

**Table 1****Enrollment of master's students and doctoral students in science, engineering, and health, by field: 2017–20**

(Number and percent change)

Characteristic	Master's						Doctoral					
	2017	2018	2019	2020	Percent change		2017	2018	2019	2020	Percent change	
					2017–20	2019–20					2017–20	2019–20
All graduate students	378,587	391,211	408,228	414,478	9.5	1.5	270,525	277,096	281,889	283,335	4.7	0.5
Science and engineering	325,925	334,391	351,734	354,354	8.7	0.7	255,224	261,165	265,961	268,021	5.0	0.8
Science	229,169	241,327	259,795	267,904	16.9	3.1	186,399	190,928	193,896	196,742	5.5	1.5
Agricultural and veterinary sciences	5,603	5,658	5,629	6,487	15.8	15.2	3,744	3,880	3,889	4,313	15.2	10.9
Biological and biomedical sciences	33,926	35,306	38,078	39,920	17.7	4.8	51,291	52,627	53,915	54,905	7.0	1.8
Computer and information sciences	75,618	77,351	84,092	80,690	6.7	-4.0	14,291	16,127	17,192	18,174	27.2	5.7
Geosciences, atmospheric sciences, and ocean sciences	6,006	5,629	5,327	5,277	-12.1	-0.9	6,539	6,704	6,551	6,515	-0.4	-0.5
Mathematics and statistics	16,568	18,073	19,594	18,284	10.4	-6.7	13,101	13,388	13,565	13,687	4.5	0.9
Multidisciplinary and interdisciplinary studies	6,923	7,414	8,203	10,980	58.6	33.9	2,931	2,924	2,978	3,553	21.2	19.3
Natural resources and conservation	7,311	7,691	8,066	8,793	20.3	9.0	3,568	3,716	3,677	3,705	3.8	0.8
Physical sciences	6,368	6,075	6,361	6,275	-1.5	-1.4	35,461	36,000	36,506	36,341	2.5	-0.5
Psychology	29,638	35,404	40,838	47,279	59.5	15.8	20,395	20,303	20,231	21,115	3.5	4.4
Social sciences	41,208	42,726	43,607	43,919	6.6	0.7	35,078	35,259	35,392	34,434	-1.8	-2.7
Engineering	96,756	93,064	91,939	86,450	-10.7	-6.0	68,825	70,237	72,065	71,279	3.6	-1.1
Aerospace, aeronautical, and astronautical engineering	3,322	3,342	3,701	4,326	30.2	16.9	2,386	2,506	2,554	2,645	10.9	3.6
Biological, biomedical, and biosystems engineering	4,108	4,282	4,424	4,536	10.4	2.5	7,008	7,481	7,934	8,239	17.6	3.8
Chemical, petroleum, and chemical-related engineering	4,208	3,815	3,274	2,942	-30.1	-10.1	7,536	7,599	7,664	7,612	1.0	-0.7
Civil, environmental, transportation and related engineering fields	13,506	12,729	11,873	10,819	-19.9	-8.9	7,626	7,732	7,752	7,485	-1.8	-3.4
Electrical, electronics, communications and computer engineering	29,816	28,108	28,177	25,312	-15.1	-10.2	17,936	18,119	18,577	17,720	-1.2	-4.6
Industrial, manufacturing, systems engineering and operations research	12,272	12,389	11,912	11,030	-10.1	-7.4	3,633	3,598	3,762	3,839	5.7	2.0
Mechanical engineering	16,279	15,434	14,861	14,305	-12.1	-3.7	11,149	11,159	11,247	11,477	2.9	2.0
Metallurgical, mining, materials and related engineering fields	2,427	2,395	2,266	2,299	-5.3	1.5	4,655	4,821	4,817	4,882	4.9	1.3
Other engineering	10,818	10,570	11,451	10,881	0.6	-5.0	6,896	7,222	7,758	7,380	7.0	-4.9
Health	52,662	56,820	56,494	60,124	14.2	6.4	15,301	15,931	15,928	15,314	0.1	-3.9
Clinical medicine	25,283	27,494	26,251	29,748	17.7	13.3	4,410	4,508	4,571	4,796	8.8	4.9
Other health	27,379	29,326	30,243	30,376	10.9	0.4	10,891	11,423	11,357	10,518	-3.4	-7.4

**Note(s):**

For more information about the Survey of Graduate Students and Postdoctorates in Science and Engineering fields, see technical table A-17 in the 2020 data tables (<https://ncses.nsf.gov/pubs/nsf21319>).

**Source(s):**

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