0
New Mexico State U.	160	55	43	11	1
U. Arkansas for Medical Sciences	161	54	29	7	18
U. Nevada, Las Vegas	162	53	45	4	4
U. Toledo	162	53	35	3	15
Florida Atlantic U.	164	52	41	8	3
Morgan State U.	164	52	26	20	6
U. Maine	164	52	45	7	0
Utah State U.	167	51	43	7	1
CUNY, City C.	168	50	30	20	0
Northern Arizona U.	169	48	45	2	1
U. Louisiana, Lafayette	170	46	31	13	2
U. Montana	171	43	30	0	13
Elmezzi Graduate School of Molecular Medicine	172	42	42	0	0
Old Dominion U. ^b	172	42	33	7	2
U. North Carolina, Charlotte	172	42	33	9	0
U. Texas, El Paso	172	42	31	10	1
U. Wisconsin-Milwaukee	172	42	25	17	0
Mississippi State U.	177	40	39	1	0
Uniformed Services U. of the Health Sciences	177	40	35	2	3
Montana State U.	179	39	34	5	0
U. Alaska, Fairbanks	179	39	33	5	1
Rowan U.	181	38	23	12	3
Saint Louis U.	182	37	36	1	0
Loyola U., Chicago	183	36	32	0	4
U. Rhode Island	184	35	28	2	5
North Carolina Agricultural and Technical State U.	185	33	21	12	0
Worcester Polytechnic Institute	185	33	22	11	0
American Museum of Natural History	187	32	32	0	0
Rochester Institute of Technology	187	32	25	7	0
U. Memphis	187	32	23	8	1
SUNY, C. of Environmental Science and Forestry	190	30	23	7	0
William and Mary	190	30	30	0	0
Boise State U.	192	28	19	9	0
Michigan Technological U.	192	28	13	14	1
U. Massachusetts, Lowell	192	28	16	12	0
Wesleyan U.	195	26	26	0	0
SUNY, Upstate Medical U.	196	25	13	0	12
U. Puerto Rico, Medical Sciences Campus	196	25	10	0	15
U. North Dakota	198	24	24	0	0
U. Texas, Tyler	199	23	14	1	8
Chapman U.	200	22	15	2	5
East Carolina U.	200	22	20	0	2
South Dakota State U.	200	22	19	3	0
Texas A&M U.-Corpus Christi	200	22	16	6	0
U. North Carolina, Greensboro	204	21	20	1	0
Creighton U.	205	20	19	0	1
Kent State U.	205	20	18	1	1
Ohio U.	205	20	17	2	1
Marquette U.	208	19	13	6	0
Nova Southeastern U.	208	19	9	0	10
Portland State U.	208	19	18	1	0
U. South Alabama	211	18	14	3	1

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
New York Medical C.	212	17	17	0	0
Saint Joseph's U.	212	17	0	0	17
Tennessee State U.	212	17	16	1	0
U. Alabama, Huntsville	212	17	17	0	0
U. North Texas, Health Science Center	212	17	17	0	0
U. Texas Rio Grande Valley	217	16	15	1	0
Villanova U.	217	16	6	10	0
Albany Medical C.	219	15	15	0	0
Catholic U. of America	219	15	11	4	0
Central Michigan U.	219	15	11	3	1
Northern Illinois U.	219	15	14	1	0
Clarkson U.	223	13	3	10	0
Southern Illinois U., Carbondale	223	13	12	0	1
Tuskegee U.	223	13	9	4	0
U. Missouri, Kansas City	223	13	6	2	5
U. South Dakota	223	13	13	0	0
U. Southern Mississippi	223	13	10	3	0
West Virginia State U.	223	13	13	0	0
U. Dayton	230	12	11	1	0
Western Michigan U.	231	11	4	7	0
Kennesaw State U.	232	10	9	1	0
Rosalind Franklin U. of Medicine and Science	232	10	10	0	0
San Francisco State U.	232	10	9	1	0
U. Denver	232	10	7	3	0
U. Massachusetts, Boston	232	10	10	0	0
U. Massachusetts, Dartmouth	232	10	8	2	0
U. Puerto Rico, Rio Piedras	232	10	10	0	0
Montana Technological U.	239	9	9	0	0
Naval Postgraduate School	239	9	4	5	0
SUNY, Downstate Health Sciences U.	239	9	5	1	3
Cleveland State U.	242	8	8	0	0
Marshall U.	242	8	6	0	2
Miami U.	242	8	6	2	0
Oakland U.	242	8	2	0	6
South Dakota School of Mines and Technology	242	8	5	3	0
U. Akron	242	8	3	5	0
U. Missouri, Saint Louis	242	8	8	0	0
Wright State U.	242	8	7	1	0
American U.	250	7	7	0	0
Idaho State U.	250	7	7	0	0
U. San Diego	250	7	7	0	0
Western Washington U.	250	7	7	0	0
Bucknell U.	254	6	4	2	0
Charles R. Drew U. of Medicine and Science	254	6	6	0	0
Clark U.	254	6	6	0	0
Florida Institute of Technology	254	6	4	2	0
Keck Graduate Institute	254	6	2	0	4
Louisiana Tech U.	254	6	1	5	0
Midwestern U.	254	6	2	0	4
Tennessee Technological U.	254	6	5	1	0
Texas Christian U.	254	6	5	0	1
U. Nebraska, Omaha	254	6	6	0	0
U. Tulsa	254	6	1	5	0

Table 4-4. Institutional rankings for postdoctoral appointees: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
Western U. of Health Sciences	254	6	1	0	5
Alfred U.	266	5	0	5	0
Bowling Green State U.	266	5	5	0	0
Toyota Technological Institute, Chicago	266	5	5	0	0
East Tennessee State U.	269	4	3	0	1
Hampton U.	269	4	4	0	0
New School	269	4	4	0	0
Northeast Ohio Medical U.	269	4	4	0	0
Robert Morris U.	269	4	0	4	0
Smith C.	269	4	4	0	0
Texas A&M U.-Kingsville	269	4	3	1	0
U. Alaska, Anchorage	269	4	3	0	1
U. Guam	269	4	4	0	0
Arkansas State U.	278	3	3	0	0
Florida A&M U.	278	3	1	2	0
Mercer U.	278	3	3	0	0
New York Institute of Technology	278	3	3	0	0
SUNY, C. of Optometry	278	3	3	0	0
Texas Southern U.	278	3	2	0	1
U. New England	278	3	0	0	3
A. T. Still U.	285	2	0	0	2
California State U., Long Beach	285	2	2	0	0
CUNY, C. Staten Island	285	2	2	0	0
Hofstra U.	285	2	0	2	0
Illinois State U.	285	2	2	0	0
Southern Illinois U., Edwardsville	285	2	2	0	0
Texas A&M U., San Antonio	285	2	2	0	0
Trinity C., Hartford	285	2	2	0	0
U. Alaska, Southeast	285	2	2	0	0
U. Arkansas, Pine Bluff	285	2	2	0	0
U. New Orleans	285	2	2	0	0
U. North Carolina, Wilmington	285	2	2	0	0
U. North Florida	285	2	0	2	0
U. Northern Colorado	285	2	2	0	0
Wichita State U.	285	2	2	0	0
Ball State U.	300	1	1	0	0
CUNY, Brooklyn C.	300	1	1	0	0
Des Moines U.	300	1	1	0	0
Duquesne U.	300	1	1	0	0
Loyola Marymount U.	300	1	1	0	0
Monmouth U.	300	1	1	0	0
Murray State U.	300	1	1	0	0
Norfolk State U.	300	1	1	0	0
U. Central del Caribe	300	1	1	0	0
U. Dallas	300	1	1	0	0
U. of the Pacific	300	1	0	0	1

- = no value (rank) possible.

^a All institutions totals include imputed totals for nonresponding institutions; nonresponding institutions totals are not shown separately.

^b In 2024, Eastern Virginia Medical School merged into Old Dominion University.

Note(s):

Tied institutions are ranked alphabetically. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see [table A-6](#).

Source(s):

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

Table 4-5. Institutional rankings for doctorate-holding nonfaculty researchers: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
All institutions ^a	-	35,142	20,566	4,436	10,140
Harvard U.	1	1,223	543	49	631
U. California, San Francisco	2	1,093	260	31	802
U. Wisconsin-Madison	3	1,034	520	81	433
Stanford U.	4	939	468	98	373
U. Minnesota	5	934	464	103	367
U. Colorado	6	925	656	96	173
U. Arizona	7	879	757	36	86
U. California, Los Angeles	7	879	457	45	377
U. Illinois, Chicago	9	874	174	37	663
U. California, San Diego	10	852	360	108	384
Columbia U. in the City of New York	11	846	421	88	337
Georgia Institute of Technology	12	603	178	425	0
U. Washington	12	603	367	33	203
Washington U., Saint Louis	14	596	251	20	325
U. California, Berkeley	15	555	446	75	34
U. Pennsylvania	16	552	220	8	324
Indiana U.	17	533	341	3	189
U. Maryland, The	18	494	394	79	21
Ohio State U.	19	477	192	64	221
U. Iowa	20	459	193	56	210
Duke U.	21	438	236	50	152
Cornell U.	22	409	283	41	85
U. Chicago	23	406	230	14	162
U. California, Davis	24	403	277	40	86
North Carolina State U.	25	402	286	98	18
Northwestern U.	26	398	138	40	220
Case Western Reserve U.	27	389	252	58	79
U. Texas, Austin	28	387	227	143	17
U. Miami	29	377	174	6	197
U. California, Irvine	30	370	184	44	142
U. North Carolina, Chapel Hill	31	353	226	2	125
U. Michigan	32	326	146	58	122
New York U.	33	321	133	9	179
Princeton U.	33	321	261	60	0
California Institute of Technology	35	317	284	33	0
Texas A&M U.	36	306	229	26	51
City of Hope, Irell and Manella Graduate School of Biological Sciences	37	303	303	0	0
U. Oklahoma	38	290	185	36	69
U. Alabama, Birmingham	39	286	109	7	170
Arizona State U.	40	275	202	60	13
Emory U.	41	266	105	11	150
U. Oregon	42	257	225	0	32
Virginia Polytechnic Institute and State U.	43	253	182	69	2
U. Kansas	44	238	141	9	88
U. South Florida, Tampa	44	238	186	17	35
Vanderbilt U.	46	235	95	20	120
Purdue U.	47	234	105	84	45
Oregon Health and Science U.	48	232	150	15	67
Oregon State U.	49	231	192	28	11
U. Virginia	49	231	128	28	75
Colorado State U., Fort Collins	51	221	181	34	6
U. Maryland, Baltimore County	52	213	209	4	0

Table 4-5. Institutional rankings for doctorate-holding nonfaculty researchers: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
West Virginia U.	53	211	118	23	70
U. California, Santa Barbara	54	204	162	42	0
U. Louisiana, Lafayette	55	197	67	98	32
U. Cincinnati	56	190	34	2	154
Boston U.	57	189	88	51	50
Georgetown U.	58	187	151	0	36
U. Pittsburgh	59	182	54	12	116
Rockefeller U.	60	181	181	0	0
U. Illinois, Urbana-Champaign	61	169	114	46	9
U. Southern California	62	166	79	22	65
U. California, Santa Cruz	63	151	145	6	0
Sanford Burnham Prebys Medical Discovery Institute	64	148	148	0	0
Old Dominion U. ^b	65	147	107	31	9
U. Nevada, Reno	66	141	96	24	21
Utah State U.	66	141	41	97	3
George Mason U.	68	140	88	36	16
U. Missouri, Columbia	68	140	104	9	27
Montana State U.	70	136	109	27	0
Brown U.	71	133	126	3	4
Northeastern U.	72	130	99	24	7
U. Louisville	73	123	27	18	78
Brandeis U.	74	116	116	0	0
U. Hawaii, Manoa	74	116	115	1	0
SUNY, Stony Brook U.	76	112	71	13	28
Scripps Research Institute	77	110	110	0	0
Clemson U.	78	107	63	39	5
U. Maine	79	104	65	38	1
U. Utah	80	103	75	17	11
U. Dayton	81	102	102	0	0
CUNY, City C.	82	98	73	23	2
U. California, Riverside	83	96	80	15	1
Wayne State U.	84	95	61	10	24
Michigan State U.	85	93	81	2	10
Tufts U.	86	89	83	5	1
U. Nebraska-Lincoln	86	89	80	9	0
Morgan State U.	88	88	68	13	7
Texas Tech U.	88	88	62	16	10
U. Rochester	88	88	50	6	32
Iowa State U.	91	86	62	23	1
Florida Atlantic U.	92	85	60	13	12
Medical C. Wisconsin	93	84	30	0	54
Michigan Technological U.	94	83	34	49	0
San Diego State U.	94	83	60	4	19
Rice U.	96	82	60	21	1
George Washington U.	97	81	50	8	23
U. Alabama, Huntsville	98	80	56	24	0
Woods Hole Oceanographic Institution	99	78	56	22	0
U. Texas Health Science Center, San Antonio	100	77	47	0	30
Van Andel Research Institute	101	75	75	0	0
U. Montana	102	69	45	0	24
North Carolina Agricultural and Technical State U.	103	68	54	14	0
U. New Hampshire	104	67	63	3	1
Carnegie Mellon U.	105	65	39	26	0

Table 4-5. Institutional rankings for doctorate-holding nonfaculty researchers: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
U. North Dakota	106	63	14	45	4
U. Mississippi	107	62	14	12	36
North Dakota State U.	108	61	51	9	1
U. at Albany	108	61	50	10	1
U. Texas, San Antonio	108	61	47	13	1
U. Toledo	108	61	36	6	19
U. Tennessee, Knoxville	112	59	34	22	3
Medical U. South Carolina	113	58	27	0	31
Oklahoma State U.	114	57	52	4	1
Louisiana State U.	115	56	42	11	3
Mercer U.	115	56	24	30	2
U. Texas, Dallas	117	55	32	22	1
U. Houston	118	54	26	9	19
Catholic U. of America	119	52	50	2	0
U. Wyoming	119	52	45	6	1
U. Nevada, Las Vegas	121	51	35	6	10
Boston C.	122	50	45	0	5
Wake Forest U.	123	49	20	16	13
U. Idaho	124	48	48	0	0
U. Missouri, Kansas City	124	48	28	7	13
Drexel U.	126	46	28	12	6
Howard U.	127	43	29	1	13
New Mexico State U.	127	43	39	2	2
U. Georgia	127	43	40	1	2
U. Memphis	127	43	29	6	8
Augusta U.	131	42	29	0	13
Tulane U.	131	42	40	2	0
Colorado School of Mines	133	41	10	31	0
Dartmouth C.	133	41	23	18	0
U. Wisconsin-Milwaukee	133	41	31	6	4
Lehigh U.	136	40	17	17	6
Auburn U.	137	39	23	15	1
Ohio U.	138	38	23	9	6
U. Massachusetts, Amherst	139	37	30	7	0
U. Texas, El Paso	139	37	16	14	7
SUNY, U. Buffalo	141	36	27	1	8
U. Massachusetts, Lowell	141	36	15	17	4
U. Texas, Arlington	141	36	8	21	7
Florida International U.	144	35	22	13	0
Kansas State U.	145	34	30	4	0
U. Denver	146	33	32	1	0
Elmezzzi Graduate School of Molecular Medicine	147	30	30	0	0
Missouri U. of Science and Technology	147	30	13	17	0
Northern Illinois U.	147	30	28	1	1
Boise State U.	150	27	17	10	0
Kent State U.	150	27	23	1	3
Baylor U.	152	24	18	3	3
U. Central Florida	152	24	17	7	0
U. Rhode Island	152	24	21	1	2
U. Alabama, Tuscaloosa	155	23	10	13	0
U. Arkansas, Fayetteville	155	23	9	14	0
Texas State U.	157	19	12	7	0
U. Alaska, Fairbanks	157	19	19	0	0

Table 4-5. Institutional rankings for doctorate-holding nonfaculty researchers: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
U. New Mexico	157	19	17	2	0
U. South Carolina	157	19	9	5	5
U. Vermont	157	19	8	2	9
California State U., Long Beach	162	18	9	6	3
Miami U.	162	18	16	2	0
U. California, Merced	162	18	10	8	0
U. North Carolina, Charlotte	162	18	14	4	0
U. North Texas, Denton	162	18	13	5	0
U. Southern Mississippi	162	18	12	2	4
William and Mary	162	18	18	0	0
Nova Southeastern U.	169	17	14	0	3
Portland State U.	169	17	13	4	0
Rochester Institute of Technology	169	17	13	4	0
South Dakota School of Mines and Technology	172	16	5	11	0
Tennessee State U.	172	16	10	5	1
Texas A&M U.-Corpus Christi	172	16	16	0	0
Worcester Polytechnic Institute	172	16	5	11	0
Florida State U.	176	15	14	0	1
Johns Hopkins U.	176	15	8	0	7
U. Delaware	176	15	12	2	1
Northern Arizona U.	179	13	10	0	3
Southern Methodist U.	179	13	13	0	0
SUNY, C. of Environmental Science and Forestry	179	13	12	1	0
U. Texas Rio Grande Valley	179	13	11	1	1
Pennsylvania State U.	183	12	10	1	1
Rosalind Franklin U. of Medicine and Science	183	12	12	0	0
Marshall U.	185	11	5	2	4
Rowan U.	185	11	10	1	0
U. Puerto Rico, Medical Sciences Campus	185	11	8	0	3
U. Puerto Rico, Rio Piedras	185	11	11	0	0
Mississippi State U.	189	10	8	2	0
Texas Christian U.	189	10	10	0	0
U. Tulsa	189	10	3	7	0
Wichita State U.	189	10	2	8	0
Wright State U.	189	10	9	1	0
Florida A&M U.	194	9	2	1	6
South Dakota State U.	194	9	9	0	0
Albert Einstein C. of Medicine	196	8	5	0	3
Florida Institute of Technology	196	8	4	4	0
Loyola Marymount U.	196	8	8	0	0
Syracuse U.	196	8	8	0	0
Western Michigan U.	196	8	5	3	0
Clarkson U.	201	7	2	5	0
Hampton U.	201	7	5	0	2
Louisiana Tech U.	201	7	2	5	0
Midwestern U.	201	7	5	0	2
San Francisco State U.	201	7	7	0	0
Southern Illinois U., Carbondale	201	7	7	0	0
Texas Southern U.	201	7	4	0	3
U. South Alabama	201	7	7	0	0
Chapman U.	209	6	5	0	1
U. Massachusetts, Dartmouth	209	6	5	1	0
U. Nebraska, Omaha	209	6	6	0	0

Table 4-5. Institutional rankings for doctorate-holding nonfaculty researchers: 2024

(Number)

Institution	Rank	Total	Science	Engineering	Health
California State U., Fullerton	212	5	2	1	2
Kennesaw State U.	212	5	5	0	0
Montana Technological U.	212	5	5	0	0
Northeast Ohio Medical U.	212	5	3	0	2
Texas A&M U.-Kingsville	212	5	5	0	0
U. Akron	212	5	0	5	0
Western Washington U.	212	5	5	0	0
Albany C. of Pharmacy and Health Sciences	219	4	0	0	4
Ball State U.	219	4	4	0	0
Marquette U.	219	4	1	1	2
Rutgers, State U. New Jersey	219	4	0	0	4
Virginia Commonwealth U.	219	4	4	0	0
Smith C.	224	3	3	0	0
SUNY, C. of Optometry	224	3	3	0	0
U. Alaska, Anchorage	224	3	3	0	0
U. Guam	224	3	3	0	0
U. Tennessee, Health Science Center	224	3	2	0	1
U. Wisconsin-Stevens Point	224	3	3	0	0
California State U., Monterey Bay	230	2	2	0	0
Charles R. Drew U. of Medicine and Science	230	2	2	0	0
U. North Carolina, Wilmington	230	2	2	0	0
U. South Dakota	230	2	2	0	0
Bucknell U.	234	1	1	0	0
Clark U.	234	1	1	0	0
CUNY, C. Staten Island	234	1	1	0	0
Illinois State U.	234	1	1	0	0
James Madison U.	234	1	1	0	0
John Carroll U.	234	1	1	0	0
Kettering U.	234	1	0	1	0
Monmouth U.	234	1	0	1	0
Tuskegee U.	234	1	1	0	0

- = no value (rank) possible.

^a All institutions totals include imputed totals for nonresponding institutions; nonresponding institutions totals are not shown separately.^b In 2024, Eastern Virginia Medical School merged into Old Dominion University.**Note(s):**Tied institutions are ranked alphabetically. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see [table A-6](#).**Source(s):**

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

Supplemental Tables

Some tables historically released in the GSS Data Tables Report are now made available only in the Web-based NCSES Table Builder tool. See [table B-1](#) for a list of the reorganized tables. To access the individual tables directly in the Table Builder tool, please use the links below.

Trends over time: 2017–24

Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science: 2017–24	Table 5-1
Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in engineering: 2017–24	Table 5-2
Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in health: 2017–24	Table 5-3
Citizenship of graduate students and postdoctoral appointees in science: 2017–24	Table 5-4
Citizenship of graduate students and postdoctoral appointees in engineering: 2017–24	Table 5-5
Ethnicity and race of U.S. citizen and permanent resident graduate students in science: 2017–24	Table 5-6
Ethnicity and race of U.S. citizen and permanent resident graduate students in engineering: 2017–24	Table 5-7
Ethnicity and race of U.S. citizen and permanent resident graduate students in health: 2017–24	Table 5-8
Graduate students in engineering broad fields: 2017–24	Table 5-9
Postdoctoral appointees in engineering broad fields: 2017–24	Table 5-10

Demographic characteristics: 2024

Citizenship, ethnicity, and race of graduate students in science, engineering, and health, by detailed field: 2024	Table 6-1
Citizenship, ethnicity, and race of master's students in science, engineering, and health, by detailed field: 2024	Table 6-2
Citizenship, ethnicity, and race of doctorate students in science, engineering, and health, by detailed field: 2024	Table 6-3
Citizenship, ethnicity, and race of postdoctoral appointees in science, engineering, and health, by broad field: 2024	Table 6-4

Sex of master's and doctoral students in science, engineering, and health, by broad field: 2024	Table 6-5
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Sex of postdoctoral appointees and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field: 2024	Table 6-6
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Financial support: 2024

Primary mechanism of support for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Table 7-1
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Institutional characteristics: 2024

Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health at HBCUs, by sex and broad field: 2024	Table 8-1
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Units and institutions with graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by detailed field: 2024	Table 8-2
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Degree type and origin: 2024

Degree type for postdoctoral appointees and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field: 2024	Table 9-1
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Degree origin for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Table 9-2
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Enrollment status: 2024

Enrollment status of master's and doctoral students in science, engineering, and health, by broad field: 2024	Table 10-1
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Technical Notes

Survey Overview (2024 Survey Cycle)

Purpose. The Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) is an annual census of all academic institutions in the United States and its territories (Guam and Puerto Rico) granting research-based master's degrees or doctorates in science, engineering, and selected health (SEH) fields as of the fall of the survey year. Sponsored by the National Center for Science and Engineering Statistics (NCSES) within the U.S. National Science Foundation and by the National Institutes of Health (NIH), the GSS collects counts of graduate students, postdoctoral researchers (postdocs), and doctorate-holding nonfaculty researchers (NFRs) at these institutions by field, demographic characteristics, and other characteristics, such as source and mechanism of financial support. Results are used to assess shifts in graduate enrollment, shifts in postdoc and NFR appointments, and trends in financial support.

Data collection authority. The information collected by the GSS is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. The Office of Management and Budget (OMB) control number is 3145-0062 and expires on 30 September 2026. The disclosure review number is NCSES-DRN25-047.

Survey contractor. RTI International.

Survey sponsors. NCSES and NIH.

Key Survey Information

Frequency. Annual.

Initial survey year. 1966.

Reference period. Fall 2024.

Response unit. Organizational units (e.g., academic departments, degree-granting programs, university-affiliated research centers, and health care facilities) in academic institutions.

Sample or census. Census.

Population size. A total of 23,121 organizational units at 635 academic institutions.

Sample size. Not applicable.

Survey Design

Target population. The survey target population is all academic institutions in the United States and its territories (Guam and Puerto Rico) that grant research-based master's or doctorate degrees in SEH fields. A research-based graduate degree program requires training in and conducting independent research as part of the curriculum. SEH fields are defined based on NCSES's Taxonomy of Disciplines (TOD) and use the Integrated Postsecondary Education Data System (IPEDS)

[Classification of Instructional Programs \(CIP\)](#) codes. This population includes branch campuses, affiliated research centers and health facilities, and separately organized components, such as medical or dental schools, schools of nursing, and schools of public health.

In 2024, the survey universe included 635 institutions with 715 schools and 23,121 organizational units ([table A-1](#)). Data were collected at the organizational-unit level by the field of degree or research for the unit ([table A-2](#)). See the "[Data Comparability](#)" section for more information on changes in eligible institutions.

Sampling frame. The total universe in 2024 included 23,121 organizational units at 635 institutions in the United States that granted research-based master's degrees or doctorates in eligible SEH fields and degree programs. Eligible academic institutions are identified primarily through IPEDS and institution websites.

Sample design. The GSS is a census.

Data Collection and Processing Methods

Data collection. The survey data are collected through coordinators at eligible institutions. Coordinators are assigned by their institution and are responsible for identifying all GSS-eligible units, collecting the requested data, and submitting the data to the survey contractor. GSS eligibility for SEH units is determined by the CIP code associated with the field of degree or the field of research at the unit level, discussed below. Data are collected at the organizational-unit level (e.g., departments, degree-granting programs, research centers, and health facilities) and include field of study, demographic characteristics, and funding information for graduate students and postdocs.

Coordinators query their institutional databases and report data through a file upload. Those unable to provide file uploads can manually enter data into the GSS Web survey. In cases where coordinators are unable to obtain the requested data, coordinators may enlist the aid of others (unit respondents) in their reporting activity. Unit respondents are most commonly used to report detailed financial support data. Institutions may assign multiple coordinators. For example, an institution may have one coordinator for each school within the institution or may have separate coordinators for graduate student data and for postdoc and NFR data. When a new coordinator is needed, the president's office at the institution is asked to designate as coordinator the person most knowledgeable about the graduate student or postdoc data.

Once coordinators are confirmed, they are provided access to the GSS Web survey. The GSS Web survey provides access to supporting documentation, including GSS-eligible code lists, worksheets, upload templates and glossaries. On request, copies of the supporting documents are e-mailed to coordinators for reference.

GSS data are collected at the unit level as counts of master's and doctoral students, postdocs, and NFRs. The following count data are collected by the GSS:

- Master's and doctoral students
 - Full-time or part-time status
 - Ethnicity, race, and citizenship, by sex
 - Full-time only
 - First-time, full-time, by ethnicity, race, citizenship, and sex
 - Primary source and mechanism of support
- Postdocs
 - Ethnicity, race, and citizenship, by sex
 - Primary source and mechanism of support
 - Type of and origin of doctoral degree
- NFR
 - Type of doctoral degree, by sex

Mode. Electronic data interchange (EDI) is the primary mode of data submission, with 87.9% of responding schools uploading at least partial data for graduate students and about 78% of responding schools uploading at least partial data for postdocs and NFRs (table A-3). Coordinators unable to use this method could manually enter their data in the GSS Web survey.

- *Response rates.* Response rates are calculated based on responses to the survey's various data elements (table A-3 and table A-4).
- *Unit response.* In 2024, the GSS received complete responses from 19,146 of the 23,121 eligible organizational units (82.8%). An additional 3,463 organizational units (15.0%) were partial respondents. The remaining 512 organizational units (2.2%) were nonrespondents.
- *School response.* Of the 715 eligible schools, 657 schools (91.9%) were complete respondents, 12 schools (1.7%) were partial respondents, and 46 schools (6.4%) were nonrespondents.
- *Institutional response.* Institutional response rates were calculated using the same criteria for schools. Of the 635 eligible institutions, 583 institutions (91.8%) were complete respondents, 12 institutions (1.9%) were partial respondents, and 40 institutions (6.3%) were nonrespondents.

Data editing. For the data provided, CIP codes are converted to a GSS code or codes upon the EDI transfer (table A-5). If a unit with the same name and coordinator-provided identification includes CIP codes that map to multiple GSS codes, the unit is split consistent with those GSS codes. GSS codes are fully aligned with NCSES's TOD for science and engineering, although the GSS also collects selected master's and doctoral degrees in health sciences. The mapping of GSS codes and fields shows how these are reported (table A-6).

Data quality is ensured by interactive edit checks built into the Web survey and by a comprehensive review after the coordinator submits the data. Once data are uploaded, coordinators can view their uploaded data as either school-level counts or through one of the forms at the unit level. Data collection forms in the Web survey are prefilled with zeros when a unit is manually created or when a unit has no data reported for those data elements. Respondents are asked to mark a checkbox if the unit does not have eligible data to report. If uploaded data for a unit contains only one type of student (e.g., the unit has master's students but no doctoral students), the appropriate checkbox indicating no students to report is autofilled by the system for the relevant form.

The Web survey contains edit checks to verify that the data entered are internally consistent and within an expected range, often based on the respondent's prior-year data. Reported aggregate school-level data are compared with data from the previous year for part-time, full-time, and first-time, full-time master's and doctoral students as well as for postdoc and NFR counts. Coordinators receive warnings prior to submission when substantial changes or other issues are detected.

The survey contractor reviews all data submitted by institutions to ensure that data fields are complete and internally consistent. The data collection team conducts a post-submission data review, whereby coordinators are asked to explain the discrepancy whenever counts differ substantially from those of the previous year. Follow-up with coordinators is also conducted when counts remain identical to the previous year and when there are notable changes to a school's unit list, including unit additions and deletions, changes to the highest-degree-granted status, GSS code, or unit name.

On the basis of follow-up contacts, necessary revisions are made via EDI or directly in the Web survey by the coordinator or by unit respondents. Alternatively, at the direction of the coordinator, the survey contractor can make requested changes. See section "Survey Quality Measures" below for a discussion of the types of measurement error detected in the data review and follow-up process.

Imputation. The 2024 GSS collected 543 data items related to enrollment and financial support for master's and doctoral full-time and part-time students, postdocs, and NFRs. Item imputation rates at the unit level ranged from 1.7% to 7.3% (table A-7). All missing data were imputed.

Different imputation techniques were used for units with and for those without comparable historical data. For units missing a key total (total full-time master's, full-time doctoral, part-time master's, and part-time doctoral students; total postdocs; or total NFRs) with at least 1 year of qualified historical data, a carry-forward imputation method was used. Inflation factors were calculated for the six key totals to account for year-to-year change. The previous year's key totals were carried forward as the imputed values for the current year's key totals and imputed according to the previous year's proportions.

For units that reported totals but no details, details were imputed according to the prior distribution if qualified historical details were available. Otherwise, a nearest-neighbor imputation method was used. In this method, a donor unit that was "nearest" to the unit whose data were being imputed (imputee) was identified among all responding units having similar characteristics as the imputee (e.g., having the same GSS code for program fields and offering a doctoral degree).

Similarly, when postdoc or NFR details were imputed, the total number of postdocs or NFRs, respectively, was used to choose the nearest neighbor. If the postdoc or NFR total was missing, the graduate student totals were used to select the nearest neighbor to impute the postdoc or NFR variables. If either the postdoc or NFR key total (or both) was missing, other available key totals were used to select the nearest neighbor to impute the data. The same donor was then used to impute the details corresponding to the imputed key totals.

For institutions or schools that did not respond, all data at the unit level were imputed. For these institutions or schools, if prior unit-level data were available, counts were carried forward; if no prior data were available, then the nearest-neighbor imputation method was used.

More information on the percentage of counts that were imputed are provided in [table A-8](#) for graduate students; [table A-9](#) for postdocs, and [table A-10](#) for NFRs.

Weighting. Not applicable.

Variance estimation. Not applicable.

Survey Quality Measures

Sampling error. Not applicable because the GSS is a census.

Coverage error. Due to the availability of comprehensive lists of the master's- and doctorate-granting institutions in the United States and the high level of participation in the survey of the eligible institutions, coverage error is minimal. The universe of higher education institutions is reviewed annually to identify potentially eligible institutions. Sources for this review include IPEDS, the Carnegie Classification of Institutions of Higher Education, the Higher Education Directory, NCSES's Higher Education Research and Development Survey, and professional association membership lists.

Nonresponse error. The GSS typically has high response rates. In 2024, 97.8% of units provided complete or partial data and the overall institutional response rate was 93.7%. Of the 543 data items collected in the GSS, the item imputation rates ranged from 1.7% to 7.3%. All missing data are imputed.

Measurement error. The GSS is subject to measurement error that arises when variables of interest cannot be measured accurately or precisely. Review of the data, cognitive interviews, usability tests, pilot tests, site visits, and other methodological activities with the institutions have pointed to several possible sources of measurement error. The types of measurement errors listed below are believed to have a minimal impact on data quality.

- *Double counting.* Anecdotal evidence indicates some misreporting may occur when an institution has more than one coordinator or offers joint programs. To reduce double counting, facilitate communication, and allow sharing of reported data, a screen in the Web survey provides names and contact information for all coordinators at the institution. Interactive and post-submission checks are also used to confirm that similarly named units within institutions are distinct eligible units. The introduction of data uploads has minimized this type of measurement error. This issue is now flagged for fewer than 0.5% of units reported to the GSS annually.

- *Inclusion of practitioner degrees.* Graduate students working toward practitioner degrees, particularly in health fields with explicit exclusions, may sometimes be overreported. Survey materials indicated that students should be excluded from the counts if they are pursuing DDS or MD degrees or certain other degrees in specified fields. During data collection coordinators confirm via a pop-up dialog that they excluded practitioner degrees from the data provided in their upload files. Prior to the introduction of this pop-up dialog, it was more common to mistakenly include graduate students earning practitioner degrees. However, since the addition of this popup, fewer than 0.5% of units that report doctoral students mistakenly included students pursuing practitioner degrees. During the data check and imputation process new units that were suspected of reporting ineligible graduate students have their websites manually checked for evidence of eligibility. Rarely, the opposite problem happens, where an eligible graduate student may be identified as a practitioner by a coordinator.
- *Difficulty in reporting source and mechanism of support.* Feedback from respondents and methodological research indicates that financial support data are often difficult for respondents to report. The information may not be stored in one centralized database; financial support may not always be channeled through the institution (e.g., self-support); and foreign sources of support may not always be known. Respondents may also have difficulty categorizing financial information by field, such as when a student is enrolled in one unit but receives support from another. Therefore, these data may be more prone to measurement error than other survey data items. Finally, institutions define mechanisms of support differently (e.g., fellowships vs. traineeships) and may report individuals according to the institution's definition rather than that provided by the GSS. Since the 2010 survey, the postdoc forms include "unknown" categories. For additional information about nonresponse and imputation of the source and mechanism of support at the unit level, see [table A-7](#), and for additional information about the imputed counts, see [table A-8](#) and [table A-9](#).
- *Difficulty in reporting postdocs and NFRs.* Many respondents indicated in the Web survey that they are unable to provide data on their units' postdocs or NFRs because they do not know all of the units that employ postdocs and NFRs. Schools were given the option of appointing a separate postdoc coordinator who may be more knowledgeable about a school's postdocs or NFRs to provide these data. Coordinators may also indicate that they had postdocs or NFRs but were unable to report them and counts are thus imputed.

Data Comparability

Changes in survey coverage and population.

- *Annual changes in eligibility and eligibility reviews.*
 - 2024: In the summer of 2024, the GSS conducted a comprehensive eligibility review of the 198 institutions in the 2023 GSS with six or fewer organizational units. As a result of the eligibility review, 53 institutions were identified as no longer offering research-based master's or doctoral programs in GSS fields and that were no longer eligible for the GSS. In 2023, these institutions reported 0.8% of graduate students, including 1.3% of master's students, under 0.1% of doctoral students, postdoctoral appointees, and NFRs. For more information on the eligibility review and the impact on the GSS, see the publication [Impact of the 2024 GSS Institutional Eligibility Review on Counts of GSS Master's Students](#). The tables and discussion in the data release InfoBrief for 2024 will show that both the published and adjusted GSS 2023 counts to take the differences in master's enrollment based on the eligibility changes into account. Changes to the list of eligible institutions, which includes the 53 newly ineligible institutions and one additional institution that was identified as ineligible during data collection are in [table A-11](#). In 2024, three institutions became eligible for the GSS. Two institutions merged into a single institution in the 2024 survey cycle, reducing the number of institutions by one. As a result, the total number of institutions included in the GSS decreased from 687 in 2023 to 635 in 2024 (see [table A-11](#) for the changes to the eligible GSS institutions). The GSS 2024 public use files include the GSS 2023 institutions identified as no longer eligible as a result of the field review.

- 2014: The survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in SEH. Eligible units at 151 newly eligible institutions were added, and two private, for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. An additional four institutions dropped out of the data collection in 2014 because they no longer grant graduate degrees in SEH fields, two merged with previously eligible institutions, and one began reporting data under another institution.

As a result, the total number of institutions included in the GSS increased from 564 in 2013 to 706 in 2014. The total net increase in the number of GSS-eligible units was 826, rising to 14,845 in 2014 from 14,019 in 2013. See [GSS 2014: table A-1](#). For more information on the survey frame update, see the Special Report *Assessing the Impact of Frame Changes on Trend Data from the Survey of Graduate Students and Postdoctorates in Science and Engineering*.

- *Fields of study and related eligibility changes.*

- 2020: Starting in the GSS 2020, the list of GSS-eligible CIP codes was updated to align with the revised 2020 CIP list and NCSES's TOD. Since most coordinators report graduate student data using CIP, it was important that the GSS update the taxonomy to include the new CIP codes on the same timeline as IPEDS. As part of this update, new CIP codes were added, some CIP codes were changed, and a small number of CIP codes were removed. Most of the changes in CIP eligibility were made to ensure that the implementation of the new CIP codes included programs that were GSS-eligible and likely were being reported (based on unit names).

In addition to the adjustments made due to the changes in CIP and TOD, the GSS created more detailed fields out of larger GSS codes or reorganized existing codes to align with current enrollment patterns. Broad fields were added to engineering for the first time. In some cases, GSS codes with a small number of graduate students were combined for reporting purposes ([table A-6](#)). For more information on these changes, see [GSS 2020: tables A-17, A-18a, and A-18b](#).

- 2017: The list of GSS-eligible disciplinary fields was updated in 2017 to align with the TOD. Among the major changes in the update: several fields became ineligible—architecture, communications, and public administration; portions of nutrition and of family and consumer sciences and human sciences also became ineligible. Several fields changed names. A new broad field titled natural resources and conservation was split from agricultural sciences. Computer sciences was split into three fields, and the biological and biomedical sciences field was reorganized. The taxonomy changes resulted in previously reported units being split across separate GSS codes or moving between codes or broad fields. For more information on the 2017 taxonomy updates, see [GSS 2017: table A-1](#).

- *Changes in survey content.*

- *Sex.*

- 2010: Began collecting ethnicity, race, and citizenship data on postdocs by sex and began collecting type of doctoral degree data on NFRs by sex.
- 2008: Began collecting the number of first-time, full-time male graduate students by ethnicity and race; full-time male graduate students by source of support; male postdocs by source of support; and male NFRs. Previously, the number of men was inferred by subtracting the number of women from the total.

- *Ethnicity and race.*

- 2010: Began collecting ethnicity and race data for postdocs who are U.S. citizens and permanent residents using the same categories as used for graduate students.
- 2008: Revised ethnicity and race categories to correspond to IPEDS by combining "Hispanic/Latino, one race only" and "Hispanic/Latino, more than one race" categories into "Hispanic or Latino (one or more races)."

- *Citizenship.*
 - 2010: Began collecting citizenship data on postdocs using the same categories that are used for graduate students. In previous years, only counts of postdocs who are foreign nationals holding temporary visas were collected.
 - 2008: Clarification made for “non-U.S. citizens” to exclude non-U.S. citizens residing outside of the United States who are enrolled in an online degree program at a U.S. institution.
- *Financial support.*
 - 2010: Began collecting data on the largest source of financial support and on the largest mechanism of support separately for postdocs. For mechanism of support, “nonfederal sources” was replaced with “other support.”
 - 2008: Graduate student data no longer collected for NIH teaching assistantships because NIH does not offer financial support for students through this mechanism.
 - 2008: Began collecting the number of full-time graduate students whose largest source of support came from a non-U.S. source via teaching assistantship.
- *Degree level.*
 - 2017: Began separate collection of demographic and financial data by master’s and doctoral students.
- *Doctoral degree.*
 - 2010: Began collecting more detailed information on postdocs’ and NFRs’ doctoral degree type. Categories were added for those holding a doctoral degree (e.g., PhD, ScD, DEng), a professional degree (e.g., MD, DVM, DO, DDS), and dual degrees (e.g., MD-PhD, DVM-PhD) as well as for those whose type of degree was unknown. In previous years, the GSS collected degree-type information by asking respondents to indicate how many of the total number of postdocs (or NFRs) had MD, DO, DDS, or DVM degrees. This number was used to estimate the number of postdocs (or NFRs) with medical degrees; the number with research degrees was estimated as the difference between the total counts and the counts of those with medical degrees.
 - 2010: Began collecting postdocs’ doctoral degree type by citizenship and by country of origin (United States, foreign, unknown) of doctoral degrees. Also began collecting NFRs’ doctoral degree type by sex.

Changes in survey procedures.

- 2017: Starting in 2017, coordinators were asked to report master’s and doctoral student data separately and to use CIP codes to categorize their organizational units when reporting student data. Coordinators could report organizational units with postdocs and NFRs using either CIP or GSS codes. Two additional methods for uploading GSS data were provided to coordinators in 2017. The first option enabled coordinators to utilize an Excel template file to construct a de-identified, individual-level data file. This file could then be uploaded directly into the Web survey via EDI. The second option enabled the coordinator to aggregate the individual-level data to the unit level using an Excel macro provided in the template file rather than transmit any individual-level data. A manual data entry option continued to be available to those unable to provide an uploaded file. Coordinators were provided data file templates, a sample SQL SELECT statement containing all GSS-eligible CIP codes that could be used to query their information systems, online training videos, and additional support from the survey contractor on the new data collection changes to encourage adoption of the EDI options. Coordinators could continue to use unit respondents to provide part or all of the data request. Organizational units that reported using CIP codes were automatically re-coded to the updated GSS taxonomy by the Web instrument. Coordinators reporting data using the GSS rather than CIP codes were asked to re-code their organizational units to the updated GSS taxonomy.

- 2010: Significant effort was made to ensure that appropriate personnel were providing postdoc and NFR data. As a result, it is unclear how much of the increase reported in 2010 represented actual growth in postdocs and how much resulted from improved data collection. For information on the improved data collection and changes in postdoc data, see [Counts of Postdoctoral Appointees in Science, Engineering, and Health Rise with Reporting Improvements](#); for changes in NFR data, see [Examining the Reporting of Nonfaculty Doctorate Researchers in the Survey of Graduate Students and Postdoctorates in Science and Engineering](#).

Historical changes.

- Changes have been made over the years to the coverage and content of the GSS to keep it relevant to the needs of data users. Such changes impact analysis of trend data, so data comparisons across years should be made with caution. This is especially true for counts; however, proportions or shares are typically robust enough to allow for such comparisons.
- In 2017, due to the taxonomy and data collection changes (described above), a set of bridge estimates was created to permit comparisons to previous years and for trend analyses. These estimates are labeled 2017old and are available at the broad field level for all combined graduate student variables as well as postdoc variables. Due to a substantial increase in counts attributable to prior underreporting, 2017old estimates are not available for NFR data. The data reported as 2017new use the updated GSS taxonomy and are comparable with data collected from 2017 to the present but are not comparable to data from prior years.
- Due to the survey frame update, the data comparisons between 2014 and earlier years should use the 2014old data, and those between 2014 and 2016 should use the 2014new data. The impact of frame updates can be evaluated using the 2014old and 2014new data. For more information on the survey frame update, see the Special Report [Assessing the Impact of Frame Changes on Trend Data from the Survey of Graduate Students and Postdoctorates in Science and Engineering](#). For more information on the changes prior to 2010, see [Graduate Students and Postdoctorates in Science and Engineering: Fall 2009](#): "Technical Notes" section. For specific changes from the major survey redesign in 2007, see the 2007 report: "Technical Notes."

Definitions

Degree level.

- *Master's degree.* A post-baccalaureate, research-focused degree; includes MA, MS, MASc, and PSM in GSS-eligible disciplines.
- *PhD or PhD equivalent degree.* An advanced, research-focused academic degree—typically, the highest degree granted in a particular field; includes doctorates such as PhD, ScD, DSc, and DEng. Does not include professional doctorates such as DCS, PsyD, DDM, or MD.

Enrollment status.

- *Full time and part time.* Coordinators were instructed to use their institution's definitions.
- *First time, full time.* Students enrolled for credit in a graduate degree program in an organizational unit for the first time in the fall semester of the survey year. This may include graduate students previously enrolled in another graduate degree program at the institution or at another institution and students who already hold another graduate or professional degree.

Ethnicity and race. The GSS uses definitions of ethnicity and race that are based on the OMB's *Standards for the Classification of Federal Data on Race and Ethnicity*.

- *Hispanic or Latino ethnicity (one or more races).* All individuals of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race. This category includes individuals who are Hispanic or Latino and any other race.

- *Not Hispanic or Latino.* Individuals who are not of Hispanic or Latino descent, regardless of race.
- *American Indian or Alaska Native.* A person of only one race having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment.
- *Asian.* A person of only one race having origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent—for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
- *Black or African American.* A person of only one race having origins in any of the Black racial groups of Africa.
- *Native Hawaiian or Other Pacific Islander.* A person of only one race having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific islands.
- *White.* A person of only one race having origins in any of the original peoples of Europe, the Middle East, or North Africa.
- *More than one race.* A person of two or more of the race categories listed above.
- *Unknown ethnicity or race.* A person whose ethnicity or race is unknown or not stated.

Graduate student mechanisms of financial support.

- *Fellowship.* A competitive award (often from a national competition) given to a graduate student that requires no work by the recipient.
- *Traineeship.* A financial award given to a graduate student selected by the institution.
- *Research assistantship.* A financial award given to a graduate student for which most of the student's responsibilities are devoted primarily to research.
- *Teaching assistantship.* A financial award given to a graduate student for which most of the student's responsibilities are devoted primarily to teaching assistant activities.
- *Other support.* All other mechanisms of support for graduate students.

Graduate student sources of financial support.

- *Federal sources.* Financial support provided by U.S. federal agencies. Excludes federally guaranteed student loans.
- *Nonfederal sources.* Financial support from state and local governments; support from the institution, such as tuition waivers and stipends; support from foreign sources, such as foreign governments, foreign firms, and agencies of the United Nations; and other U.S. sources, such as support from nonprofit institutions, private industry, and all other nonfederal U.S. sources.
- *Self-support.* Loans (including federal loans) or personal or family financial contributions.

Historically Black colleges and universities (HBCUs). Institutions of higher education that were established prior to 1964 and whose principal mission was, and is, the education of Black Americans. The list of HBCUs is maintained by the White House Initiative on HBCUs (<https://sites.ed.gov/whhbcu/>).

Nonfaculty researchers (NFRs). All doctorate-holding researchers who (1) are not considered either postdocs or members of the faculty and (2) are involved principally in SEH research activities. Also referred to as *Other doctorate-holding NFRs*.

Postdoctoral researchers (postdocs). The definition of a postdoc varies by institution. Respondents were instructed to use their institution's definition. NCSES defines a postdoc as meeting both of the following qualifications: (1) holds a recent doctoral degree, generally awarded within the past 5–7 years, such as PhD or equivalent (e.g., ScD, DEng), or first-professional degree in a medical or related field (e.g., MD, DDS, DO, DVM), or foreign degree equivalent to a U.S. doctoral degree; and (2) has a limited-term appointment, generally no more than 5–7 years, primarily for training in research or scholarship, and working under the supervision of a senior scholar in a unit affiliated with the institution.

Postdoc mechanisms of financial support.

- *Traineeship.* A financial award given to a postdoc selected by the institution.
- *Research grant.* A financial assistance award given to an organization or an individual postdoc that supports specific research goals.
- *Other support.* All other mechanisms of support for postdocs.

Postdoc sources of financial support.

- *Federal sources.* Financial support provided by U.S. federal agencies.
- *Nonfederal sources.* Financial support from state and local governments; support from the institution; support from foreign sources, such as foreign governments, foreign firms, and agencies of the United Nations; and support from other U.S. sources, such as nonprofit institutions, private industry, and all other nonfederal U.S. sources.
- *Personal resources.* Personal and family financial resources, including federal and other loans.
- *Unknown or not stated.* Sources of financial support for the postdoc are unknown or cannot be determined.

Technical Tables

Table	Title
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A-2	Science, engineering, and health organizational units, by detailed field: 2024
A-3	Response rate and mode of response to the GSS, by data type: 2024
A-4	Response rates for science, engineering, and health organizational units: 1975–2024
A-5	Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes
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A-9	Imputation for nonresponse in totals for postdoctoral appointees, by field, demographics, and mechanism and source of support: 2024
A-10	Imputation for nonresponse in totals for doctorate-holding nonfaculty researchers, by field and sex: 2024
A-11	Changes in institution status: 2023–24
B-1	GSS data table crosswalk: 2017–23 vs. 2024

Table A-1. Surveyed institutions, schools, organizational units, and graduate enrollment: 1972–2024

(Number)

Year	Institutions	Schools ^a	Organizational units				Graduate enrollment		
			Total	Master's	Doctorate	Nondegree	Total	Full time	Part time
All institutions									
1972 ^b	252	321	4,568	764	3,804	0	207,859	159,392	48,467
1973 ^b	255	333	6,523	851	5,557	115	214,348	161,525	52,823
1974 ^b	276	367	7,468	1,387	5,951	130	259,968	190,562	69,406
1975	584	682	9,003	2,829	6,038	136	328,510	219,648	108,862
1976 ^c	594	693	9,110	2,895	6,074	141	333,716	223,412	110,304
1977	601	704	9,392	3,081	6,168	143	345,374	226,738	118,636
1978 ^d	599	708	9,509	3,126	6,239	144	339,912	223,030	116,882
1979	629	745	9,686	3,203	5,153	1,330	357,578	231,760	125,818
1980	626	742	9,798	3,255	5,011	1,532	367,078	238,416	128,662
1981	622	736	9,728	3,256	4,938	1,534	375,130	242,049	133,081
1982	609	724	9,584	3,241	4,822	1,521	382,291	244,757	137,534
1983	609	723	9,467	3,211	4,741	1,515	390,432	252,017	138,415
1984	412	530	8,791	2,503	4,725	1,563	394,670	253,922	140,748
1985	412	525	8,911	2,550	4,751	1,610	404,021	257,287	146,734
1986	412	527	8,985	2,558	4,782	1,645	415,520	266,168	149,352
1987	416	533	9,104	2,563	4,850	1,691	421,497	271,056	150,441
1988	606	723	10,015	3,310	4,950	1,755	424,523	275,127	149,396
1989	609	726	10,187	3,372	5,026	1,789	434,478	282,648	151,830
1990	610	727	10,358	3,448	5,059	1,851	452,113	292,782	159,331
1991	609	726	10,598	3,517	5,180	1,901	471,212	307,010	164,202
1992	608	725	10,872	3,602	5,298	1,972	493,522	322,555	170,967
1993	606	723	11,103	3,650	5,391	2,062	504,304	329,644	174,660
1994	605	722	11,365	3,759	5,500	2,106	504,399	332,088	172,311
1995	603	720	11,566	3,837	5,539	2,190	499,640	329,283	170,357
1996	603	720	11,579	3,886	5,507	2,186	494,079	328,536	165,543
1997	601	722	11,589	3,994	5,526	2,069	487,208	327,289	159,919
1998	601	721	11,685	4,020	5,590	2,075	485,627	327,389	158,238
1999	599	719	11,827	4,015	5,773	2,039	493,256	334,423	158,833
2000	596	716	11,894	4,085	5,791	2,018	493,311	341,283	152,028
2001	601	720	11,962	4,096	5,826	2,040	509,607	354,522	155,085
2002	596	715	12,126	4,165	5,931	2,030	540,404	378,991	161,413
2003	593	712	12,261	4,185	6,080	1,996	567,121	397,420	169,701
2004	591	710	12,268	4,180	6,142	1,946	574,463	402,573	171,890
2005	588	702	12,297	4,123	6,231	1,943	582,226	406,620	175,606
2006	588	707	12,320	4,109	6,294	1,917	597,643	419,015	178,628

Table A-1. Surveyed institutions, schools, organizational units, and graduate enrollment: 1972–2024

(Number)

Year	Institutions	Schools ^a	Organizational units				Graduate enrollment		
			Total	Master's	Doctorate	Nondegree	Total	Full time	Part time
2007old ^e	582	700	12,325	4,148	6,418	1,759	607,823	430,860	176,963
2007new ^e	582	700	12,629	4,335	6,525	1,769	619,499	437,365	182,134
2008	579	708	13,166	4,399	6,710	2,057	631,489	449,613	181,876
2009	575	703	13,285	4,336	6,774	2,175	631,645	456,115	175,530
2010	574	692	13,711	4,416	6,863	2,432	632,652	461,185	171,467
2011	565	686	13,785	4,295	6,849	2,641	626,820	457,292	169,528
2012	565	684	13,952	4,320	6,911	2,721	627,243	459,498	167,745
2013	564	680	14,019	4,314	6,875	2,830	633,010	468,953	164,057
2014old ^f	557	671	14,369	4,375	6,940	3,054	650,738	484,880	165,858
2014new ^f	706	821	14,845	4,769	6,988	3,088	666,586	492,170	174,416
2015	711	824	15,202	4,901	7,104	3,197	685,397	506,262	179,135
2016 ^g	714	828	15,853	5,054	7,217	3,582	684,825	508,773	176,052
2017 ^h	703	814	18,745	5,580	7,004	6,161	649,112	480,788	168,324
2018	715	817	19,592	5,857	7,180	6,555	668,307	491,449	176,858
2019	714	809	20,249	5,985	7,203	7,061	690,117	502,442	187,675
2020 ⁱ	712	806	21,156	6,425	7,251	7,480	697,813	491,515	206,298
2021	699	787	21,365	6,559	7,377	7,429	760,156	543,823	216,333
2022	690	775	22,519	6,787	7,573	8,159	798,534	579,301	219,233
2023	687	770	22,802	6,813	7,491	8,498	818,095	598,588	219,507
2024	635	715	23,121	6,717	7,550	8,854	818,078	596,638	221,440

^a Schools are administrative and degree-granting entities within academic institutions. Schools surveyed may exceed institutions surveyed because schools at some institutions report information to the survey separately. Examples of schools eligible for the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) include graduate schools, schools of architecture, schools of medicine, schools of nursing, schools of pharmacology, schools of public health, and schools of veterinary medicine.

^b Data collected only from the doctorate-granting institutions.

^c The 1976 survey also collected 1975 data from master's-granting institutions.

^d Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^e In 2007, GSS-eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of GSS-eligible units. "2007new" presents data as collected in 2007; "2007old" reflects data as they would have been collected under 2006 methodology. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^f In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible.

^g The 2016 survey included a pilot data collection to assess the feasibility of several data collection changes, including the use of Classification of Instructional Programs (CIP) codes for reporting data and file uploads for transmitting data. The number of units added and deleted by pilot coordinators was much greater than is typical. These increases are largely due to how data are organized in institutional information systems and the increased granularity of CIP codes relative to GSS codes rather than a reflection of increased organizational complexity.

^h The 2017 GSS was redesigned to fully implement the changes in the 2016 pilot to all coordinators (collection via CIP code and uploads; separate reporting of master's and doctoral data) and to align with GSS taxonomy with the National Center for Science and Engineering Statistics Taxonomy of Disciplines (TOD), which made several fields ineligible. Thus, there was an increase in the number of units reported and a decrease in the number of graduate students reported to the GSS. Data from 2017 are not directly comparable to 2016 and earlier.

ⁱ In 2020, new Classification of Instructional Programs (CIP) codes were added to align with the 2020 updates to the CIP list and with the 2020 revision to TOD. Additionally, several GSS codes were split to show additional detail. Code splits may lead to an increase in units.

Note(s):

Data from 1972 to 1974 are not directly comparable with data from 1975 forward due to changes both in science and engineering fields and in types of institutions covered in the survey. 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.

Table A-2. Science, engineering, and health organizational units, by detailed field: 2024

(Number)

Detailed field	All units	Units with master's students	Units with doctoral students	Units with postdocs	Units with NFRs
All surveyed fields	23,121	11,078	7,528	8,441	6,339
Science	15,053	7,599	5,379	4,980	3,609
Agricultural and veterinary sciences	654	289	209	321	279
Agricultural sciences	497	262	186	225	198
Veterinary biomedical and clinical sciences	157	27	23	96	81
Biological and biomedical sciences	4,701	1,722	1,878	1,914	1,311
Biochemistry	347	85	156	164	124
Biology	535	340	160	219	141
Biomedical sciences	265	121	114	77	50
Biophysics	59	2	40	17	10
Biostatistics and bioinformatics	321	155	128	97	80
Biotechnology	114	83	10	20	19
Botany and plant biology	102	57	55	49	34
Cell, cellular biology, and anatomical sciences	307	77	148	123	91
Ecology and population biology	180	75	81	75	47
Epidemiology	171	91	72	50	36
Genetics	228	52	77	108	77
Microbiological sciences and immunology	347	89	148	165	119
Molecular biology	89	21	34	33	26
Neurobiology and neuroscience	344	44	161	162	89
Nutrition science	171	107	59	45	26
Pathology and experimental pathology	125	16	33	78	48
Pharmacology and toxicology	229	66	127	97	68
Physiology	425	137	148	187	107
Zoology and animal biology	101	59	61	43	33
Biological and biomedical sciences nec	241	45	66	105	86
Computer and information sciences	1,357	1,010	331	226	196
Artificial intelligence, informatics, and computer and information science topics	159	113	26	28	22
Computer and information sciences	277	173	96	58	51
Computer and information systems security	178	164	11	3	7
Computer science	365	269	147	94	65
Information science and studies	149	119	31	16	14
Information technology	106	91	12	2	9
Computer and information sciences nec	123	81	8	25	28
Geosciences, atmospheric, and ocean sciences	628	324	265	271	237
Atmospheric sciences and meteorology	82	43	42	40	35
Geological and earth sciences	383	215	166	152	130
Ocean and marine sciences	133	66	57	58	46
Geosciences, atmospheric, and ocean sciences nec	30	na	na	21	26
Mathematics and statistics	891	626	341	205	82
Applied mathematics	249	179	78	34	17
Mathematics	384	263	165	116	46
Statistics	258	184	98	55	19
Multidisciplinary and interdisciplinary sciences	846	445	189	209	193
Biological and physical sciences	46	23	16	10	12
Computational science	64	41	17	12	10
Data science and data analytics	178	135	17	31	20
International and global studies	50	32	8	8	8
Multidisciplinary and interdisciplinary sciences nec	508	214	131	148	143
Natural resources and conservation	527	314	158	175	145
Environmental science and studies	273	172	75	69	58

Table A-2. Science, engineering, and health organizational units, by detailed field: 2024

(Number)

Detailed field	All units	Units with master's students	Units with doctoral students	Units with postdocs	Units with NFRs
Forestry, natural resources, and conservation	254	142	83	106	87
Physical sciences	1,228	554	566	582	445
Astronomy and astrophysics	131	18	55	73	54
Chemistry	482	277	235	222	165
Materials sciences	98	38	48	26	24
Physics	455	202	213	239	176
Physical sciences nec	62	19	15	22	26
Psychology	1,375	769	502	307	192
Applied psychology	445	321	141	65	33
Clinical psychology	132	51	66	21	9
Counseling psychology	120	82	41	9	4
Human development	116	58	27	42	34
Psychology, general	325	171	90	116	83
Research and experimental psychology	237	86	137	54	29
Social sciences	2,846	1,546	940	770	529
Agricultural and natural resource economics	57	28	11	33	19
Anthropology	214	129	108	73	28
Area, ethnic, cultural, gender, and group studies	464	226	119	153	57
Criminal justice and safety studies	127	115	22	7	9
Criminology	53	43	17	3	5
Economics (except agricultural and natural resource)	352	220	172	64	45
Geography and cartography	166	122	46	46	26
International relations and national security studies	134	98	11	16	24
Linguistics	125	76	64	33	13
Political science and government	264	149	126	65	39
Public policy analysis	264	103	54	86	92
Sociology and population studies	298	138	127	81	64
Urban studies and affairs	50	23	13	13	11
Social sciences, other	278	76	50	97	97
Engineering	3,605	2,244	1,469	1,201	959
Aerospace, aeronautical, and astronautical engineering	115	75	52	38	35
Biological, biomedical, and biosystems engineering	364	197	171	154	126
Chemical, petroleum, and chemical-related engineering	300	170	148	149	104
Chemical engineering	264	149	133	136	93
Petroleum engineering	36	21	15	13	11
Civil, environmental, transportation and related engineering fields	547	346	209	197	139
Civil engineering	394	225	149	173	121
Architectural, environmental, construction and surveying engineering	153	121	60	24	18
Electrical, electronics, communications and computer engineering	639	444	248	168	149
Electrical, electronics, and communications engineering	435	275	181	151	133
Computer engineering	204	169	67	17	16
Industrial, manufacturing, systems engineering and operations research	305	231	109	52	45
Industrial and manufacturing engineering	167	129	63	39	30
Systems engineering and operations research	138	102	46	13	15
Mechanical engineering	410	283	179	176	111
Metallurgical, mining, materials and related engineering fields	210	130	105	81	62
Other engineering	715	368	248	186	188

Table A-2. Science, engineering, and health organizational units, by detailed field: 2024

(Number)

Detailed field	All units	Units with master's students	Units with doctoral students	Units with postdocs	Units with NFRs
Agricultural engineering	49	30	29	23	18
Engineering mechanics, physics, and science	100	44	47	23	23
Nuclear engineering	35	27	25	11	11
Engineering, other	531	267	147	129	136
Health	4,463	1,235	680	2,260	1,771
Clinical medicine	2,959	525	223	1,802	1,390
Anesthesiology	62	na	na	49	38
Cardiology and cardiovascular disease	70	na	na	63	37
Endocrinology, diabetes, and metabolism	52	na	na	43	27
Gastroenterology	39	na	na	33	18
Hematology	31	na	na	25	22
Medical clinical sciences and clinical and medical laboratory sciences	192	60	32	49	80
Neurology and neurosurgery	165	na	na	141	90
Obstetrics and gynecology	72	na	na	49	41
Oncology and cancer research	163	na	na	125	72
Ophthalmology	75	na	na	65	41
Otorhinolaryngology	51	na	na	36	36
Pediatrics	179	na	na	134	98
Psychiatry	100	na	na	77	60
Public health	762	465	191	203	177
Pulmonary disease	42	na	na	35	25
Radiological sciences	133	na	na	103	78
Surgery	243	na	na	186	137
Clinical medicine nec	528	na	na	386	313
Other health	1,504	710	457	458	381
Communication disorders sciences	281	235	67	33	34
Dental sciences	176	84	20	73	50
Kinesiology and exercise science	174	133	45	31	20
Nursing science	225	24	126	66	57
Pharmaceutical sciences	251	94	96	117	101
Other health nec	397	140	103	138	119

na = not applicable.

nec = not elsewhere classified; NFR = nonfaculty researcher.

Note(s):

Unit counts include fully imputed units. 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.

Table A-3. Response rate and mode of response to the GSS, by data type: 2024

(Number and percent)

Data type	Institutions		Schools		Units	
	Number	Percent	Number	Percent	Number	Percent
Response status						
Total response	595	93.7	669	93.6	22,609	97.8
Complete response	583	91.8	657	91.9	19,146	82.8
Partial response	12	1.9	12	1.7	3,463	15.0
Nonresponse	40	6.3	46	6.4	512	2.2
Mode of response for complete or partial responders						
Graduate student						
Uploaded	na	na	575	87.9	13,322	95.6
Manually entered	na	na	79	12.1	614	4.4
Postdoctoral appointee						
Uploaded	na	na	284	78.2	7,584	92.0
Manually entered	na	na	79	21.8	660	8.0
Doctorate-holding nonfaculty researcher						
Uploaded	na	na	217	78.1	5,725	92.6
Manually entered	na	na	61	21.9	458	7.4

na = not applicable.

GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering.

Note(s):

If any data are provided via electronic data interchange, that school is categorized as uploading their data; thus, schools listed as manually entered provided all data through manual entry. Units may contain multiple data types; thus, counts of units will not sum to total. Percentages may not sum due to rounding.

Source(s):

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

Table A-4. Response rates for science, engineering, and health organizational units: 1975–2024

(Number and percent)

Year	Total	Total response		Complete response		Partial response		Nonresponse	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
1975	9,162	8,998	98.2	8,998	98.2	NA	NA	164	1.8
1976 ^a	9,275	9,148	98.6	9,148	98.6	NA	NA	127	1.4
1977	9,513	9,432	99.1	9,432	99.1	NA	NA	81	0.9
1978 ^b	8,242	8,077	98.0	8,077	98.0	NA	NA	165	2.0
1979	9,796	9,446	96.4	9,446	96.4	NA	NA	350	3.6
1980	9,930	9,593	96.6	9,593	96.6	NA	NA	337	3.4
1981	9,917	9,207	92.8	8,594	86.7	613	6.2	710	7.2
1982	9,776	8,848	90.5	8,104	82.9	744	7.6	928	9.5
1983	9,663	8,886	92.0	8,070	83.5	816	8.4	777	8.0
1984	8,748	8,133	93.0	7,490	85.6	643	7.4	615	7.0
1985	9,025	8,490	94.1	7,818	86.6	672	7.4	535	5.9
1986	9,097	8,596	94.5	7,817	85.9	779	8.6	501	5.5
1987	9,254	8,745	94.5	8,030	86.8	715	7.7	509	5.5
1988	10,295	9,782	95.0	8,812	85.6	970	9.4	513	5.0
1989	10,318	9,799	95.0	8,908	86.3	891	8.6	519	5.0
1990	10,483	9,937	94.8	8,884	84.7	1,053	10.0	546	5.2
1991	10,705	10,238	95.6	9,052	84.6	1,186	11.1	467	4.4
1992	10,936	10,604	97.0	9,066	82.9	1,538	14.1	332	3.0
1993	11,146	10,711	96.1	9,156	82.1	1,555	14.0	435	3.9
1994	11,411	10,972	96.2	8,863	77.7	2,109	18.5	439	3.8
1995	11,598	11,244	96.9	9,514	82.0	1,730	14.9	354	3.1
1996	11,592	11,373	98.1	9,851	85.0	1,522	13.1	219	1.9
1997	11,597	11,385	98.2	9,720	83.8	1,665	14.4	212	1.8
1998	11,718	11,528	98.4	9,822	83.8	1,706	14.6	190	1.6
1999	11,833	11,685	98.7	9,396	79.4	2,289	19.3	148	1.3
2000	11,899	11,783	99.0	9,818	82.5	1,965	16.5	116	1.0
2001	11,967	11,852	99.0	10,121	84.6	1,731	14.5	115	1.0
2002	12,126	12,001	99.0	10,434	86.0	1,567	12.9	125	1.0
2003	12,261	12,052	98.3	10,343	84.4	1,709	13.9	209	1.7
2004old ^c	12,240	12,035	98.3	10,426	85.2	1,609	13.1	205	1.7
2004new ^d	12,240	11,998	98.0	10,524	86.0	1,474	12.0	242	2.0
2005 ^d	12,396	12,053	97.2	10,783	87.0	1,270	10.2	343	2.8
2006 ^d	12,320	11,991	97.3	10,814	87.8	1,177	9.6	329	2.7
2007 ^e	12,629	12,310	97.5	11,020	87.3	1,290	10.2	319	2.5
2008	13,166	13,010	98.8	11,574	87.9	1,436	10.9	156	1.2
2009	13,285	13,187	99.3	11,709	88.1	1,478	11.1	98	0.7
2010 ^f	13,711	13,583	99.1	11,601	84.6	1,982	14.5	128	0.9
2011 ^f	13,785	13,627	98.9	11,622	84.3	2,005	14.5	158	1.1
2012	13,952	13,898	99.6	11,914	85.4	1,984	14.2	54	0.4
2013	14,019	13,979	99.7	12,056	86.0	1,923	13.7	40	0.3
2014old ^g	14,369	14,336	99.8	12,413	86.4	1,923	13.4	33	0.2
2014new ^g	14,845	14,798	99.7	12,832	86.4	1,966	13.2	47	0.3
2015	15,202	15,119	99.5	12,714	83.6	2,405	15.8	83	0.5
2016	15,853	15,774	99.5	13,617	85.9	2,157	13.6	79	0.5
2017 ^h	18,745	18,293	97.6	15,946	85.1	2,347	12.5	452	2.4
2018	19,592	19,384	98.9	16,410	83.8	2,974	15.2	208	1.1
2019	20,249	19,718	97.4	17,035	84.1	2,683	13.3	531	2.6
2020	21,156	20,486	96.8	17,764	84.0	2,722	12.9	670	3.2
2021	21,365	20,990	98.2	18,186	85.1	2,804	13.1	375	1.8
2022	22,519	22,227	98.7	19,112	84.9	3,115	13.8	292	1.3

Table A-4. Response rates for science, engineering, and health organizational units: 1975–2024

(Number and percent)

Year	Total	Total response		Complete response		Partial response		Nonresponse	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
2023	22,802	22,308	97.8	18,891	82.8	3,417	15.0	494	2.2
2024	23,121	22,609	97.8	19,146	82.8	3,463	15.0	512	2.2

NA = not available; organizational units providing partial responses are included in complete response column prior to 1981 and reported separately beginning in 1981.

^a The 1976 survey also collected 1975 data from master's-granting institutions.

^b Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^c Calculated using response-rate formula used through 2003. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^d Calculated using response-rate formula used from 2004 to 2006. Schools closed in 2005 because of Hurricane Katrina were counted as nonrespondents.

^e Calculated using response-rate formula implemented in 2007. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^f The 2010 and 2011 postdoctoral appointees (postdocs) and doctorate-holding nonfaculty researcher data were reimputed following the 2012 data collection; these numbers have been updated to reflect the reimputed data and supersede those contained in previous reports.

^g In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and 2 private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible.

^h In 2017, the data collection methods changed, substantially increasing the number of added units. In addition, several previously eligible fields became ineligible.

Note(s):

Percentages may not add to total because of rounding. 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.

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
01.0000	Agriculture, general	Standard	501	Agricultural sciences
01.0103	Agricultural economics	Standard	901	Agricultural and natural resource economics
01.0308	Agroecology and sustainable agriculture	Standard	501	Agricultural sciences
01.0603	Ornamental horticulture	Standard	501	Agricultural sciences
01.0701	International agriculture	Standard	501	Agricultural sciences
01.0901	Animal sciences, general	Standard	501	Agricultural sciences
01.0902	Agricultural animal breeding	Standard	501	Agricultural sciences
01.0903	Animal health	Standard	501	Agricultural sciences
01.0904	Animal nutrition	Standard	501	Agricultural sciences
01.0905	Dairy science	Standard	501	Agricultural sciences
01.0906	Livestock management	Standard	501	Agricultural sciences
01.0907	Poultry science	Standard	501	Agricultural sciences
01.0999	Animal sciences, other	Standard	501	Agricultural sciences
01.1001	Food science	Standard	501	Agricultural sciences
01.1002	Food technology and processing	Standard	501	Agricultural sciences
01.1099	Food science and technology, other	Standard	501	Agricultural sciences
01.1101	Plant sciences, general	Standard	501	Agricultural sciences
01.1102	Agronomy and crop science	Standard	501	Agricultural sciences
01.1103	Horticultural science	Standard	501	Agricultural sciences
01.1104	Agricultural and horticultural plant breeding	Standard	501	Agricultural sciences
01.1105	Plant protection and integrated pest management	Standard	501	Agricultural sciences
01.1106	Range science and management	Standard	501	Agricultural sciences
01.1199	Plant sciences, other	Standard	501	Agricultural sciences
01.1201	Soil science and agronomy, general	Standard	501	Agricultural sciences
01.1202	Soil chemistry and physics	Standard	501	Agricultural sciences
01.1203	Soil microbiology	Standard	501	Agricultural sciences
01.1299	Soil sciences, other	Standard	501	Agricultural sciences
01.8101	Veterinary sciences/ veterinary clinical sciences, general	DVM	502	Veterinary biomedical and clinical sciences
01.8102	Comparative and laboratory animal medicine	DVM	502	Veterinary biomedical and clinical sciences
01.8103	Large animal/ food animal and equine surgery and medicine	DVM	502	Veterinary biomedical and clinical sciences
01.8104	Small/ companion animal surgery and medicine	DVM	502	Veterinary biomedical and clinical sciences
01.8105	Veterinary anatomy	DVM	502	Veterinary biomedical and clinical sciences
01.8106	Veterinary infectious diseases	DVM	502	Veterinary biomedical and clinical sciences
01.8107	Veterinary microbiology and immunobiology	DVM	502	Veterinary biomedical and clinical sciences
01.8108	Veterinary pathology and pathobiology	DVM	502	Veterinary biomedical and clinical sciences
01.8109	Veterinary physiology	DVM	502	Veterinary biomedical and clinical sciences
01.8110	Veterinary preventive medicine, epidemiology, and public health	DVM	502	Veterinary biomedical and clinical sciences
01.8111	Veterinary toxicology and pharmacology	DVM	502	Veterinary biomedical and clinical sciences
01.8199	Veterinary biomedical and clinical sciences, other	DVM	502	Veterinary biomedical and clinical sciences
01.9999	Agricultural/ animal/ plant/ veterinary science and related fields, other	Standard	501	Agricultural sciences
03.0101	Natural resources/ conservation, general	Standard	511	Forestry, natural resources and conservation
03.0103	Environmental studies	Standard	510	Environmental science and studies
03.0104	Environmental science	Standard	510	Environmental science and studies
03.0199	Natural resources conservation and research, other	Standard	511	Forestry, natural resources and conservation
03.0201	Environmental/ natural resources management and policy, general	Standard	511	Forestry, natural resources and conservation
03.0204	Environmental/ natural resource economics	Standard	901	Agricultural and natural resource economics
03.0205	Water, wetlands, and marine resources management	Standard	511	Forestry, natural resources and conservation
03.0206	Land use planning and management/ development	Standard	511	Forestry, natural resources and conservation
03.0209	Energy and environmental policy	Standard	511	Forestry, natural resources and conservation

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
03.0210	Bioenergy	Standard	511	Forestry, natural resources and conservation
03.0299	Environmental/ natural resources management and policy, other	Standard	511	Forestry, natural resources and conservation
03.0301	Fishing and fisheries sciences and management	Standard	511	Forestry, natural resources and conservation
03.0501	Forestry, general	Standard	511	Forestry, natural resources and conservation
03.0502	Forest sciences and biology	Standard	511	Forestry, natural resources and conservation
03.0506	Forest management/ forest resources management	Standard	511	Forestry, natural resources and conservation
03.0508	Urban forestry	Standard	511	Forestry, natural resources and conservation
03.0509	Wood science and wood products/ pulp and paper technology/ technician	Standard	511	Forestry, natural resources and conservation
03.0510	Forest resources production and management	Standard	511	Forestry, natural resources and conservation
03.0599	Forestry, other	Standard	511	Forestry, natural resources and conservation
03.0601	Wildlife, fish and wildlands science and management	Standard	511	Forestry, natural resources and conservation
03.9999	Natural resources and conservation, other	Standard	511	Forestry, natural resources and conservation
05.0101	African studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0102	American/ United States studies/ civilization	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0103	Asian studies/ civilization	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0104	East Asian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0105	Russian, Central European, East European and Eurasian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0106	European studies/ civilization	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0107	Latin American studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0108	Near and Middle Eastern studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0109	Pacific area/ Pacific Rim studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0110	Russian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0111	Scandinavian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0112	South Asian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0113	Southeast Asian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0114	Western European studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0115	Canadian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0116	Balkans studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0117	Baltic studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0118	Slavic studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0119	Caribbean studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0120	Ural-Altaic and Central Asian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0121	Commonwealth studies	Standard	916	Area, ethnic, cultural, gender, and group studies

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
05.0122	Regional studies (U.S., Canadian, foreign)	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0123	Chinese studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0124	French studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0125	German studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0126	Italian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0127	Japanese studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0128	Korean studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0129	Polish studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0130	Spanish and Iberian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0131	Tibetan studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0132	Ukraine studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0133	Irish studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0134	Latin American and Caribbean studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0135	Appalachian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0136	Arctic studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0199	Area studies, other	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0200	Ethnic studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0201	African-American/ Black studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0202	American Indian/ Native American studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0203	Hispanic-American, Puerto Rican, and Mexican-American/ Chicano studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0206	Asian-American studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0207	Women's studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0208	Gay/ lesbian studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0209	Folklore studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0210	Disability studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0211	Deaf studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0212	Comparative group studies	Standard	916	Area, ethnic, cultural, gender, and group studies
05.0299	Ethnic, cultural minority, gender, and group studies, other	Standard	916	Area, ethnic, cultural, gender, and group studies

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
05.9999	Area, ethnic, cultural, gender, and group studies, other	Standard	916	Area, ethnic, cultural, gender, and group studies
11.0101	Computer and information sciences, general	DCS, MBA	411	Computer and information science
11.0102	Artificial intelligence	DCS, MBA	416	Artificial intelligence, informatics and CIS topics
11.0103	Information technology	DCS, MBA	414	Information technology
11.0104	Informatics	DCS, MBA	416	Artificial intelligence, informatics and CIS topics
11.0105	Human-centered technology design	DCS, MBA	416	Artificial intelligence, informatics and CIS topics
11.0199	Computer and information sciences, other	DCS, MBA	416	Artificial intelligence, informatics and CIS topics
11.0401	Information science/ studies	DCS, MBA	415	Information science and studies
11.0501	Computer systems analysis/ analyst	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0701	Computer science	DCS, MBA	410	Computer science
11.0802	Data modeling/ warehousing and database administration	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0803	Computer graphics	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0804	Modeling, virtual environments and simulation	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0899	Computer software and media applications, other	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0901	Computer systems networking and telecommunications	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0902	Cloud computing	DCS, MBA	412	Computer and information science, not elsewhere classified
11.0999	Computer systems networking and telecommunications, other	DCS, MBA	412	Computer and information science, not elsewhere classified
11.1003	Computer and information systems security/ auditing/ information assurance	DCS, MBA	413	Computer and information systems security
11.1005	Information technology project management	DCS, MBA	412	Computer and information science, not elsewhere classified
11.9999	Computer and information sciences and support services, other	DCS, MBA	412	Computer and information science, not elsewhere classified
14.0101	Engineering, general	Standard	114	Engineering, not elsewhere classified
14.0103	Applied engineering	Standard	114	Engineering, not elsewhere classified
14.0201	Aerospace, aeronautical, and astronautical/ space engineering, general	Standard	101	Aerospace, aeronautical, and astronautical engineering
14.0202	Astronautical engineering	Standard	101	Aerospace, aeronautical, and astronautical engineering
14.0299	Aerospace, aeronautical, and astronautical/ space engineering, other	Standard	101	Aerospace, aeronautical, and astronautical engineering
14.0301	Agricultural engineering	Standard	102	Agricultural engineering
14.0401	Architectural engineering	Standard	117	Architectural, environmental, construction and surveying engineering
14.0501	Bioengineering and biomedical engineering	Standard	103	Bioengineering and biomedical engineering
14.0601	Ceramic sciences and engineering	Standard	110	Metallurgical and materials engineering
14.0701	Chemical engineering	Standard	104	Chemical engineering
14.0702	Chemical and biomolecular engineering	Standard	104	Chemical engineering
14.0799	Chemical engineering, other	Standard	104	Chemical engineering
14.0801	Civil engineering, general	Standard	105	Civil engineering
14.0802	Geotechnical and geoenvironmental engineering	Standard	105	Civil engineering
14.0803	Structural engineering	Standard	105	Civil engineering
14.0804	Transportation and highway engineering	Standard	105	Civil engineering

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
14.0805	Water resources engineering	Standard	105	Civil engineering
14.0899	Civil engineering, other	Standard	105	Civil engineering
14.0901	Computer engineering	Standard	118	Computer engineering
14.0902	Computer hardware engineering	Standard	118	Computer engineering
14.0903	Computer software engineering	Standard	118	Computer engineering
14.0999	Computer engineering, other	Standard	118	Computer engineering
14.1001	Electrical and electronics engineering	Standard	106	Electrical, electronics, and communications engineering
14.1003	Laser and optical engineering	Standard	106	Electrical, electronics, and communications engineering
14.1004	Telecommunications engineering	Standard	106	Electrical, electronics, and communications engineering
14.1099	Electrical, electronics, and communications engineering, other	Standard	106	Electrical, electronics, and communications engineering
14.1101	Engineering mechanics	Standard	107	Engineering mechanics, physics, and science
14.1201	Engineering physics/ applied physics	Standard	107	Engineering mechanics, physics, and science
14.1301	Engineering science	Standard	107	Engineering mechanics, physics, and science
14.1401	Environmental/ environmental health engineering	Standard	117	Architectural, environmental, construction and surveying engineering
14.1801	Materials engineering	Standard	110	Metallurgical and materials engineering
14.1901	Mechanical engineering	Standard	109	Mechanical engineering
14.2001	Metallurgical engineering	Standard	110	Metallurgical and materials engineering
14.2101	Mining and mineral engineering	Standard	111	Mining and mineral engineering
14.2201	Naval architecture and marine engineering	Standard	114	Engineering, not elsewhere classified
14.2301	Nuclear engineering	Standard	112	Nuclear engineering
14.2401	Ocean engineering	Standard	114	Engineering, not elsewhere classified
14.2501	Petroleum engineering	Standard	113	Petroleum engineering
14.2701	Systems engineering	Standard	119	Systems engineering and operations research
14.2801	Textile sciences and engineering	Standard	110	Metallurgical and materials engineering
14.3201	Polymer/ plastics engineering	Standard	104	Chemical engineering
14.3301	Construction engineering	Standard	117	Architectural, environmental, construction and surveying engineering
14.3401	Forest engineering	Standard	114	Engineering, not elsewhere classified
14.3501	Industrial engineering	Standard	108	Industrial and manufacturing engineering
14.3601	Manufacturing engineering	Standard	108	Industrial and manufacturing engineering
14.3701	Operations research	Standard	119	Systems engineering and operations research
14.3801	Surveying engineering	Standard	117	Architectural, environmental, construction and surveying engineering
14.3901	Geological/ geophysical engineering	Standard	111	Mining and mineral engineering
14.4001	Paper science and engineering	Standard	104	Chemical engineering
14.4101	Electromechanical engineering	Standard	109	Mechanical engineering
14.4201	Mechatronics, robotics, and automation engineering	Standard	109	Mechanical engineering
14.4301	Biochemical engineering	Standard	104	Chemical engineering
14.4401	Engineering chemistry	Standard	104	Chemical engineering
14.4501	Biological/ biosystems engineering	Standard	115	Biological and biosystems engineering
14.4701	Electrical and computer engineering	Standard	106	Electrical, electronics, and communications engineering
14.4801	Energy systems engineering, general	Standard	114	Engineering, not elsewhere classified
14.4802	Power plant engineering	Standard	114	Engineering, not elsewhere classified
14.4899	Energy systems engineering, other	Standard	114	Engineering, not elsewhere classified
14.9999	Engineering, other	Standard	114	Engineering, not elsewhere classified
15.1502	Engineering design	Standard	114	Engineering, not elsewhere classified
15.1601	Nanotechnology	Standard	116	Nanotechnology
16.0102	Linguistics	Standard	906	Linguistics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
16.0105	Applied linguistics	Standard	906	Linguistics
16.0199	Linguistic, comparative, and related language studies and services, other	Standard	906	Linguistics
19.0701	Human development and family studies, general	Standard	915	Human development
19.0702	Adult development and aging	Standard	915	Human development
19.0706	Child development	Standard	915	Human development
26.0101	Biology/ biological sciences, general	Standard	603	Biology
26.0102	Biomedical sciences, general	Standard	623	Biomedical sciences
26.0202	Biochemistry	Standard	602	Biochemistry
26.0203	Biophysics	Standard	605	Biophysics
26.0204	Molecular biology	Standard	622	Molecular biology
26.0205	Molecular biochemistry	Standard	602	Biochemistry
26.0206	Molecular biophysics	Standard	605	Biophysics
26.0207	Structural biology	Standard	622	Molecular biology
26.0208	Photobiology	Standard	622	Molecular biology
26.0209	Radiation biology/ radiobiology	Standard	622	Molecular biology
26.021	Biochemistry and molecular biology	Standard	602	Biochemistry
26.0299	Biochemistry, biophysics and molecular biology, other	Standard	602	Biochemistry
26.0301	Botany/ plant biology	Standard	606	Botany and plant biology
26.0305	Plant pathology/ phytopathology	Standard	606	Botany and plant biology
26.0307	Plant physiology	Standard	606	Botany and plant biology
26.0308	Plant molecular biology	Standard	606	Botany and plant biology
26.0399	Botany/ plant biology, other	Standard	606	Botany and plant biology
26.0401	Cell/ cellular biology and histology	Standard	619	Cell, cellular biology and anatomical sciences
26.0403	Anatomy	Standard	619	Cell, cellular biology and anatomical sciences
26.0404	Developmental biology and embryology	Standard	619	Cell, cellular biology and anatomical sciences
26.0406	Cell/ cellular and molecular biology	Standard	619	Cell, cellular biology and anatomical sciences
26.0407	Cell biology and anatomy	Standard	619	Cell, cellular biology and anatomical sciences
26.0499	Cell/ cellular biology and anatomical sciences, other	Standard	619	Cell, cellular biology and anatomical sciences
26.0502	Microbiology, general	Standard	611	Microbiological sciences and immunology
26.0503	Medical microbiology and bacteriology	Standard	611	Microbiological sciences and immunology
26.0504	Virology	Standard	611	Microbiological sciences and immunology
26.0505	Parasitology	Standard	611	Microbiological sciences and immunology
26.0506	Mycology	Standard	611	Microbiological sciences and immunology
26.0507	Immunology	Standard	611	Microbiological sciences and immunology
26.0508	Microbiology and immunology	Standard	611	Microbiological sciences and immunology
26.0509	Infectious disease and global health	Standard	611	Microbiological sciences and immunology
26.0599	Microbiological sciences and immunology, other	Standard	611	Microbiological sciences and immunology
26.0701	Zoology/ animal biology	Standard	616	Zoology and animal biology
26.0702	Entomology	Standard	616	Zoology and animal biology
26.0707	Animal physiology	Standard	616	Zoology and animal biology
26.0708	Animal behavior and ethology	Standard	616	Zoology and animal biology
26.0709	Wildlife biology	Standard	616	Zoology and animal biology
26.0799	Zoology/ animal biology, other	Standard	616	Zoology and animal biology
26.0801	Genetics, general	Standard	610	Genetics
26.0802	Molecular genetics	Standard	610	Genetics
26.0803	Microbial and eukaryotic genetics	Standard	610	Genetics
26.0804	Animal genetics	Standard	610	Genetics
26.0805	Plant genetics	Standard	610	Genetics
26.0806	Human/ medical genetics	Standard	610	Genetics
26.0807	Genome sciences/ genomics	Standard	610	Genetics
26.0899	Genetics, other	Standard	610	Genetics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
26.0901	Physiology, general	Standard	615	Physiology
26.0902	Molecular physiology	Standard	615	Physiology
26.0903	Cell physiology	Standard	615	Physiology
26.0904	Endocrinology	Standard	615	Physiology
26.0905	Reproductive biology	Standard	615	Physiology
26.0907	Cardiovascular science	Standard	615	Physiology
26.0908	Exercise physiology and kinesiology	Standard	615	Physiology
26.0909	Vision science/ physiological optics	Standard	615	Physiology
26.091	Pathology/ experimental pathology	Standard	613	Pathology/experimental pathology
26.0911	Oncology and cancer biology	Standard	615	Physiology
26.0912	Aerospace physiology and medicine	Standard	615	Physiology
26.0913	Biomechanics	Standard	615	Physiology
26.0999	Physiology, pathology, and related sciences, other	Standard	615	Physiology
26.1001	Pharmacology	Standard	614	Pharmacology and toxicology
26.1002	Molecular pharmacology	Standard	614	Pharmacology and toxicology
26.1003	Neuropharmacology	Standard	614	Pharmacology and toxicology
26.1004	Toxicology	Standard	614	Pharmacology and toxicology
26.1005	Molecular toxicology	Standard	614	Pharmacology and toxicology
26.1006	Environmental toxicology	Standard	614	Pharmacology and toxicology
26.1007	Pharmacology and toxicology	Standard	614	Pharmacology and toxicology
26.1099	Pharmacology and toxicology, other	Standard	614	Pharmacology and toxicology
26.1101	Biometry/ biometrics	Standard	618	Biostatistics and bioinformatics
26.1102	Biostatistics	Standard	618	Biostatistics and bioinformatics
26.1103	Bioinformatics	Standard	618	Biostatistics and bioinformatics
26.1104	Computational biology	Standard	618	Biostatistics and bioinformatics
26.1199	Biomathematics, bioinformatics, and computational biology, other	Standard	618	Biostatistics and bioinformatics
26.1201	Biotechnology	Standard	624	Biotechnology
26.1301	Ecology	Standard	620	Ecology and population biology
26.1302	Marine biology and biological oceanography	Standard	303	Ocean and marine sciences
26.1303	Evolutionary biology	Standard	620	Ecology and population biology
26.1304	Aquatic biology/ limnology	Standard	620	Ecology and population biology
26.1305	Environmental biology	Standard	620	Ecology and population biology
26.1306	Population biology	Standard	620	Ecology and population biology
26.1307	Conservation biology	Standard	620	Ecology and population biology
26.1308	Systematic biology/ biological systematics	Standard	620	Ecology and population biology
26.1309	Epidemiology	Standard	621	Epidemiology
26.131	Ecology and evolutionary biology	Standard	620	Ecology and population biology
26.1311	Epidemiology and biostatistics	Standard	621	Epidemiology
26.1399	Ecology, evolution, systematics and population biology, other	Standard	620	Ecology and population biology
26.1401	Molecular medicine	Standard	617	Biological and biomedical sciences, not elsewhere classified
26.1501	Neuroscience	Standard	950	Neurobiology and neuroscience
26.1502	Neuroanatomy	Standard	950	Neurobiology and neuroscience
26.1503	Neurobiology and anatomy	Standard	950	Neurobiology and neuroscience
26.1504	Neurobiology and behavior	Standard	950	Neurobiology and neuroscience
26.1599	Neurobiology and neurosciences, other	Standard	950	Neurobiology and neuroscience
26.9999	Biological and biomedical sciences, other	Standard	617	Biological and biomedical sciences, not elsewhere classified
27.0101	Mathematics, general	Standard	405	Mathematics
27.0102	Algebra and number theory	Standard	405	Mathematics
27.0103	Analysis and functional analysis	Standard	405	Mathematics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
27.0104	Geometry/ geometric analysis	Standard	405	Mathematics
27.0105	Topology and foundations	Standard	405	Mathematics
27.0199	Mathematics, other	Standard	405	Mathematics
27.0301	Applied mathematics, general	Standard	404	Applied mathematics
27.0303	Computational mathematics	Standard	404	Applied mathematics
27.0304	Computational and applied mathematics	Standard	404	Applied mathematics
27.0305	Financial mathematics	Standard	404	Applied mathematics
27.0306	Mathematical biology	Standard	404	Applied mathematics
27.0399	Applied mathematics, other	Standard	404	Applied mathematics
27.0501	Statistics, general	Standard	403	Statistics
27.0502	Mathematical statistics and probability	Standard	403	Statistics
27.0503	Mathematics and statistics	Standard	403	Statistics
27.0599	Statistics, other	Standard	403	Statistics
27.0601	Applied statistics, general	Standard	403	Statistics
27.9999	Mathematics and statistics, other	Standard	403	Statistics
30.0101	Biological and physical sciences	Standard	982	Biological and physical sciences
30.0501	Peace studies and conflict resolution	Standard	980	Multidisciplinary and interdisciplinary sciences
30.0601	Systems science and theory	Standard	980	Multidisciplinary and interdisciplinary sciences
30.0801	Mathematics and computer science	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1001	Biopsychology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1101	Gerontology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1501	Science, technology and society	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1601	Accounting and computer science	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1701	Behavioral sciences	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1801	Natural sciences	Standard	980	Multidisciplinary and interdisciplinary sciences
30.1901	Nutrition sciences	Standard	612	Nutrition science
30.2001	International/ globalization studies	Standard	983	International and global studies
30.2101	Holocaust and related studies	Standard	980	Multidisciplinary and interdisciplinary sciences
30.2301	Intercultural/ multicultural and diversity studies	Standard	980	Multidisciplinary and interdisciplinary sciences
30.2501	Cognitive science, general	Standard	980	Multidisciplinary and interdisciplinary sciences
30.2599	Cognitive science, other	Standard	980	Multidisciplinary and interdisciplinary sciences
30.2701	Human biology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.3001	Computational science	Standard	981	Computational science
30.3101	Human computer interaction	Standard	980	Multidisciplinary and interdisciplinary sciences
30.3201	Marine sciences	Standard	303	Ocean and marine sciences
30.3401	Anthrozoology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.3501	Climate science	Standard	980	Multidisciplinary and interdisciplinary sciences
30.3601	Cultural studies and comparative literature	Standard	916	Area, ethnic, cultural, gender, and group studies
30.3701	Design for human health	Standard	722	Health-related, not elsewhere classified
30.3801	Earth systems science	Standard	302	Geological and earth sciences
30.3901	Economics and computer science	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4001	Economics and foreign language/ literature	Standard	903	Economics
30.4101	Environmental geosciences	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4201	Geoarchaeology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4301	Geobiology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4401	Geography and environmental studies	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4701	Linguistics and anthropology	Standard	910	Social sciences, not elsewhere classified
30.4801	Linguistics and computer science	Standard	980	Multidisciplinary and interdisciplinary sciences
30.4901	Mathematical economics	Standard	980	Multidisciplinary and interdisciplinary sciences
30.5001	Mathematics and atmospheric/ oceanic science	Standard	303	Ocean and marine sciences
30.5101	Philosophy, politics, and economics	Standard	910	Social sciences, not elsewhere classified

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
30.5301	Thanatology	Standard	980	Multidisciplinary and interdisciplinary sciences
30.7001	Data science, general	MBA	984	Data science and data analytics
30.7099	Data science, other	MBA	984	Data science and data analytics
30.7101	Data analytics, general	MBA	984	Data science and data analytics
30.7103	Data visualization	MBA	984	Data science and data analytics
30.7199	Data analytics, other	MBA	984	Data science and data analytics
31.0505	Exercise science and kinesiology	Standard	724	Kinesiology and exercise science
38.0102	Logic	Standard	405	Mathematics
40.0101	Physical sciences, general	Standard	204	Physical sciences, not elsewhere classified
40.0201	Astronomy	Standard	201	Astronomy and astrophysics
40.0202	Astrophysics	Standard	201	Astronomy and astrophysics
40.0203	Planetary astronomy and science	Standard	201	Astronomy and astrophysics
40.0299	Astronomy and astrophysics, other	Standard	201	Astronomy and astrophysics
40.0401	Atmospheric sciences and meteorology, general	Standard	301	Atmospheric sciences and meteorology
40.0402	Atmospheric chemistry and climatology	Standard	301	Atmospheric sciences and meteorology
40.0403	Atmospheric physics and dynamics	Standard	301	Atmospheric sciences and meteorology
40.0404	Meteorology	Standard	301	Atmospheric sciences and meteorology
40.0499	Atmospheric sciences and meteorology, other	Standard	301	Atmospheric sciences and meteorology
40.0501	Chemistry, general	Standard	202	Chemistry
40.0502	Analytical chemistry	Standard	202	Chemistry
40.0503	Inorganic chemistry	Standard	202	Chemistry
40.0504	Organic chemistry	Standard	202	Chemistry
40.0506	Physical chemistry	Standard	202	Chemistry
40.0507	Polymer chemistry	Standard	202	Chemistry
40.0508	Chemical physics	Standard	202	Chemistry
40.0509	Environmental chemistry	Standard	202	Chemistry
40.051	Forensic chemistry	Standard	202	Chemistry
40.0511	Theoretical chemistry	Standard	202	Chemistry
40.0512	Cheminformatics/ chemistry informatics	Standard	202	Chemistry
40.0599	Chemistry, other	Standard	202	Chemistry
40.0601	Geology/ earth science, general	Standard	302	Geological and earth sciences
40.0602	Geochemistry	Standard	302	Geological and earth sciences
40.0603	Geophysics and seismology	Standard	302	Geological and earth sciences
40.0604	Paleontology	Standard	302	Geological and earth sciences
40.0605	Hydrology and water resources science	Standard	302	Geological and earth sciences
40.0606	Geochemistry and petrology	Standard	302	Geological and earth sciences
40.0607	Oceanography, chemical and physical	Standard	303	Ocean and marine sciences
40.0699	Geological and earth sciences/ geosciences, other	Standard	302	Geological and earth sciences
40.0801	Physics, general	Standard	203	Physics
40.0802	Atomic/ molecular physics	Standard	203	Physics
40.0804	Elementary particle physics	Standard	203	Physics
40.0805	Plasma and high-temperature physics	Standard	203	Physics
40.0806	Nuclear physics	Standard	203	Physics
40.0807	Optics/ optical sciences	Standard	203	Physics
40.0808	Condensed matter and materials physics	Standard	203	Physics
40.0809	Acoustics	Standard	203	Physics
40.081	Theoretical and mathematical physics	Standard	203	Physics
40.0899	Physics, other	Standard	203	Physics
40.1001	Materials science	Standard	205	Materials sciences
40.1002	Materials chemistry	Standard	205	Materials sciences
40.1099	Materials sciences, other	Standard	205	Materials sciences
40.1101	Physics and astronomy	Standard	204	Physical sciences, not elsewhere classified

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
40.9999	Physical sciences, other	Standard	204	Physical sciences, not elsewhere classified
42.0101	Psychology, general	PsyD	801	Psychology, general
42.2701	Cognitive psychology and psycholinguistics	PsyD	805	Research and experimental psychology
42.2702	Comparative psychology	PsyD	805	Research and experimental psychology
42.2703	Developmental and child psychology	PsyD	805	Research and experimental psychology
42.2704	Experimental psychology	PsyD	805	Research and experimental psychology
42.2705	Personality psychology	PsyD	805	Research and experimental psychology
42.2706	Behavioral neuroscience	PsyD	805	Research and experimental psychology
42.2707	Social psychology	PsyD	805	Research and experimental psychology
42.2708	Psychometrics and quantitative psychology	PsyD	805	Research and experimental psychology
42.2709	Psychopharmacology	PsyD	805	Research and experimental psychology
42.271	Developmental and adolescent psychology	PsyD	805	Research and experimental psychology
42.2799	Research and experimental psychology, other	PsyD	805	Research and experimental psychology
42.2801	Clinical psychology	PsyD	803	Clinical psychology
42.2802	Community psychology	PsyD	804	Applied psychology
42.2803	Counseling psychology	PsyD	806	Counseling psychology
42.2804	Industrial and organizational psychology	PsyD	804	Applied psychology
42.2805	School psychology	PsyD	804	Applied psychology
42.2806	Educational psychology	PsyD	804	Applied psychology
42.2807	Clinical child psychology	PsyD	803	Clinical psychology
42.2808	Environmental psychology	PsyD	804	Applied psychology
42.2809	Geropsychology	PsyD	804	Applied psychology
42.281	Health/ medical psychology	PsyD	804	Applied psychology
42.2811	Family psychology	PsyD	804	Applied psychology
42.2812	Forensic psychology	PsyD	804	Applied psychology
42.2813	Applied psychology	PsyD	804	Applied psychology
42.2814	Applied behavior analysis	PsyD	804	Applied psychology
42.2815	Performance and sport psychology	PsyD	804	Applied psychology
42.2899	Clinical, counseling and applied psychology, other	PsyD	804	Applied psychology
42.9999	Psychology, other	PsyD	804	Applied psychology
43.0104	Criminal justice/ safety studies	Standard	911	Criminal justice - safety studies
44.0501	Public policy analysis, general	Standard	914	Public policy analysis
44.0502	Education policy analysis	Standard	914	Public policy analysis
44.0503	Health policy analysis	Standard	914	Public policy analysis
44.0504	International policy analysis	Standard	914	Public policy analysis
44.0599	Public policy analysis, other	Standard	914	Public policy analysis
45.0101	Social sciences, general	Standard	910	Social sciences, not elsewhere classified
45.0102	Research methodology and quantitative methods	Standard	910	Social sciences, not elsewhere classified
45.0103	Survey research/ methodology	Standard	910	Social sciences, not elsewhere classified
45.0201	Anthropology, general	Standard	902	Anthropology
45.0202	Physical and biological anthropology	Standard	902	Anthropology
45.0203	Medical anthropology	Standard	902	Anthropology
45.0204	Cultural anthropology	Standard	902	Anthropology
45.0205	Forensic anthropology	Standard	902	Anthropology
45.0299	Anthropology, other	Standard	902	Anthropology
45.0301	Archeology	Standard	910	Social sciences, not elsewhere classified
45.0401	Criminology	Standard	917	Criminology
45.0501	Demography and population studies	Standard	908	Sociology and demography
45.0502	Applied demography	Standard	908	Sociology and demography
45.0599	Demography, other	Standard	908	Sociology and demography
45.0601	Economics, general	Standard	903	Economics
45.0602	Applied economics	Standard	903	Economics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
45.0603	Econometrics and quantitative economics	Standard	903	Economics
45.0604	Development economics and international development	Standard	903	Economics
45.0605	International economics	Standard	903	Economics
45.0699	Economics, other	Standard	903	Economics
45.0701	Geography	Standard	904	Geography and cartography
45.0702	Geographic information science and cartography	Standard	904	Geography and cartography
45.0799	Geography, other	Standard	904	Geography and cartography
45.0901	International relations and affairs	Standard	912	International relations and national security studies
45.0902	National security policy studies	Standard	912	International relations and national security studies
45.0999	International relations and national security studies, other	Standard	912	International relations and national security studies
45.1001	Political science and government, general	Standard	907	Political science and government
45.1002	American government and politics (United States)	Standard	907	Political science and government
45.1003	Canadian government and politics	Standard	907	Political science and government
45.1004	Political economy	Standard	907	Political science and government
45.1099	Political science and government, other	Standard	907	Political science and government
45.1101	Sociology, general	Standard	908	Sociology and demography
45.1102	Applied/ public sociology	Standard	908	Sociology and demography
45.1103	Rural sociology	Standard	908	Sociology and demography
45.1199	Sociology, other	Standard	908	Sociology and demography
45.1201	Urban studies/ affairs	Standard	918	Urban studies and affairs
45.1301	Sociology and anthropology	Standard	908	Sociology and demography
45.1501	Geography and anthropology	Standard	910	Social sciences, not elsewhere classified
45.9999	Social sciences, other	Standard	910	Social sciences, not elsewhere classified
51	Health services/ allied health/ health sciences, general	DPT, DScPT, OTD	722	Health-related, not elsewhere classified
51.0201	Communication sciences and disorders, general	AuD, SLPD	723	Communication disorders sciences
51.0202	Audiology/ audiologist	AuD, SLPD	723	Communication disorders sciences
51.0203	Speech-language pathology/ pathologist	AuD, SLPD	723	Communication disorders sciences
51.0204	Audiology/ audiologist and speech-language pathology/ pathologist	AuD, SLPD	723	Communication disorders sciences
51.0299	Communication disorders sciences and services, other	AuD, SLPD	723	Communication disorders sciences
51.0501	Dental clinical sciences, general	DDS	718	Dental sciences
51.0503	Oral biology and oral and maxillofacial pathology	DDS	718	Dental sciences
51.0504	Dental public health and education	DDS	718	Dental sciences
51.0505	Dental materials	DDS	718	Dental sciences
51.0506	Endodontics/ endodontology	DDS	718	Dental sciences
51.0507	Oral/ maxillofacial surgery	DDS	718	Dental sciences
51.0508	Orthodontics/ orthodontology	DDS	718	Dental sciences
51.0509	Pediatric dentistry/ pedodontics	DDS	718	Dental sciences
51.051	Periodontics/ periodontology	DDS	718	Dental sciences
51.0511	Prosthodontics/ prosthodontology	DDS	718	Dental sciences
51.0512	Digital dentistry	DDS	718	Dental sciences
51.0513	Geriatric dentistry	DDS	718	Dental sciences
51.0514	Implantology/ implant dentistry	DDS	718	Dental sciences
51.0599	Advanced/ graduate dentistry and oral sciences, other	DDS	718	Dental sciences
51.1003	Hematology technology/ technician	Master's, DN, DO, DPM, MD, OD	725	Clinical and medical laboratory science
51.1004	Clinical/ medical laboratory technician	Master's, DN, DO, DPM, MD, OD	725	Clinical and medical laboratory science
51.1005	Clinical laboratory science/ medical technology/ technologist	Master's, DN, DO, DPM, MD, OD	725	Clinical and medical laboratory science

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
51.101	Cytogenetics/ genetics/ clinical genetics technology/ technologist	Master's, DN, DO, DPM, MD, OD	725	Clinical and medical laboratory science
51.1099	Clinical/ medical laboratory science and allied professions, other	Master's, DN, DO, DPM, MD, OD	725	Clinical and medical laboratory science
51.1401	Medical science/ scientist	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.1402	Clinical and translational science	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.1403	Pain management	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.1404	Temporomandibular disorders and orofacial pain	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.1405	Tropical medicine	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.1499	Medical clinical sciences/ graduate medical studies, other	DN, DO, DPM, MD, OD	730	Medical clinical sciences
51.2002	Pharmacy administration and pharmacy policy and regulatory affairs	Master's, PharmD	720	Pharmaceutical sciences
51.2003	Pharmaceutics and drug design	PharmD	720	Pharmaceutical sciences
51.2004	Medicinal and pharmaceutical chemistry	PharmD	720	Pharmaceutical sciences
51.2005	Natural products chemistry and pharmacognosy	PharmD	720	Pharmaceutical sciences
51.2006	Clinical and industrial drug development	PharmD	720	Pharmaceutical sciences
51.2007	Pharmacoeconomics/ pharmaceutical economics	PharmD	720	Pharmaceutical sciences
51.2009	Industrial and physical pharmacy and cosmetic sciences	PharmD	720	Pharmaceutical sciences
51.201	Pharmaceutical sciences	PharmD	720	Pharmaceutical sciences
51.2099	Pharmacy, pharmaceutical sciences, and administration, other	Master's, PharmD	720	Pharmaceutical sciences
51.2201	Public health, general	MHSA, MBA	712	Public health
51.2202	Environmental health	Standard	712	Public health
51.2205	Health/ medical physics	Standard	712	Public health
51.2206	Occupational health and industrial hygiene	Standard	712	Public health
51.2207	Public health education and promotion	Standard	712	Public health
51.2208	Community health and preventive medicine	Standard	712	Public health
51.2209	Maternal and child health	Standard	712	Public health
51.221	International public health/ international health	Standard	712	Public health
51.2211	Health services administration	MHSA, MBA	712	Public health
51.2212	Behavioral aspects of health	Standard	712	Public health
51.2213	Patient safety and healthcare quality	Standard	712	Public health
51.2214	Public health genetics	Standard	712	Public health
51.2299	Public health, other	MHSA, MBA	712	Public health
51.2306	Occupational therapy/ therapist	Master's, OTD	722	Health-related, not elsewhere classified
51.2308	Physical therapy/ therapist	Master's, DPT, DScPT	722	Health-related, not elsewhere classified
51.2314	Rehabilitation science	DPT, DScPT, OTD	722	Health-related, not elsewhere classified
51.2706	Medical informatics	MBA	722	Health-related, not elsewhere classified
51.3201	Bioethics/ medical ethics	Standard	722	Health-related, not elsewhere classified
51.3205	History of medicine	Standard	722	Health-related, not elsewhere classified
51.3801	Registered nursing/ registered nurse	Master's, ND, DNP	719	Nursing
51.3802	Nursing administration	Master's, ND, DNP	719	Nursing
51.3804	Nurse anesthetist	Master's, ND, DNP	719	Nursing
51.3808	Nursing science	ND, DNP	719	Nursing

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
51.3899	Registered nursing, nursing administration, nursing research and clinical nursing, other	Master's, ND, DNP	719	Nursing
51.9999	Health professions and related clinical sciences, other	Master's	722	Health-related, not elsewhere classified
54.0104	History and philosophy of science and technology	Standard	905	History and philosophy of science and technology
01.8001	Veterinary medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
15.0401	Biomedical technology/ technician	Postdocs and NFRs only	103	Bioengineering and biomedical engineering
51.0401	Dentistry	Postdocs and NFRs only	718	Dental sciences
51.0502	Advanced general dentistry	Postdocs and NFRs only	718	Dental sciences
51.1201	Medicine	Postdocs and NFRs only	var	Must be reported using GSS code
51.1299	Medicine, other	Postdocs and NFRs only	var	Must be reported using GSS code
51.2001	Pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0101	Oral and maxillofacial surgery	Postdocs and NFRs only	718	Dental sciences
60.0102	Dental public health	Postdocs and NFRs only	718	Dental sciences
60.0103	Endodontics	Postdocs and NFRs only	718	Dental sciences
60.0104	Oral and maxillofacial pathology	Postdocs and NFRs only	718	Dental sciences
60.0105	Orthodontics	Postdocs and NFRs only	718	Dental sciences
60.0106	Pediatric dentistry	Postdocs and NFRs only	718	Dental sciences
60.0107	Periodontology	Postdocs and NFRs only	718	Dental sciences
60.0108	Prosthodontics	Postdocs and NFRs only	718	Dental sciences
60.0109	Oral and maxillofacial radiology	Postdocs and NFRs only	718	Dental sciences
60.0199	Dental, other	Postdocs and NFRs only	718	Dental sciences
60.0301	Veterinary anesthesiology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0302	Veterinary dentistry	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0303	Veterinary dermatology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0304	Veterinary emergency and critical care medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0305	Veterinary internal medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0306	Laboratory animal medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0307	Veterinary microbiology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0308	Veterinary nutrition	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0309	Veterinary ophthalmology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
60.031	Veterinary pathology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0311	Veterinary practice	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0312	Veterinary preventive medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0313	Veterinary radiology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0314	Veterinary surgery	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0315	Theriogenology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0316	Veterinary toxicology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0317	Zoological medicine	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0318	Poultry veterinarian	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0319	Veterinary behaviorist	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.032	Veterinary clinical pharmacology	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0399	Veterinary specialties, other	Postdocs and NFRs only	502	Veterinary biomedical and clinical sciences
60.0701	Nurse practitioner, general	Postdocs and NFRs only	719	Nursing
60.0702	Combined nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0703	Acute care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0704	Adult/ gerontology acute care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0705	Adult/ gerontology critical care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0706	Cardiology/ cardiovascular nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0707	Clinical informatics nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0708	Dermatology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0709	Developmental and behavioral pediatrics nurse practitioner	Postdocs and NFRs only	719	Nursing
60.071	Diabetes nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0711	Emergency medicine nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0712	Endocrinology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0713	Family medicine nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0714	Gastroenterology and hepatology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0715	Gastroenterology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0716	Genetics nurse practitioner	Postdocs and NFRs only	719	Nursing

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
60.0717	Gerontology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0718	Global health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0719	Hematology-oncology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.072	Hepatology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0721	Home-based primary care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0722	Hospice and palliative medicine nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0723	Hospital medicine nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0724	Infectious diseases nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0725	Neonatal nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0726	Nephrology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0727	Neurology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0728	Neuroscience nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0729	Obstetrics and gynecology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.073	Occupational health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0731	Orthopedic nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0732	Orthopedic surgery nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0733	Pain management nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0734	Palliative care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0735	Pediatric hematology-oncology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0736	Pediatric nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0737	Pediatric rehabilitation nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0738	Psychiatric/ mental health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0739	Public/ community health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.074	Pulmonary nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0741	Rheumatology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0742	Rural health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0743	Sleep medicine nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0744	Surgical and critical care nurse practitioner	Postdocs and NFRs only	719	Nursing

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
60.0745	Surgical wound and reconstruction nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0746	Transplantation nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0747	Trauma and critical care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0748	Urgent care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0749	Urology nurse practitioner	Postdocs and NFRs only	719	Nursing
60.075	Women's health nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0751	Wound care nurse practitioner	Postdocs and NFRs only	719	Nursing
60.0799	Nurse practitioner, other	Postdocs and NFRs only	719	Nursing
60.0801	Pharmacy, general	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0802	Combined pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0803	Ambulatory care pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0804	Cardiology pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0805	Clinical pharmacogenomics pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0806	Community/ community-based pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0807	Corporate pharmacy leadership	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0808	Critical care pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0809	Drug information pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.081	Emergency medicine pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0811	Family medicine pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0812	Geriatric pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0813	Health system medication management pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0814	Health system pharmacy administration and leadership	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0815	Infectious diseases pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0816	Internal medicine pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0817	Investigational drugs and pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0818	Managed care pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0819	Medication systems and operations pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.082	Medication-use safety pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
60.0821	Neonatal pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0822	Nephrology pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0823	Neurology pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0824	Nuclear pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0825	Nutrition support pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0826	Oncology pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0827	Palliative care/ pain management pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0828	Pediatric pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0829	Pharmacotherapy pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.083	Pharmacy informatics pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0831	Psychiatric pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0832	Transplantation pharmacy	Postdocs and NFRs only	720	Pharmaceutical sciences
60.0899	Pharmacy research, other	Postdocs and NFRs only	720	Pharmaceutical sciences
61.0101	Combined medical, general	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0102	Diagnostic radiology/ nuclear medicine combined	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.0103	Emergency medicine/ anesthesiology combined	Postdocs and NFRs only	701	Anesthesiology
61.0104	Family medicine/ emergency medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0105	Family medicine/ osteopathic neuromusculoskeletal medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0106	Family medicine/ preventive medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0107	Family medicine/ psychiatry combined	Postdocs and NFRs only	713	Psychiatry
61.0108	Internal medicine/ anesthesiology combined	Postdocs and NFRs only	701	Anesthesiology
61.0109	Internal medicine/ dermatology combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.011	Internal medicine/ emergency medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0111	Internal medicine/ emergency medicine/ critical care medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0112	Internal medicine/ family medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0113	Internal medicine/ medical genetics and genomics combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0114	Internal medicine/ neurology combined	Postdocs and NFRs only	707	Neurology
61.0115	Internal medicine/ pediatrics combined	Postdocs and NFRs only	711	Pediatrics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.0116	Internal medicine/ preventive medicine combined	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0117	Internal medicine/ psychiatry combined	Postdocs and NFRs only	713	Psychiatry
61.0118	Medical genetics and genomics/ maternal-fetal medicine combined	Postdocs and NFRs only	708	Obstetrics and gynecology
61.0119	Pediatrics/ anesthesiology combined	Postdocs and NFRs only	701	Anesthesiology
61.012	Pediatrics/ emergency medicine combined	Postdocs and NFRs only	711	Pediatrics
61.0121	Pediatrics/ medical genetics and genomics combined	Postdocs and NFRs only	711	Pediatrics
61.0122	Pediatrics/ physical medicine & rehabilitation combined	Postdocs and NFRs only	711	Pediatrics
61.0123	Pediatrics/ psychology/ child-adolescent psychology combined	Postdocs and NFRs only	711	Pediatrics
61.0124	Psychiatry/ neurology combined	Postdocs and NFRs only	713	Psychiatry
61.0125	Reproductive endocrinology and infertility/ medical genetics and genomics combined	Postdocs and NFRs only	708	Obstetrics and gynecology
61.0199	Combined medical, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0204	Critical care medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0212	Geriatric medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0214	Surgery of the hand	Postdocs and NFRs only	716	Surgery
61.0215	Health policy (medical/ clinical)	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0216	Hospice and palliative medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0218	Integrative medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0219	Medical education	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.022	Medical toxicology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0222	Neuromuscular medicine	Postdocs and NFRs only	707	Neurology
61.0224	Pain medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0225	Simulation	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0226	Sleep medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0228	Sports medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0229	Telemedicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.023	Undersea and hyperbaric medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0232	Wilderness medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0234	Women's health	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.0299	Multiple-pathway medical, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0301	Allergy and immunology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0399	Allergy and immunology, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0401	Anesthesiology	Postdocs and NFRs only	701	Anesthesiology
61.0499	Anesthesiology, other	Postdocs and NFRs only	701	Anesthesiology
61.0501	Dermatology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0502	Dermatopathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0504	Pediatric dermatology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0599	Dermatology, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0601	Emergency medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0602	Disaster medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0603	Emergency medical services	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0699	Emergency medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0701	Family medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0799	Family medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0801	Internal medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0804	Cardiovascular disease	Postdocs and NFRs only	702	Cardiology and cardiovascular disease
61.0805	Clinical cardiac electrophysiology	Postdocs and NFRs only	702	Cardiology and cardiovascular disease
61.0806	Endocrinology, diabetes and metabolism	Postdocs and NFRs only	704	Endocrinology, diabetes, and metabolism
61.0807	Gastroenterology	Postdocs and NFRs only	705	Gastroenterology
61.0808	Hematology	Postdocs and NFRs only	706	Hematology
61.0809	Hematology-oncology	Postdocs and NFRs only	703	Oncology and cancer research
61.081	Infectious disease	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0811	Interventional cardiology	Postdocs and NFRs only	702	Cardiology and cardiovascular disease
61.0812	Nephrology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0813	Medical oncology	Postdocs and NFRs only	703	Oncology and cancer research
61.0814	Pulmonary disease	Postdocs and NFRs only	714	Pulmonary disease
61.0816	Rheumatology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.0818	Transplant hepatology	Postdocs and NFRs only	705	Gastroenterology
61.0899	Internal medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0901	Clinical biochemical genetics	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0902	Clinical genetics	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0903	Clinical molecular genetics	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0904	Medical biochemical genetics	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.0999	Medical genetics and genomics, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1001	Neurological surgery	Postdocs and NFRs only	707	Neurology
61.1099	Neurological surgery, other	Postdocs and NFRs only	707	Neurology
61.1101	Neurology	Postdocs and NFRs only	707	Neurology
61.1102	Child neurology	Postdocs and NFRs only	707	Neurology
61.1103	Clinical neurophysiology	Postdocs and NFRs only	707	Neurology
61.1104	Epilepsy	Postdocs and NFRs only	707	Neurology
61.1105	Headache medicine	Postdocs and NFRs only	707	Neurology
61.1106	Neurodevelopmental disabilities	Postdocs and NFRs only	707	Neurology
61.1107	Vascular neurology	Postdocs and NFRs only	707	Neurology
61.1199	Neurology, other	Postdocs and NFRs only	707	Neurology
61.1201	Nuclear medicine	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.1299	Nuclear medicine, other	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.1301	Obstetrics and gynecology	Postdocs and NFRs only	708	Obstetrics and gynecology
61.1303	Gynecologic oncology	Postdocs and NFRs only	708	Obstetrics and gynecology
61.1304	Maternal and fetal medicine	Postdocs and NFRs only	708	Obstetrics and gynecology
61.1305	Reproductive endocrinology/ infertility	Postdocs and NFRs only	708	Obstetrics and gynecology
61.1399	Obstetrics and gynecology, other	Postdocs and NFRs only	708	Obstetrics and gynecology
61.1401	Ophthalmology	Postdocs and NFRs only	709	Ophthalmology
61.1499	Ophthalmology, other	Postdocs and NFRs only	709	Ophthalmology
61.1501	Orthopedic surgery	Postdocs and NFRs only	716	Surgery
61.1504	Musculoskeletal oncology	Postdocs and NFRs only	716	Surgery

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.1505	Orthopedic sports medicine	Postdocs and NFRs only	716	Surgery
61.1506	Orthopedic surgery of the spine	Postdocs and NFRs only	716	Surgery
61.1507	Pediatric orthopedics	Postdocs and NFRs only	716	Surgery
61.1599	Orthopedic surgery, other	Postdocs and NFRs only	716	Surgery
61.1601	Osteopathic neuromusculoskeletal medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1699	Osteopathic medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1701	Otolaryngology	Postdocs and NFRs only	710	Otorhinolaryngology
61.1702	Neurotology	Postdocs and NFRs only	710	Otorhinolaryngology
61.1703	Pediatric otolaryngology	Postdocs and NFRs only	710	Otorhinolaryngology
61.1799	Otolaryngology, other	Postdocs and NFRs only	710	Otorhinolaryngology
61.1801	Pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1804	Blood banking/ transfusion medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1805	Chemical pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1806	Cytopathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1807	Forensic pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1808	Hematological pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1809	Immunopathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.181	Laboratory medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1811	Medical microbiology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1812	Molecular genetic pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1813	Neuropathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1814	Pediatric pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1815	Radioisotopic pathology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1899	Pathology, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.1901	Pediatrics	Postdocs and NFRs only	711	Pediatrics
61.1902	Adolescent medicine	Postdocs and NFRs only	711	Pediatrics
61.1903	Child abuse pediatrics	Postdocs and NFRs only	711	Pediatrics
61.1904	Developmental-behavioral pediatrics	Postdocs and NFRs only	711	Pediatrics

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.1905	Neonatal-perinatal medicine	Postdocs and NFRs only	711	Pediatrics
61.1906	Pediatric cardiology	Postdocs and NFRs only	711	Pediatrics
61.1907	Pediatric critical care medicine	Postdocs and NFRs only	711	Pediatrics
61.1908	Pediatric emergency medicine	Postdocs and NFRs only	711	Pediatrics
61.1909	Pediatric endocrinology	Postdocs and NFRs only	711	Pediatrics
61.191	Pediatric gastroenterology	Postdocs and NFRs only	711	Pediatrics
61.1911	Pediatric hematology-oncology	Postdocs and NFRs only	711	Pediatrics
61.1912	Pediatric infectious diseases	Postdocs and NFRs only	711	Pediatrics
61.1913	Pediatric nephrology	Postdocs and NFRs only	711	Pediatrics
61.1914	Pediatric pulmonology	Postdocs and NFRs only	711	Pediatrics
61.1915	Pediatric rheumatology	Postdocs and NFRs only	711	Pediatrics
61.1917	Pediatric transplant hepatology	Postdocs and NFRs only	711	Pediatrics
61.1999	Pediatrics, other	Postdocs and NFRs only	711	Pediatrics
61.2001	Physical medicine and rehabilitation	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2002	Spinal cord injury medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2003	Pediatric rehabilitation medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2099	Physical medicine and rehabilitation, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2101	Plastic surgery	Postdocs and NFRs only	716	Surgery
61.2103	Plastic surgery within the head and neck	Postdocs and NFRs only	716	Surgery
61.2199	Plastic surgery, other	Postdocs and NFRs only	716	Surgery
61.2201	Podiatric medicine and surgery	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2299	Podiatric medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2301	Public health and general preventive medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2302	Aerospace medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2303	Occupational medicine	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2399	Preventive medicine, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2401	Psychiatry	Postdocs and NFRs only	713	Psychiatry
61.2402	Addiction psychiatry	Postdocs and NFRs only	713	Psychiatry

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.2403	Child and adolescent psychiatry	Postdocs and NFRs only	713	Psychiatry
61.2404	Psychosomatic medicine	Postdocs and NFRs only	713	Psychiatry
61.2405	Forensic psychiatry	Postdocs and NFRs only	713	Psychiatry
61.2406	Geriatric psychiatry	Postdocs and NFRs only	713	Psychiatry
61.2499	Psychiatry, other	Postdocs and NFRs only	713	Psychiatry
61.2501	Radiation oncology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2599	Radiation oncology, other	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2601	Diagnostic radiology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2604	Diagnostic radiologic physics	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2605	Medical nuclear physics	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2607	Neuroradiology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2608	Nuclear radiology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2609	Pediatric radiology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.261	Radiologic physics	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2611	Therapeutic radiologic physics	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2612	Vascular and interventional radiology	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2699	Radiology, other	Postdocs and NFRs only	715	Radiological sciences and nuclear medicine
61.2701	General surgery	Postdocs and NFRs only	716	Surgery
61.2702	Colon and rectal surgery	Postdocs and NFRs only	716	Surgery
61.2703	Complex general surgical oncology	Postdocs and NFRs only	716	Surgery
61.2704	Congenital cardiac surgery	Postdocs and NFRs only	716	Surgery
61.2705	Pediatric surgery	Postdocs and NFRs only	716	Surgery
61.2706	Surgical critical care	Postdocs and NFRs only	716	Surgery
61.2707	Thoracic surgery	Postdocs and NFRs only	716	Surgery
61.2709	Vascular surgery	Postdocs and NFRs only	716	Surgery
61.2799	Surgery, other	Postdocs and NFRs only	716	Surgery
61.2801	Urology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.2802	Pediatric urology	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified

Table A-5. Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes

(Crosswalk)

CIP code	CIP program title	Degree exclusions	GSS code	GSS field name
61.2899	Urology, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified
61.9999	Medical, other	Postdocs and NFRs only	717	Clinical medicine, not elsewhere classified

AuD = Doctor of Audiology; CIP = Classification of Instructional Programs; CIS = computer and information science; DArch = Doctor of Architecture; DCS = Doctor of Computer Science; DDS = Doctor of Dental Surgery; DED = Doctor of Education; DN = Doctor of Naprapathy; DNP = Doctor of Nursing Practice; DO = Doctor of Osteopathic Medicine; DPM = Doctor of Podiatric Medicine; DPT = Doctor of Physical Therapy; DScPT = Doctor of Science in Physical Therapy; DVM = Doctor of Veterinary Medicine; GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering; JD = Juris Doctor; MArch = Master of Architecture; MBA = Master of Business Administration; MD = Doctor of Medicine; MHSA = Master of Health Services Administration; MLA = Master of Landscape Architecture; ND = Doctor of Naturopathic Medicine; NFR = nonfaculty researcher; OD = Doctor of Optometry; OTD = Doctor of Occupational Therapy; PharmD = Doctor of Pharmacy; PsyD = Doctor of Psychology; SLPD = Doctor of Speech-Language Pathology.

Note(s):

Certificate programs or units are not included if they only award professional degrees, such as AuD, DArch, DCS, DDS, DED, DN, DNP, DO, DPM, DPT, DScPT, DVM, JD, MArch, MD, MLA, ND, OD, OTD, PharmD, PsyD, or SLPD, which are considered the standard degree exclusions. CIP codes in the 60 and 61 series are designated for medical residency programs. For the GSS, these CIP medical residency program titles have been modified to allow reporting of eligible postdoctoral appointees (postdocs) and other doctorate-holding NFRs in these medical fields.

Source(s):

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

Table A-6. Mapping of 2024 GSS codes and fields

(Crosswalk)

Broad field	GSS code (collected)	Detailed field (collected)	GSS code (reported)	GSS field name (in data and tables)	Exclusions
Agricultural and veterinary sciences	501	Agricultural sciences	501	Agricultural sciences	Standard
	502	Veterinary biomedical and clinical sciences	502	Veterinary biomedical and clinical sciences	DVM
Biological and biomedical sciences	602	Biochemistry	602	Biochemistry	Standard
	603	Biology	603	Biology	Standard
	623	Biomedical sciences	623	Biomedical sciences	Standard
	605	Biophysics	605	Biophysics	Standard
	618	Biostatistics and bioinformatics	618	Biostatistics and bioinformatics	Standard
	606	Botany and plant biology	606	Botany and plant biology	Standard
	624	Biotechnology	624	Biotechnology	Standard
	619	Cell, cellular biology, and anatomical sciences	619	Cell, cellular biology, and anatomical sciences	Standard
	620	Ecology and population biology	620	Ecology and population biology	Standard
	621	Epidemiology	621	Epidemiology	Standard
	610	Genetics	610	Genetics	Standard
	611	Microbiological sciences and immunology	611	Microbiological sciences and immunology	Standard
	622	Molecular biology	622	Molecular biology	Standard
	950	Neurobiology and neuroscience	626	Neurobiology and neuroscience	Standard
	612	Nutrition science	612	Nutrition science	Standard
	613	Pathology and experimental pathology	613	Pathology and experimental pathology	Standard
	614	Pharmacology and toxicology	614	Pharmacology and toxicology	Standard
	615	Physiology	615	Physiology	Standard
	616	Zoology and animal biology	616	Zoology and animal biology	Standard
	617	Biological and biomedical sciences nec	617	Biological and biomedical sciences nec	Standard
Computer and information sciences	416	Artificial intelligence, informatics and computer and information science topics	416	Artificial intelligence, informatics and computer and information science topics	Exclude DCS
	411	Computer and information science	411	Computer and information science	Exclude DCS
	413	Computer and information systems security	413	Computer and information systems security	Exclude DCS
	410	Computer science	410	Computer science	Exclude DCS
	415	Information science and studies	415	Information science and studies	Exclude DCS
	414	Information technology	414	Information technology	Exclude DCS
	412	Computer and information science nec	412	Computer and information science nec	Exclude DCS
Geosciences, atmospheric, and ocean sciences	301	Atmospheric sciences and meteorology	301	Atmospheric sciences and meteorology	Standard
	302	Geological and earth sciences	302	Geological and earth sciences	Standard
	303	Ocean and marine sciences	303	Ocean and marine sciences	Standard
	304	Geosciences, atmospheric, and ocean sciences	304	Geosciences, atmospheric, and ocean sciences	Postdocs and NFRs only
Mathematics and statistics	404	Applied mathematics	404	Applied mathematics	Standard
	405	Mathematics	405	Mathematics	Standard
	403	Statistics	403	Statistics	Standard
Multidisciplinary and interdisciplinary sciences	982	Biological and physical sciences	982	Biological and physical sciences	Standard
	981	Computational science	981	Computational science	Standard
	984	Data science and data analytics	984	Data science and data analytics	Standard
	983	International and global studies	983	International and global studies	Standard
	980	Multidisciplinary and interdisciplinary sciences nec	980	Multidisciplinary and interdisciplinary sciences nec	Standard

Table A-6. Mapping of 2024 GSS codes and fields

(Crosswalk)

Broad field	GSS code (collected)	Detailed field (collected)	GSS code (reported)	GSS field name (in data and tables)	Exclusions
Natural resources and conservation	510	Environmental science and studies	510	Environmental science and studies	Standard
	511	Forestry, natural resources and conservation	511	Forestry, natural resources and conservation	Standard
Physical sciences	201	Astronomy and astrophysics	201	Astronomy and astrophysics	Standard
	202	Chemistry	202	Chemistry	Standard
	205	Materials sciences	205	Materials sciences	Standard
	203	Physics	203	Physics	Standard
	204	Physical sciences nec	204	Physical sciences nec	Standard
Psychology	804	Applied psychology	804	Applied psychology	Standard
	803	Clinical psychology	803	Clinical psychology	Standard
	806	Counseling psychology	806	Counseling psychology	Standard
	915	Human development	815	Human development	Standard
	801	Psychology, general	801	Psychology, general	Standard
	805	Research and experimental psychology	805	Research and experimental psychology	Standard
Social sciences	901	Agricultural and natural resource economics	901	Agricultural and natural resource economics	Standard
	902	Anthropology	902	Anthropology	Standard
	916	Area, ethnic, cultural, gender, and group studies	916	Area, ethnic, cultural, gender, and group studies	Standard
	911	Criminal justice and safety studies	911	Criminal justice and safety studies	Standard
	917	Criminology	917	Criminology	Standard
	903	Economics (except agricultural and natural resource)	903	Economics (except agricultural and natural resource)	Standard
	904	Geography and cartography	904	Geography and cartography	Standard
	912	International relations and national security studies	912	International relations and national security studies	Standard
	906	Linguistics	906	Linguistics	Standard
	907	Political science and government	907	Political science and government	Standard
	914	Public policy analysis	914	Public policy analysis	Standard
	908	Sociology and population studies	908	Sociology and population studies	Standard
	918	Urban studies and affairs	918	Urban studies and affairs	Standard
	910	Social sciences nec	919	Social sciences, other	Standard
	905	History and philosophy of science and technology	919	Social sciences, other	Standard
	Aerospace, aeronautical, and astronautical engineering	101	Aerospace, aeronautical, and astronautical engineering	101	Aerospace, aeronautical, and astronautical engineering
Biological, biomedical, and biosystems engineering	103	Bioengineering and biomedical engineering	120	Biological, biomedical, and biosystems engineering	Standard
	115	Biological and biosystems engineering	120	Biological, biomedical, and biosystems engineering	Standard
Chemical, petroleum, and chemical-related engineering	104	Chemical engineering	104	Chemical engineering	Standard
	113	Petroleum engineering	113	Petroleum engineering	Standard
Civil, environmental, transportation and related engineering fields	105	Civil engineering	105	Civil engineering	Standard
	117	Architectural, environmental, construction and surveying engineering	117	Architectural, environmental, construction and surveying engineering	Standard
Electrical, electronics, communications and computer engineering	118	Computer engineering	118	Computer engineering	Standard
	106	Electrical, electronics, and communications engineering	106	Electrical, electronics, and communications engineering	Standard
Industrial, manufacturing, systems engineering and operations research	108	Industrial and manufacturing engineering	108	Industrial and manufacturing engineering	Standard

Table A-6. Mapping of 2024 GSS codes and fields

(Crosswalk)

Broad field	GSS code (collected)	Detailed field (collected)	GSS code (reported)	GSS field name (in data and tables)	Exclusions
	119	Systems engineering and operations research	119	Systems engineering and operations research	Standard
Mechanical engineering	109	Mechanical engineering	109	Mechanical engineering	Standard
Metallurgical, mining, materials and related engineering fields	110	Metallurgical and materials engineering	121	Metallurgical, mining, materials and related engineering fields	Standard
	111	Mining engineering	121	Metallurgical, mining, materials and related engineering fields	Standard
Engineering, other	102	Agricultural engineering	102	Agricultural engineering	Standard
	107	Engineering mechanics, physics, and science	107	Engineering mechanics, physics, and science	Standard
	112	Nuclear engineering	112	Nuclear engineering	Standard
	114	Engineering nec	122	Engineering, other	Standard
	116	Nanotechnology	122	Engineering, other	Standard
Clinical medicine	701	Anesthesiology	701	Anesthesiology	Postdocs and NFRs only
	702	Cardiology and cardiovascular disease	702	Cardiology and cardiovascular disease	Postdocs and NFRs only
	704	Endocrinology, diabetes, and metabolism	704	Endocrinology, diabetes, and metabolism	Postdocs and NFRs only
	705	Gastroenterology	705	Gastroenterology	Postdocs and NFRs only
	706	Hematology	706	Hematology	Postdocs and NFRs only
	725	Clinical and medical laboratory science	729	Medical clinical sciences and clinical and medical laboratory sciences	Standard
	730	Medical clinical sciences	729	Medical clinical sciences and clinical and medical laboratory sciences	Standard
	707	Neurology and neurosurgery	707	Neurology and neurosurgery	Postdocs and NFRs only
	708	Obstetrics and gynecology	708	Obstetrics and gynecology	Postdocs and NFRs only
	703	Oncology and cancer research	703	Oncology and cancer research	Postdocs and NFRs only
	709	Ophthalmology	709	Ophthalmology	Postdocs and NFRs only
	710	Otorhinolaryngology	710	Otorhinolaryngology	Postdocs and NFRs only
	711	Pediatrics	711	Pediatrics	Postdocs and NFRs only
	712	Public health	712	Public health	Standard
	713	Psychiatry	713	Psychiatry	Postdocs and NFRs only

Table A-6. Mapping of 2024 GSS codes and fields

(Crosswalk)

Broad field	GSS code (collected)	Detailed field (collected)	GSS code (reported)	GSS field name (in data and tables)	Exclusions
	714	Pulmonary disease	714	Pulmonary disease	Postdocs and NFRs only
	715	Radiological sciences	715	Radiological sciences	Postdocs and NFRs only
	716	Surgery	716	Surgery	Postdocs and NFRs only
	717	Clinical medicine nec	717	Clinical medicine nec	Postdocs and NFRs only
	723	Communication disorders sciences	723	Communication disorders sciences	Exclude AuD
	718	Dental sciences	718	Dental sciences	Exclude DDS
	724	Kinesiology and exercise science	724	Kinesiology and exercise science	Exclude DPT, DScPT, and OTD
	719	Nursing science	719	Nursing science	PhD, postdocs, and NFRs only
	720	Pharmaceutical sciences	720	Pharmaceutical sciences	Exclude PharmD
Other health	722	Other health nec	722	Health-related nec	Exclude DPT, DScPT and OTD

nec = not elsewhere classified.

AuD = Doctor of Audiology; DArch = Doctor of Architecture; DCS = Doctor of Computer Science; DDS = Doctor of Dental Surgery; DED = Doctor of Education; DN = Doctor of Naprapathy; DNP = Doctor of Nursing Practice; DO = Doctor of Osteopathic Medicine; DPM = Doctor of Podiatric Medicine; DPT = Doctor of Physical Therapy; DScPT = Doctor of Science in Physical Therapy; DVM = Doctor of Veterinary Medicine; GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering; JD = Juris Doctor; MArch = Master of Architecture; MD = Doctor of Medicine; MLA = Master of Landscape Architecture; ND = Doctor of Naturopathic Medicine; NFR = nonfaculty researcher; OD = Doctor of Optometry; OTD = Doctor of Occupational Therapy; PharmD = Doctor of Pharmacy; PhD = Doctor of Philosophy; PsyD = Doctor of Psychology; SLPD = Doctor of Speech-Language Pathology.

Note(s):

Certificate programs or units are not included if they only award professional degrees, such as AuD, DArch, DCS, DDS, DED, DN, DNP, DO, DPM, DPT, DScPT, DVM, JD, MArch, MD, MLA, ND, OD, OTD, PharmD, PsyD, or SLPD, which are considered the standard degree exclusions. For the GSS, medical research fields may be used for reporting of eligible postdoctoral appointees (postdocs) and other doctorate-holding NFRs only.

Source(s):

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

Table A-7. Unit-level variable imputation rates, by data type: 2024

(Count and imputation rate)

Data type	Number of items	Minimum item imputation rate	Median item imputation rate	Maximum item imputation rate
All data items	543	1.7	4.2	7.3
Master's students	188	1.8	6.1	6.6
Part time	30	1.8	2.3	2.5
Full time	158	1.8	6.2	6.6
Demographics	60	1.8	2.3	2.9
Source and mechanism of support	98	1.8	6.4	6.6
Doctoral students	188	1.7	4.1	4.8
Part time	30	1.7	1.9	1.9
Full time	158	1.7	4.1	4.8
Demographics	60	1.7	2.0	3.0
Source and mechanism of support	98	1.7	4.1	4.8
Postdoctoral appointee	152	3.9	5.2	5.6
Demographics	65	3.9	4.5	5.5
Source and mechanism of support	87	3.9	5.2	5.6
Doctorate-holding nonfaculty researchers	15	6.2	7.0	7.3

Note(s): The unit-level item imputation rate is a measure of the units with missing data for each data type collected on the Survey of Graduate Students and Postdoctorates in Science and Engineering. This is different from the percentage imputed presented in [table A-8](#), [table A-9](#), and [table A-10](#).

Source(s):

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

Table A-8. Imputation for nonresponse within graduate student totals, by field and demographic characteristics, mechanism and source of support, and type of graduate degree: 2024

(Number and percent)

Characteristic	Total in survey				Number imputed				Percentage imputed			
	Master's students		Doctoral students		Master's students		Doctoral students		Master's students		Doctoral students	
	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time
All graduate students	322,037	183,893	274,601	37,547	5,812	3,333	1,664	617	1.8	1.8	0.6	1.6
Science	217,779	129,690	194,145	22,753	4,160	2,478	1,362	506	1.9	1.9	0.7	2.2
Agricultural and veterinary sciences	4,425	2,548	4,359	685	41	31	15	28	0.9	1.2	0.3	4.1
Biological and biomedical sciences	31,105	15,556	58,675	3,682	766	507	470	38	2.5	3.3	0.8	1.0
Computer and information sciences	83,229	54,129	20,604	3,406	1,299	549	346	232	1.6	1.0	1.7	6.8
Geosciences, atmospheric, and ocean sciences	3,469	1,440	6,266	591	56	27	6	15	1.6	1.9	0.1	2.5
Mathematics and statistics	14,052	5,896	12,935	1,096	165	133	6	3	1.2	2.3	*	0.3
Multidisciplinary and interdisciplinary sciences	16,502	9,924	4,362	853	139	67	0	0	0.8	0.7	0.0	0.0
Natural resources and conservation	5,558	3,592	3,461	721	66	28	99	6	1.2	0.8	2.9	0.8
Physical sciences	3,644	2,364	37,071	2,258	159	54	72	33	4.4	2.3	0.2	1.5
Psychology	29,458	20,058	18,553	4,855	1,060	722	339	132	3.6	3.6	1.8	2.7
Social sciences	26,337	14,183	27,859	4,606	409	360	9	19	1.6	2.5	*	0.4
Engineering	63,860	35,711	67,740	8,701	655	352	176	33	1.0	1.0	0.3	0.4
Aerospace, aeronautical, and astronautical engineering	2,993	2,570	2,668	364	81	24	19	7	2.7	0.9	0.7	1.9
Biological, biomedical, and biosystems engineering	4,293	1,182	9,649	681	13	4	47	0	0.3	0.3	0.5	0.0
Chemical, petroleum, and chemical-related engineering	1,838	826	7,565	370	16	2	0	0	0.9	0.2	0.0	0.0
Civil, environmental, transportation and related engineering fields	7,336	4,024	6,971	928	84	46	0	0	1.1	1.1	0.0	0.0
Electrical, electronics, communications and computer engineering	21,690	9,151	15,553	2,221	224	110	59	15	1.0	1.2	0.4	0.7
Industrial, manufacturing, systems engineering and operations research	6,093	5,611	3,175	871	91	65	20	6	1.5	1.2	0.6	0.7
Mechanical engineering	9,748	5,388	10,695	1,163	66	45	0	0	0.7	0.8	0.0	0.0
Metallurgical, mining, materials and related engineering fields	1,552	951	4,501	357	3	2	0	0	0.2	0.2	0.0	0.0
Other engineering	8,317	6,008	6,963	1,746	77	54	31	5	0.9	0.9	0.4	0.3
Health	40,398	18,492	12,716	6,093	997	503	126	78	2.5	2.7	1.0	1.3
Clinical medicine	15,867	10,778	3,808	2,591	517	351	109	46	3.3	3.3	2.9	1.8
Other health	24,531	7,714	8,908	3,502	480	152	17	32	2.0	2.0	0.2	0.9
Sex												
Male	159,202	97,465	146,911	18,789	11,459	8,727	10,514	596	7.2	9.0	7.2	3.2
Female	162,835	86,428	127,690	18,758	13,016	9,354	9,606	848	8.0	10.8	7.5	4.5
U.S. citizens and permanent residents ^a												
Hispanic or Latino	28,882	22,960	19,911	3,153	1,042	748	519	67	3.6	3.3	2.6	2.1
Not Hispanic or Latino												
American Indian or Alaska Native	662	541	554	186	35	27	20	12	5.3	5.0	3.6	6.5
Asian	23,883	21,440	19,938	2,570	473	345	294	55	2.0	1.6	1.5	2.1
Black or African American	17,189	16,049	10,708	3,743	1,234	937	391	156	7.2	5.8	3.7	4.2
Native Hawaiian or Other Pacific Islander	235	284	160	45	6	7	7	5	2.6	2.5	4.4	11.1
White	84,954	75,188	86,814	16,367	2,480	1,984	1,414	308	2.9	2.6	1.6	1.9

Table A-8. Imputation for nonresponse within graduate student totals, by field and demographic characteristics, mechanism and source of support, and type of graduate degree: 2024

(Number and percent)

Characteristic	Total in survey				Number imputed				Percentage imputed			
	Master's students		Doctoral students		Master's students		Doctoral students		Master's students		Doctoral students	
	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time
More than one race	7,369	5,419	7,154	961	196	115	122	29	2.7	2.1	1.7	3.0
Unknown ethnicity and race	8,008	9,152	7,183	1,847	485	431	260	71	6.1	4.7	3.6	3.8
Temporary visa holders	150,855	32,860	122,179	8,675	7,016	2,334	2,312	122	4.7	7.1	1.9	1.4
All full-time students	322,037	na	274,601	na	5,812	na	1,664	na	1.8	na	0.6	na
Mechanism of support												
Fellowships	9,494	na	41,065	na	1,055	na	2,705	na	11.1	na	6.6	na
Research assistantships	22,510	na	114,072	na	2,123	na	6,574	na	9.4	na	5.8	na
Teaching assistantships	22,115	na	64,466	na	2,633	na	5,471	na	11.9	na	8.5	na
Traineeships	2,438	na	9,675	na	178	na	687	na	7.3	na	7.1	na
Other types of support	265,480	na	45,323	na	33,227	na	4,893	na	12.5	na	10.8	na
Source of support												
Federal												
DOD	3,207	na	6,532	na	552	na	413	na	17.2	na	6.3	na
DOE	596	na	5,320	na	38	na	211	na	6.4	na	4.0	na
HHS												
NIH	1,012	na	22,824	na	103	na	1,195	na	10.2	na	5.2	na
Other	582	na	2,269	na	54	na	101	na	9.3	na	4.5	na
NASA	319	na	1,719	na	18	na	105	na	5.6	na	6.1	na
NSF	2,126	na	19,229	na	207	na	1,161	na	9.7	na	6.0	na
USDA	1,309	na	2,487	na	79	na	62	na	6.0	na	2.5	na
Other federal	6,875	na	7,556	na	844	na	565	na	12.3	na	7.5	na
Domestic	6,013	na	15,406	na	684	na	842	na	11.4	na	5.5	na
Foreign	1,010	na	2,366	na	178	na	134	na	17.6	na	5.7	na
Institutional	77,974	na	164,812	na	9,987	na	11,923	na	12.8	na	7.2	na
Self-support	221,014	na	24,081	na	26,961	na	2,894	na	12.2	na	12.0	na

* = value < 0.05%; na = not applicable.

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 Ethnicity and race data are available only for U.S. citizens and permanent residents.**Note(s):**

The percentage imputed calculated is the number imputed divided by total in survey multiplied by 100. This is a different measure than the unit imputation rate presented in [table A-7](#). Clinical medicine includes graduate students in public health and in medical clinical sciences and clinical and medical laboratory sciences. Graduate student data in this table include master's students in health sciences. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) fields and codes, see [table A-6](#). 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.

Table A-9. Imputation for nonresponse in totals for postdoctoral appointees, by field, demographics, and mechanism and source of support: 2024

(Number and percent)

Characteristic	Total in survey	Number imputed	Percentage imputed
All postdoctoral appointees	69,877	1,868	2.7
Science	39,702	780	2.0
Agricultural and veterinary sciences	2,177	17	0.8
Biological and biomedical sciences	20,234	638	3.2
Computer and information sciences	1,042	10	1.0
Geosciences, atmospheric, and ocean sciences	2,043	15	0.7
Mathematics and statistics	1,238	3	0.2
Multidisciplinary and interdisciplinary sciences	1,061	17	1.6
Natural resources and conservation	969	9	0.9
Physical sciences	7,570	39	0.5
Psychology	1,392	21	1.5
Social sciences	1,976	11	0.6
Engineering	9,545	152	1.6
Aerospace, aeronautical, and astronautical engineering	246	0	0.0
Biological, biomedical, and biosystems engineering	1,685	65	3.9
Chemical, petroleum, and chemical-related engineering	1,552	8	0.5
Civil, environmental, transportation and related engineering fields	1,166	18	1.5
Electrical, electronics, communications and computer engineering	1,381	10	0.7
Industrial, manufacturing, systems engineering and operations research	162	4	2.5
Mechanical engineering	1,459	20	1.4
Metallurgical, mining, materials and related engineering fields	588	4	0.7
Other engineering	1,306	23	1.8
Health	20,630	936	4.5
Clinical medicine ^a	17,919	840	4.7
Other health	2,711	96	3.5
Sex			
Male	39,230	2,343	6.0
Female	30,647	1,912	6.2
U.S. citizens and permanent residents ^b			
Hispanic or Latino	2,599	134	5.2
Not Hispanic or Latino			
American Indian or Alaska Native	123	15	12.2
Asian	5,793	350	6.0
Black or African American	1,389	134	9.6
Native Hawaiian or Other Pacific Islander	38	1	2.6
White	14,662	624	4.3
More than one race	847	33	3.9
Unknown ethnicity and race	3,680	88	2.4
Temporary visa holders	40,746	2,732	6.7
Mechanism of support			
Fellowships	6,690	680	10.2
Research grant	42,520	2,785	6.5
Traineeships	3,029	162	5.3
Other types of support	17,638	1,511	8.6
Source of support			
Federal	33,582	1,937	5.8
DOD	2,452	153	6.2
DOE	2,245	88	3.9
HHS			
NIH	19,413	1,044	5.4
Other	1,037	35	3.4
NASA	701	28	4.0

Table A-9. Imputation for nonresponse in totals for postdoctoral appointees, by field, demographics, and mechanism and source of support: 2024

(Number and percent)

Characteristic	Total in survey	Number imputed	Percentage imputed
NSF	3,913	325	8.3
USDA	1,166	78	6.7
Other federal	2,655	186	7.0
Domestic	9,989	565	5.7
Foreign	1,150	217	18.9
Institutional	17,603	1,251	7.1
Self-support	1,104	60	5.4
Unknown	6,449	366	5.7
Location of doctorate			
United States	24,512	1,333	5.4
Foreign country	21,647	1,387	6.4
Unknown origin	23,718	1,317	5.6

DOD = Department of Defense; DOE = Department of Energy; GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering; 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 postdoctoral appointees in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.

^b Ethnicity and race data are available only for U.S. citizens and permanent residents.

Note(s):

The percentage imputed calculated is the number imputed divided by total in survey multiplied by 100. This is a different measure than the unit imputation rate presented in [table A-7](#). For postdoctoral appointees "field" refers to the field of the unit that reports information on these groups to the GSS. Sum of the broad fields may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see [table A-6](#).

Source(s):

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

Table A-10. Imputation for nonresponse in totals for doctorate-holding nonfaculty researchers, by field and sex: 2024

(Number and percent)

Field and sex	Total in survey	Number imputed	Percentage imputed
All doctorate-holding nonfaculty researchers	35,142	765	2.2
Science	20,566	443	2.2
Agricultural and veterinary sciences	1,234	3	0.2
Biological and biomedical sciences	8,795	219	2.5
Computer and information sciences	653	20	3.1
Geosciences, atmospheric, and ocean sciences	2,253	25	1.1
Mathematics and statistics	199	7	3.5
Multidisciplinary and interdisciplinary sciences	890	3	0.3
Natural resources and conservation	649	2	0.3
Physical sciences	3,093	116	3.8
Psychology	892	12	1.3
Social sciences	1,908	36	1.9
Engineering	4,436	146	3.3
Aerospace, aeronautical, and astronautical engineering	167	0	0.0
Biological, biomedical, and biosystems engineering	680	39	5.7
Chemical, petroleum, and chemical-related engineering	363	11	3.0
Civil, environmental, transportation and related engineering fields	583	43	7.4
Electrical, electronics, communications and computer engineering	698	15	2.1
Industrial, manufacturing, systems engineering and operations research	164	2	1.2
Mechanical engineering	566	15	2.7
Metallurgical, mining, materials and related engineering fields	260	4	1.5
Other engineering	955	17	1.8
Health	10,140	176	1.7
Clinical medicine ^a	8,618	156	1.8
Other health	1,522	20	1.3
Sex			
Male	19,523	1,588	8.1
Female	15,619	1,229	7.9

^a Clinical medicine includes nonfaculty researchers in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.

Note(s):

The percentage imputed calculated is the number imputed divided by total in survey multiplied by 100. This is a different measure than the unit imputation rate presented in [table A-7](#). For doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Sum of the broad fields may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see [table A-6](#).

Source(s):

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

Table A-11. Changes in institution status: 2023–24

(Number and detail)

Institution status
New institutions (3)
Dine C.
Inter American U. Puerto Rico, Barranquitas
Union U.
Newly ineligible institutions (54)
Arcadia U.
Aurora U.
Avila U.
Butler U.
C. of Saint Rose
California U. of Science and Medicine
Calvin U.
Delta State U.
DeSales U.
Drew U.
Evergreen State C.
Fayetteville State U.
Fitchburg State U.
Geisinger Commonwealth School of Medicine
Georgia Southwestern State U.
Gonzaga U.
Indiana Institute of Technology
Inter American U. Puerto Rico, Fajardo
Kentucky State U.
Kutztown U. Pennsylvania
Lindenwood U.
Loras C.
Loyola U., Maryland
Maharishi U. of Management
Metropolitan State U.
Millersville U. Pennsylvania
Milwaukee School of Engineering
Minnesota State U., Moorhead
Mississippi U. for Women
Mississippi Valley State U.
Montana State U., Billings
Niagara U.
Point Loma Nazarene U.
Rivier U.
Saint Mary's U. Minnesota
Slippery Rock U. Pennsylvania
South Carolina State U.
Southern Nazarene U.
Southern Oregon U.
Touro U., Vallejo
Truman State U.
U. Arkansas, Monticello
U. Scranton
U. South Carolina, Aiken
U. Wisconsin-Eau Claire
U. Wisconsin-Platteville
U. of Saint Mary
U.S. Merchant Marine Academy

Table A-11. Changes in institution status: 2023–24

(Number and detail)

Institution status
Vanguard U.
Wagner C.
Wayland Baptist U.
William Carey U.
Williams C.
Winston-Salem State U.
Merged institutions (1)
Eastern Virginia Medical School merged into Old Dominion University

Note(s):

Of the newly ineligible institutions, 53 were identified during the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) eligibility review, with only Slippery Rock University Pennsylvania identified during data collection. For more information on the eligibility review, see *Impact of the 2024 GSS Institutional Eligibility Review on Counts of GSS Master's Students* at <https://nces.nsf.gov/pubs/nsf25346>.

Source(s):

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

Table B-1. GSS data table crosswalk: 2017–23 vs. 2024

(Crosswalk)

2023 table number	2023 title	2024 table number	2024 title or location	Table type
1-1	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1975–2023	1-1	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1975–2024	Data Table
1-2a	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1977–2023	1-6	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 1977–2024	Data Table
1-2b	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science: 1977–2023	5-1	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-2c	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in engineering: 1977–2023	5-2	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in engineering: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-2d	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in health: 1977–2023	5-3	Sex of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in health: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-3a	Citizenship of graduate students and postdoctoral appointees in science, engineering, and health: 1980–2023	1-7	Citizenship of graduate students and postdoctoral appointees in science, engineering, and health: 1980–2024	Data Table
1-3b	Citizenship of graduate students and postdoctoral appointees in science: 1980–2023	5-4	Citizenship of graduate students and postdoctoral appointees in science: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-3c	Citizenship of graduate students and postdoctoral appointees in engineering: 1980–2023	5-5	Citizenship of graduate students and postdoctoral appointees in engineering: 2017–24	Supplemental Table
1-3d	Citizenship of graduate students and postdoctoral appointees in health: 1980–2023	NA	Graduate student data is available in Supplemental Table 6-1; postdoctoral appointee data is available in the public use files and Table Builder.	NA
1-4a	Ethnicity and race of U.S. citizen and permanent resident graduate students in science, engineering, and health: 2000–23	1-8	Ethnicity and race of U.S. citizen and permanent resident graduate students in science, engineering, and health: 2000–24	Data Table
1-4b	Ethnicity and race of U.S. citizen and permanent resident graduate students in science: 2000–23	5-6	Ethnicity and race of U.S. citizen and permanent resident graduate students in science: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-4c	Ethnicity and race of U.S. citizen and permanent resident graduate students in engineering: 2000–23	5-7	Ethnicity and race of U.S. citizen and permanent resident graduate students in engineering: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-4d	Ethnicity and race of U.S. citizen and permanent resident graduate students in health: 2000–23	5-8	Ethnicity and race of U.S. citizen and permanent resident graduate students in health: 2017–24 Years prior to 2017 can be found in the public use files and 2023 or earlier GSS Data Tables publications.	Supplemental Table
1-5a	Enrollment intensity of graduate students in science, engineering, and health, by degree program: 1975–2023	1-9	Enrollment intensity of graduate students in science, engineering, and health, by degree program: 1975–2024	Data Table
1-5b	First-time status among full-time graduate students in science, engineering, and health, by degree level: 1975–2023	1-10	First-time status among full-time graduate students in science, engineering, and health, by degree level: 1975–2024	Data Table
1-6	Primary source of support for full-time graduate students in science, engineering, and health: 1975–2023	1-11	Primary source of support for full-time graduate students in science, engineering, and health: 1975–2024	Data Table
1-7	Detailed primary source of federal support for full-time graduate students in science, engineering, and health: 1975–2023	1-12	Detailed primary source of federal support for full-time graduate students in science, engineering, and health: 1975–2024	Data Table
1-8	Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2023	1-13	Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2024	Data Table
1-9a	Graduate students in science broad fields: 1975–2023	1-14	Graduate students in science broad fields: 1975–2024	Data Table
1-9b	Postdoctoral appointees in science broad fields: 1979–2023	1-15	Postdoctoral appointees in science broad fields: 1979–2024	Data Table
1-9c	Doctorate-holding nonfaculty researchers in science broad fields: 1979–2023	NA	Data can be found in the public use files.	NA
1-10a	Graduate students in engineering broad fields: 1975–2023	5-9	Graduate students in engineering broad fields: 2017–24	Supplemental Table
1-10b	Postdoctoral appointees in engineering broad fields: 1979–2023	5-10	Postdoctoral appointees in engineering broad fields: 2017–24	Supplemental Table
1-10c	Doctorate-holding nonfaculty researchers in engineering broad fields: 1979–2023	NA	Data can be found in the public use files.	NA
1-11a	Master's student enrollment, by detailed fields: 2017–23	1-2	Distribution of master's students across science, engineering, and health fields: 2017–24	Data Table
1-11b	Doctoral student enrollment, by detailed fields: 2017–23	1-3	Distribution of doctoral students across science, engineering, and health fields: 2017–24	Data Table
1-11c	Postdoctoral appointees, by detailed fields: 2017–23	1-4	Distribution of postdoctoral appointees across science, engineering, and health fields: 2017–24	Data Table

Table B-1. GSS data table crosswalk: 2017–23 vs. 2024

(Crosswalk)

2023 table number	2023 title	2024 table number	2024 title or location	Table type
1-11d	Doctorate holding nonfaculty researcher counts, by detailed field, aligned to the 2020 broad fields, 2017–23	1-5	Distribution of doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2017–24	Data Table
2-1	Demographic characteristics of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 2023	2-5	Demographic characteristics of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health: 2024	Data Table
2-2a	Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, by sex: 2023	2-6	Citizenship, ethnicity, and race of graduate students and postdoctoral appointees in science, by sex: 2024 Data on doctorate-holding nonfaculty researchers can be found in the public use files.	Data Table
2-2b	Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in engineering, by sex: 2023			
2-2c	Citizenship, ethnicity, and race of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in health, by sex: 2023			
2-3	Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2023			
2-4	Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2023	2-8	Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2024	Data Table
3-1	Primary source of support for full-time graduate students in science, engineering, and health, by broad field: 2023	2-9	Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2024	Data Table
3-2	Primary source of support for postdoctoral appointees in science, engineering, and health, by broad field: 2023	3-1	Primary source of support for full-time graduate students in science, engineering, and health, by broad field: 2024	Data Table
3-3	Detailed primary source of federal support for full-time graduate students in science, engineering, and health, by broad field: 2023	3-2	Primary source of support for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Data Table
3-4	Detailed primary source of federal support for postdoctoral appointees in science, engineering, and health, by broad field: 2023	3-3	Detailed primary source of federal support for full-time graduate students in science, engineering, and health, by broad field: 2024	Data Table
3-5	Primary mechanism of support for full-time graduate students in science, engineering, and health, by broad field: 2023	3-4	Detailed primary source of federal support for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Data Table
3-6	Primary mechanism of support for postdoctoral appointees in science, engineering, and health, by broad field: 2023	3-5	Primary mechanism of support for full-time graduate students in science, engineering, and health, by broad field: 2024	Data Table
4-1	Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2023	7-1	Primary mechanism of support for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Supplemental Table
4-2	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2023	2-1	Distribution of graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers across science, engineering, and health fields: 2024	Data Table
4-3	Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2023	2-4	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field and sex: 2024	Data Table
4-4a	Citizenship, ethnicity, and race of graduate students, by detailed field: 2023	2-7	Master's and doctoral students within science, engineering, and health fields, by enrollment intensity: 2024	Data Table
4-4b	Citizenship, ethnicity, and race of master's students, by detailed field: 2023	6-1	Citizenship, ethnicity, and race of graduate students in science, engineering, and health, by detailed field: 2024	Supplemental Table
4-4c	Citizenship, ethnicity, and race of doctoral students, by detailed field: 2023	6-2	Citizenship, ethnicity, and race of master's students in science, engineering, and health, by detailed field: 2024	Supplemental Table
4-5	Units and institutions with graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers, by detailed field: 2023	6-3	Citizenship, ethnicity, and race of doctorate students in science, engineering, and health, by detailed field: 2024	Supplemental Table
4-6a to 4-26	[Broad field] master's and doctoral student demographics, enrollment status, and funding: 2023 [Broad field] postdoctoral appointee and doctorate-holding nonfaculty researcher demographics and funding: 2023	8-2	Units and institutions with graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by detailed field: 2024	Supplemental Table
5-1	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2023	NA	Predefined tables for individual fields are no longer produced. All data can be found in the public use files. The NCSSES Table Builder tool can also be used to isolate fields by selected variables in the Supplemental Tables.	NA
5-2	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields at HBCUs: 2023	2-2	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2024	Data Table
5-3	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field and Carnegie classification: 2023	8-1	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health at HBCUs, by sex and broad field: 2024	Supplemental Table
5-4a	Institutional rankings for graduate students: 2023	2-3	Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by Carnegie classification: 2024	Data Table
5-4b	Institutional rankings for master's students: 2023	4-1	Institutional rankings for graduate students: 2024	Data Table
5-4c	Institutional rankings for doctoral students: 2023	4-2	Institutional rankings for master's students: 2024	Data Table
5-5	Institutional rankings for postdoctoral appointees: 2023	4-3	Institutional rankings for doctoral students: 2024	Data Table
5-6	Institutional rankings for doctorate-holding nonfaculty researchers: 2023	4-4	Institutional rankings for postdoctoral appointees: 2024	Data Table
NEW	NA	4-5	Institutional rankings for doctorate-holding nonfaculty researchers: 2024	Data Table
NEW	NA	6-5	Sex of master's and doctoral students in science, engineering, and health, by broad field: 2024	Supplemental Table
NEW	NA	10-1	Enrollment status of master's and doctoral students in science, engineering, and health, by broad field: 2024	Supplemental Table
NEW	NA	6-6	Sex of postdoctoral appointees and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field: 2024	Supplemental Table
NEW	NA	6-4	Citizenship, ethnicity, and race of postdoctoral appointees in science, engineering, and health, by broad field: 2024	Supplemental Table
NEW	NA	9-1	Degree type for postdoctoral appointees and doctorate-holding nonfaculty researchers in science, engineering, and health, by broad field: 2024	Supplemental Table
NEW	NA	9-2	Degree origin for postdoctoral appointees in science, engineering, and health, by broad field: 2024	Supplemental Table
A-1	Changes in the organizational unit listing: 2021–23	NA	NA	NA
A-2	Changes in the institution status: 2022–23	A-11	Changes in institution status: 2023–24	Technical Table

Table B-1. GSS data table crosswalk: 2017–23 vs. 2024

(Crosswalk)

2023 table number	2023 title	2024 table number	2024 title or location	Table type
A-3	Surveyed institutions, schools, organizational units, and graduate enrollment, by type of institution: 1972–2023	A-1	Surveyed institutions, schools, organizational units, and graduate enrollment: 1972–2024	Technical Table
A-4	Science, engineering, and health organizational units with graduate student enrollment, by detailed field: 2021–23	A-2	Science, engineering, and health organizational units, by detailed field: 2024	Technical Table
A-5a	Science, engineering, and health organizational units with doctorate-holding nonfaculty researchers, by detailed field: 2021–23			
A-5b	Science, engineering, and health organizational units with postdoctoral appointees, by detailed field: 2021–23			
A-6	Response rates for science, engineering, and health organizational units: 1975–2023	A-4	Response rates for science, engineering, and health organizational units: 1975–2024	Technical Table
A-7, A-9, A-10	Imputation for nonresponse within graduate student totals, by [variable]	A-8	Imputation for nonresponse within graduate student totals, by field and demographic characteristics, mechanism and source of support, and type of graduate degree: 2024	Technical Table
A-8, A-11 to A-14	Imputation for nonresponse in totals for postdoctoral appointees, by [variable]	A-9	Imputation for nonresponse in totals for postdoctoral appointees, by field, demographics, and mechanism and source of support: 2024	Technical Table
A-8, A-15	Imputation for nonresponse in totals for doctorate-holding nonfaculty researchers by [variable].	A-10	Imputation for nonresponse in totals for doctorate-holding nonfaculty researchers, by field and sex: 2024	Technical Table
A-16	Crosswalk between 2020 Classification of Instructional Programs codes and 2023 GSS codes	A-5	Crosswalk between 2020 Classification of Instructional Programs codes and 2024 GSS codes	Technical Table
A-17	Mapping of 2023 GSS codes and fields	A-6	Mapping of 2024 GSS codes and fields	Technical Table
New	NA	A-3	Response rate and mode of response to the GSS, by data type: 2024	Technical Table
New	NA	B-1	GSS data table crosswalk: 2017–23 vs. 2024	Technical Table
New	NA	A-7	Unit level variable imputation rates, by data type: 2024	Technical Table

NA = not available.

GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering.

Note(s):

The data tables and technical tables provided as part of the GSS 2024 data release were revised, and some content was moved to supplemental tables via the Table Builder data tool. These changes do not reflect a change in the survey or the availability of underlying data; this new configuration presents a streamlined approach to the published figures. The public use files and Table Builder data tool from the National Center for Science and Engineering Statistics contain all of the data necessary to replicate tables that are no longer predefined for publication (<https://ncses.nsf.gov/explore-data/microdata/> and <https://ncesdata.nsf.gov/builder/gss>). Historical data tables are also available in the 2023 and earlier GSS Data Tables publications (<https://nces.nsf.gov/surveys/graduate-students-postdoctorates-s-e/2023>).

Source(s):

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

Acknowledgments and Suggested Citation

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