

**Table 2****Enrollment of master's students and doctoral students in science, engineering, and health, by field: 2019–23**

(Number)

Characteristic	Master's students							Doctoral students						
	2019	2020	2021	2022	2023	Percent change		2019	2020	2021	2022	2023	Percent change	
						2019–23	2022–23						2019–23	2022–23
All graduate students	408,228	414,478	466,613	501,311	510,866	25.1	1.9	281,889	283,335	293,543	297,223	307,229	9.0	3.4
Science and engineering	351,734	354,354	400,922	435,003	449,087	27.7	3.2	265,961	268,021	276,912	279,163	287,961	8.3	3.2
Science	259,795	267,904	305,796	331,983	348,520	34.2	5.0	193,896	196,742	203,988	206,183	212,969	9.8	3.3
Agricultural and veterinary sciences	5,629	6,487	6,801	6,949	6,901	22.6	-0.7	3,889	4,313	4,443	4,647	4,854	24.8	4.5
Biological and biomedical sciences	38,078	39,920	42,728	43,062	44,703	17.4	3.8	53,915	54,905	58,155	59,638	60,863	12.9	2.1
Computer and information sciences	84,092	80,690	102,199	129,972	143,530	70.7	10.4	17,192	18,174	19,531	20,583	22,484	30.8	9.2
Geosciences, atmospheric sciences, and ocean sciences	5,327	5,277	5,520	5,186	4,793	-10.0	-7.6	6,551	6,515	6,770	6,784	6,801	3.8	0.3
Mathematics and statistics	19,594	18,284	20,639	20,798	20,105	2.6	-3.3	13,565	13,687	13,619	13,589	13,788	1.6	1.5
Multidisciplinary and interdisciplinary sciences	8,203	10,980	11,994	16,931	21,928	167.3	29.5	2,978	3,553	3,774	4,014	4,501	51.1	12.1
Natural resources and conservation	8,066	8,793	10,012	9,807	9,486	17.6	-3.3	3,677	3,705	3,910	3,955	4,004	8.9	1.2
Physical sciences	6,361	6,275	6,409	6,256	6,000	-5.7	-4.1	36,506	36,341	37,732	37,836	38,329	5.0	1.3
Psychology	40,838	47,279	51,878	48,321	49,474	21.1	2.4	20,231	21,115	21,447	21,121	24,354	20.4	15.3
Social sciences	43,607	43,919	47,616	44,701	41,600	-4.6	-6.9	35,392	34,434	34,607	34,016	32,991	-6.8	-3.0
Engineering	91,939	86,450	95,126	103,020	100,567	9.4	-2.4	72,065	71,279	72,924	72,980	74,992	4.1	2.8
Aerospace, aeronautical, and astronautical engineering	3,701	4,326	5,065	5,263	5,380	45.4	2.2	2,554	2,645	2,773	2,832	2,884	12.9	1.8
Biological, biomedical, and biosystems engineering	4,424	4,536	5,192	5,177	5,204	17.6	0.5	7,934	8,239	8,867	9,265	9,999	26.0	7.9
Chemical, petroleum, and chemical-related engineering	3,274	2,942	2,983	3,011	2,658	-18.8	-11.7	7,664	7,612	7,713	7,590	7,888	2.9	3.9
Civil, environmental, transportation, and related engineering fields	11,873	10,819	11,730	12,621	12,082	1.8	-4.3	7,752	7,485	7,878	7,754	7,852	1.3	1.3
Electrical, electronics, communications, and computer engineering	28,177	25,312	27,695	32,316	31,093	10.3	-3.8	18,577	17,720	17,570	17,585	17,706	-4.7	0.7
Industrial, manufacturing, systems engineering, and operations research	11,912	11,030	11,949	12,579	11,873	-0.3	-5.6	3,762	3,839	3,921	3,856	3,889	3.4	0.9
Mechanical engineering	14,861	14,305	15,718	16,029	15,335	3.2	-4.3	11,247	11,477	11,540	11,523	11,679	3.8	1.4

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(Number)

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						2019–23	2022–23						2019–23	2022–23
Metallurgical, mining, materials, and related engineering fields	2,266	2,299	2,518	2,545	2,462	8.6	-3.3	4,817	4,882	4,904	4,573	4,782	-0.7	4.6
Other engineering	11,451	10,881	12,276	13,479	14,480	26.5	7.4	7,758	7,380	7,758	8,002	8,313	7.2	3.9
Health	56,494	60,124	65,691	66,308	61,779	9.4	-6.8	15,928	15,314	16,631	18,060	19,268	21.0	6.7
Clinical medicine	26,251	29,748	34,021	33,251	28,484	8.5	-14.3	4,571	4,796	5,612	5,966	6,174	35.1	3.5
Other health	30,243	30,376	31,670	33,057	33,295	10.1	0.7	11,357	10,518	11,019	12,094	13,094	15.3	8.3

**Note(s):**

For more information on the mapping of fields and codes in the Survey of Graduate Students and Postdoctorates in Science and Engineering, see table A-17 at <https://nces.nsf.gov/surveys/graduate-students-postdoctorates-s-e/2023#technical-tables>.

**Source(s):**

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