

TABLE 5-1

**Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2020**

(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	697,813	67.0	414,478	64.4	283,335	70.6	65,681	53.7	29,661	64.9
Science	464,646	65.3	267,904	62.3	196,742	69.5	38,741	55.9	18,212	65.4
Agricultural and veterinary sciences	10,800	95.9	6,487	96.5	4,313	95.0	1,678	90.8	964	87.0
Biological and biomedical sciences	94,825	62.5	39,920	59.2	54,905	64.8	21,902	49.0	8,112	55.9
Computer and information sciences	98,864	68.2	80,690	67.7	18,174	70.4	823	53.3	458	72.9
Geosciences, atmospheric sciences, and ocean sciences	11,792	84.4	5,277	91.3	6,515	78.8	1,790	69.1	2,150	83.5
Mathematics and statistics	31,971	68.0	18,284	61.8	13,687	76.2	1,076	66.0	201	75.6
Multidisciplinary and interdisciplinary studies	14,533	60.0	10,980	57.2	3,553	68.8	832	57.0	679	66.7
Natural resources and conservation	12,498	83.5	8,793	81.3	3,705	88.7	845	84.1	573	93.4
Physical sciences	42,616	72.1	6,275	73.4	36,341	71.9	6,937	61.1	2,890	65.4
Psychology	68,394	51.6	47,279	45.2	21,115	65.9	1,312	59.0	749	72.0
Social sciences	78,353	63.5	43,919	61.1	34,434	66.6	1,546	53.6	1,436	58.3
Engineering	157,729	70.7	86,450	68.7	71,279	73.2	8,462	60.9	3,921	74.6
Aerospace, aeronautical, and astronautical engineering	6,971	75.3	4,326	71.9	2,645	80.8	233	68.2	149	82.6
Biological, biomedical, and biosystems engineering	12,775	60.0	4,536	60.8	8,239	59.6	1,696	45.6	525	57.5
Chemical, petroleum, and chemical-related engineering	10,554	70.6	2,942	69.8	7,612	71.0	1,157	59.7	330	66.1
Civil, environmental, transportation and related engineering fields	18,304	78.9	10,819	77.7	7,485	80.6	1,006	66.5	488	81.4
Electrical, electronics, communications and computer engineering	43,032	67.5	25,312	63.6	17,720	73.2	1,302	61.6	706	79.7

TABLE 5-1

**Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2020**

(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				
Industrial, manufacturing, systems engineering and operations research	14,869	63.6	11,030	58.2	3,839	79.1	194	72.7	155	64.5
Mechanical engineering	25,782	70.9	14,305	70.1	11,477	72.0	1,149	60.9	469	77.6
Metallurgical, mining, materials and related engineering fields	7,181	78.4	2,299	77.8	4,882	78.6	630	59.5	299	78.6
Other engineering	18,261	78.4	10,881	80.4	7,380	75.4	1,095	76.7	800	77.8
Health	75,438	69.0	60,124	67.8	15,314	73.6	18,478	45.6	7,528	58.8
Clinical medicine <sup>a</sup>	34,544	62.0	29,748	60.4	4,796	71.9	16,287	40.3	6,500	54.7
Other health	40,894	74.8	30,376	75.0	10,518	74.4	2,191	84.3	1,028	84.8

<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 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):**

"Field" refers to the field of the unit that reports postdoctoral appointees and doctorate-holding nonfaculty researchers 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.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2020.