

TABLE 5-1

**Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2023**

(Number and percent)

Broad field	Graduate students						Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	All graduate students		Master's		Doctoral		Total number	Percent in public institutions	Total number	Percent in public institutions
	Total number	Percent in public institutions	Total number	Percent in public institutions	Total number	Percent in public institutions				
All broad fields	818,095	66.4	510,866	65.0	307,229	68.6	65,850	52.9	34,342	67.0
Science	561,489	65.2	348,520	63.8	212,969	67.6	37,982	56.0	20,600	68.2
Agricultural and veterinary sciences	11,755	94.2	6,901	93.4	4,854	95.5	1,993	90.4	1,238	93.0
Biological and biomedical sciences	105,566	61.4	44,703	57.4	60,863	64.3	19,520	50.0	8,589	57.6
Computer and information sciences	166,014	70.1	143,530	70.5	22,484	67.0	987	53.7	631	81.1
Geosciences, atmospheric, and ocean sciences	11,594	82.3	4,793	88.0	6,801	78.3	1,919	66.5	2,455	82.0
Mathematics and statistics	33,893	65.3	20,105	58.9	13,788	74.6	1,220	59.5	307	70.4
Multidisciplinary and interdisciplinary sciences	26,429	59.8	21,928	57.3	4,501	71.8	988	49.8	818	66.9
Natural resources and conservation	13,490	85.2	9,486	84.0	4,004	88.0	937	83.8	663	94.1
Physical sciences	44,329	72.0	6,000	72.1	38,329	71.9	7,220	58.7	3,095	70.1
Psychology	73,828	50.2	49,474	47.3	24,354	56.2	1,344	56.3	950	72.6
Social sciences	74,591	61.7	41,600	59.1	32,991	64.9	1,854	48.8	1,854	63.2
Engineering	175,559	68.7	100,567	66.2	74,992	72.1	9,051	58.3	4,575	75.6
Aerospace, aeronautical, and astronautical engineering	8,264	75.3	5,380	72.1	2,884	81.3	254	65.7	166	88.0
Biological, biomedical, and biosystems engineering	15,203	58.4	5,204	60.0	9,999	57.6	1,594	41.7	674	52.1
Chemical, petroleum, and chemical-related engineering	10,546	68.9	2,658	66.4	7,888	69.7	1,501	54.2	349	71.9
Civil, environmental, transportation and related engineering fields	19,934	76.3	12,082	74.1	7,852	79.7	1,070	67.5	654	83.5
Electrical, electronics, communications and computer engineering	48,799	64.9	31,093	60.3	17,706	73.1	1,339	61.5	799	77.8
Industrial, manufacturing, systems engineering and operations research	15,762	65.9	11,873	62.1	3,889	77.3	170	63.5	221	51.6
Mechanical engineering	27,014	70.5	15,335	68.9	11,679	72.7	1,317	60.2	560	80.9
Metallurgical, mining, materials and related engineering fields	7,244	77.1	2,462	75.8	4,782	77.8	557	63.6	249	88.4
Other engineering	22,793	71.7	14,480	71.1	8,313	72.7	1,249	66.7	903	83.8
Health	81,047	69.1	61,779	70.1	19,268	66.1	18,817	44.2	9,167	59.9
Clinical medicine <sup>a</sup>	34,658	65.3	28,484	66.0	6,174	61.7	16,393	39.2	7,798	56.4
Other health	46,389	72.0	33,295	73.5	13,094	68.2	2,424	77.9	1,369	80.1

<sup>a</sup> 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 technical table A-17. 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, 2023.