

Table 2**Master's students, doctoral students, and postdoctoral appointees in science, engineering, and health fields, by broad field: 2017–19**

(Number and percent change)

Broad field	Master's				Doctoral				Postdocs			
	2017	2018	2019	Percent change 2017–19	2017	2018	2019	Percent change 2017–19	2017	2018	2019	Percent change 2017–19
All surveyed fields	378,587	391,211	408,228	7.8	270,525	277,096	281,889	4.2	64,733	64,783	66,247	2.3
Science and engineering	325,925	334,391	351,734	7.9	255,224	261,165	265,961	4.2	46,080	45,478	46,769	1.5
Science	229,169	241,327	259,795	13.4	186,399	190,928	193,896	4.0	38,241	37,564	38,503	0.7
Agricultural sciences	5,603	5,658	5,629	0.5	3,744	3,880	3,889	3.9	1,024	1,072	1,079	5.4
Biological and biomedical sciences	33,926	35,306	38,078	12.2	51,291	52,627	53,915	5.1	21,781	21,533	21,847	0.3
Computer and information sciences	75,618	77,351	84,092	11.2	14,291	16,127	17,192	20.3	854	879	878	2.8
Geosciences, atmospheric sciences, and ocean sciences	6,006	5,629	5,327	-11.3	6,539	6,704	6,551	0.2	2,089	1,726	1,778	-14.9
Mathematics and statistics	16,568	18,073	19,594	18.3	13,101	13,388	13,565	3.5	991	982	1,070	8.0
Multidisciplinary and interdisciplinary studies	6,923	7,414	8,203	18.5	2,931	2,924	2,978	1.6	1,131	980	972	-14.1
Natural resources and conservation	7,311	7,691	8,066	10.3	3,568	3,716	3,677	3.1	731	764	806	10.3
Physical sciences	6,368	6,075	6,361	-0.1	35,461	36,000	36,506	2.9	7,211	6,976	7,159	-0.7
Psychology	29,638	35,404	40,838	37.8	20,395	20,303	20,231	-0.8	1,082	1,145	1,152	6.5
Social sciences	41,208	42,726	43,607	5.8	35,078	35,259	35,392	0.9	1,347	1,507	1,762	30.8
Engineering	96,756	93,064	91,939	-5.0	68,825	70,237	72,065	4.7	7,839	7,914	8,266	5.4
Bioengineering and biomedical engineering	4,037	4,202	4,335	7.4	6,845	7,278	7,715	12.7	1,398	1,433	1,515	8.4
Chemical engineering	3,292	3,061	2,632	-20.0	6,874	6,950	7,057	2.7	1,197	1,142	1,157	-3.3
Civil engineering	13,506	12,729	11,873	-12.1	7,626	7,732	7,752	1.7	804	739	865	7.6
Electrical, electronics, and communications engineering	29,816	28,108	28,177	-5.5	17,936	18,119	18,577	3.6	1,170	1,197	1,305	11.5
Engineering science, mechanics, and physics	679	729	852	25.5	1,457	1,428	1,447	-0.7	316	354	180	-43.0
Industrial and manufacturing engineering	12,272	12,389	11,912	-2.9	3,633	3,598	3,762	3.6	127	156	167	31.5
Mechanical engineering	16,279	15,434	14,861	-8.7	11,149	11,159	11,247	0.9	1,089	1,069	1,142	4.9
Metallurgical and materials engineering	2,115	2,079	1,974	-6.7	4,426	4,610	4,616	4.3	550	549	642	16.7
Other engineering ^a	14,760	14,333	15,323	3.8	8,879	9,363	9,892	11.4	1,188	1,275	1,293	8.8
Health	52,662	56,820	56,494	7.3	15,301	15,931	15,928	4.1	18,653	19,305	19,478	4.4
Clinical medicine	25,283	27,494	26,251	3.8	4,410	4,508	4,571	3.7	16,100	16,563	16,650	3.4

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Other health	27,379	29,326	30,243	10.5	10,891	11,423	11,357	4.3	2,553	2,742	2,828	10.8

^a Other engineering includes aerospace, aeronautical, and astronautical engineering; agricultural engineering; biological and biosystems engineering; mining engineering; nanotechnology; nuclear engineering; petroleum engineering; and engineering not elsewhere classified.

Note(s):

Broad field refers to the field of the unit that reports postdocs and graduate students.

Source(s):

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