

TABLE 5-1

Graduate students, postdoctoral appointees, and doctorate-holding nonfaculty researchers in science, engineering, and health broad fields, by institutional control: 2022

(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	798,534	67.1	501,311	65.3	297,223	70.3	62,750	53.3	32,279	68.8
Science	538,166	66.1	331,983	64.0	206,183	69.4	36,673	56.3	19,423	69.3
Agricultural and veterinary sciences	11,596	94.3	6,949	93.7	4,647	95.2	1,705	88.9	1,068	94.1
Biological and biomedical sciences	102,700	62.6	43,062	59.8	59,638	64.6	19,585	49.7	8,207	58.2
Computer and information sciences	150,555	70.4	129,972	70.7	20,583	68.6	859	53.0	507	83.8
Geosciences, atmospheric sciences, and ocean sciences	11,970	82.3	5,186	87.2	6,784	78.6	1,787	71.8	2,448	86.9
Mathematics and statistics	34,387	63.8	20,798	56.6	13,589	74.9	1,110	58.5	251	81.3
Multidisciplinary and interdisciplinary sciences	20,945	61.9	16,931	59.7	4,014	71.2	840	58.1	931	68.1
Natural resources and conservation	13,762	84.5	9,807	82.9	3,955	88.4	936	85.5	605	94.0
Physical sciences	44,092	72.2	6,256	72.0	37,836	72.2	6,877	59.6	2,894	70.3
Psychology	69,442	54.4	48,321	48.4	21,121	68.0	1,308	56.0	786	76.3
Social sciences	78,717	61.5	44,701	58.0	34,016	66.2	1,666	52.2	1,726	63.0
Engineering	176,000	69.7	103,020	67.6	72,980	72.6	8,335	59.9	4,355	76.0
Aerospace, aeronautical, and astronautical engineering	8,095	75.7	5,263	72.9	2,832	80.9	244	68.0	153	79.1
Biological, biomedical, and biosystems engineering	14,442	59.3	5,177	58.3	9,265	59.8	1,540	41.8	685	56.1
Chemical, petroleum, and chemical-related engineering	10,601	68.7	3,011	64.3	7,590	70.4	1,239	58.9	313	78.0
Civil, environmental, transportation and related engineering fields	20,375	76.7	12,621	74.6	7,754	80.2	1,018	71.7	569	81.0
Electrical, electronics, communications and computer engineering	49,901	66.5	32,316	62.5	17,585	73.7	1,217	60.9	734	77.4

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Industrial, manufacturing, systems engineering and operations research	16,435	67.6	12,579	64.5	3,856	77.7	143	57.3	197	53.8
Mechanical engineering	27,552	70.2	16,029	68.7	11,523	72.3	1,189	61.3	527	82.5
Metallurgical, mining, materials and related engineering fields	7,118	77.2	2,545	76.1	4,573	77.8	542	66.4	280	89.6
Other engineering	21,481	74.0	13,479	75.5	8,002	71.5	1,203	67.1	897	82.3
Health	84,368	68.5	66,308	68.0	18,060	70.5	17,742	44.1	8,501	64.0
Clinical medicine ^a	39,217	63.1	33,251	62.3	5,966	67.6	15,630	39.5	7,351	61.1
Other health	45,151	73.2	33,057	73.7	12,094	71.9	2,112	78.2	1,150	82.7

^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 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, 2022.