

Table 3-2

## Enrollment status of S&amp;E graduate students, by field, degree, and sex: 2021

(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
All S&E graduate students	677,834	489,060	188,774	309,437	224,512	84,925	368,397	264,548	103,849
Science	509,784	366,207	143,577	262,874	189,133	73,741	246,910	177,074	69,836
Agricultural and veterinary sciences	11,244	7,754	3,490	6,764	4,646	2,118	4,480	3,108	1,372
Biological and biomedical sciences	100,883	82,218	18,665	61,714	49,744	11,970	39,169	32,474	6,695
Computer and information sciences	121,730	75,637	46,093	38,683	24,927	13,756	83,047	50,710	32,337
Geosciences, atmospheric sciences, and ocean sciences	12,290	9,863	2,427	6,246	5,076	1,170	6,044	4,787	1,257
Mathematics and statistics	34,258	26,522	7,736	12,605	9,550	3,055	21,653	16,972	4,681
Multidisciplinary and interdisciplinary studies	15,768	9,650	6,118	8,613	5,348	3,265	7,155	4,302	2,853
Natural resources and conservation	13,922	9,476	4,446	8,444	5,798	2,646	5,478	3,678	1,800
Physical sciences	44,141	38,847	5,294	16,080	14,037	2,043	28,061	24,810	3,251
Psychology	73,325	47,699	25,626	58,858	38,007	20,851	14,467	9,692	4,775
Social sciences	82,223	58,541	23,682	44,867	32,000	12,867	37,356	26,541	10,815
Engineering	168,050	122,853	45,197	46,563	35,379	11,184	121,487	87,474	34,013
Aerospace, aeronautical, and astronautical engineering	7,838	5,161	2,677	1,465	960	505	6,373	4,201	2,172
Architectural, environmental, construction and surveying engineering	3,496	2,362	1,134	1,569	1,067	502	1,927	1,295	632
Agricultural engineering	1,187	907	280	491	364	127	696	543	153
Biological, biomedical, and biosystems engineering	14,059	12,066	1,993	6,542	5,651	891	7,517	6,415	1,102
Chemical engineering	9,670	8,579	1,091	3,361	2,997	364	6,309	5,582	727
Civil engineering	16,112	11,856	4,256	5,276	4,028	1,248	10,836	7,828	3,008
Computer engineering	12,632	9,557	3,075	3,398	2,694	704	9,234	6,863	2,371
Electrical, electronics, and communications engineering	32,633	24,187	8,446	6,904	5,367	1,537	25,729	18,820	6,909
Engineering mechanics, physics, and science	2,239	1,867	372	620	536	84	1,619	1,331	288
Industrial and manufacturing engineering	7,606	5,290	2,316	2,200	1,522	678	5,406	3,768	1,638
Mechanical engineering	27,258	20,236	7,022	5,063	3,849	1,214	22,195	16,387	5,808
Metallurgical, mining, materials and related engineering fields	7,422	6,171	1,251	2,355	1,964	391	5,067	4,207	860
Nuclear engineering	1,516	1,192	324	304	248	56	1,212	944	268
Petroleum engineering	1,026	837	189	211	171	40	815	666	149
Systems engineering and operations research	8,264	4,048	4,216	2,538	1,384	1,154	5,726	2,664	3,062
Engineering nec	15,092	8,537	6,555	4,266	2,577	1,689	10,826	5,960	4,866
All S&E master's students	400,922	243,509	157,413	187,856	116,349	71,507	213,066	127,160	85,906
Science	305,796	184,719	121,077	162,191	99,762	62,429	143,605	84,957	58,648
Agricultural and veterinary sciences	6,801	4,034	2,767	4,289	2,555	1,734	2,512	1,479	1,033
Biological and biomedical sciences	42,728	27,949	14,779	28,284	18,534	9,750	14,444	9,415	5,029
Computer and information sciences	102,199	58,913	43,286	33,288	20,276	13,012	68,911	38,637	30,274

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(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
Geosciences, atmospheric sciences, and ocean sciences	5,520	3,731	1,789	2,896	1,991	905	2,624	1,740	884
Mathematics and statistics	20,639	14,157	6,482	8,522	5,880	2,642	12,117	8,277	3,840
Multidisciplinary and interdisciplinary studies	11,994	6,602	5,392	6,570	3,651	2,919	5,424	2,951	2,473
Natural resources and conservation	10,012	6,343	3,669	6,247	4,023	2,224	3,765	2,320	1,445
Physical sciences	6,409	3,834	2,575	2,595	1,530	1,065	3,814	2,304	1,510
Psychology	51,878	30,052	21,826	42,715	24,674	18,041	9,163	5,378	3,785
Social sciences	47,616	29,104	18,512	26,785	16,648	10,137	20,831	12,456	8,375
Engineering	95,126	58,790	36,336	25,665	16,587	9,078	69,461	42,203	27,258
Aerospace, aeronautical, and astronautical engineering	5,065	2,755	2,310	907	475	432	4,158	2,280	1,878
Architectural, environmental, construction and surveying engineering	2,378	1,422	956	1,036	614	422	1,342	808	534
Agricultural engineering	519	317	202	223	133	90	296	184	112
Biological, biomedical, and biosystems engineering	5,192	3,900	1,292	2,530	1,916	614	2,662	1,984	678
Chemical engineering	2,555	1,761	794	913	633	280	1,642	1,128	514
Civil engineering	9,352	6,004	3,348	3,041	2,043	998	6,311	3,961	2,350
Computer engineering	9,829	7,161	2,668	2,802	2,173	629	7,027	4,988	2,039
Electrical, electronics, and communications engineering	17,866	11,379	6,487	3,856	2,656	1,200	14,010	8,723	5,287
Engineering mechanics, physics, and science	782	535	247	237	178	59	545	357	188
Industrial and manufacturing engineering	5,284	3,424	1,860	1,398	865	533	3,886	2,559	1,327
Mechanical engineering	15,718	9,930	5,788	2,708	1,685	1,023	13,010	8,245	4,765
Metallurgical, mining, materials and related engineering fields	2,518	1,662	856	826	546	280	1,692	1,116	576
Nuclear engineering	484	327	157	89	61	28	395	266	129
Petroleum engineering	428	292	136	81	57	24	347	235	112
Systems engineering and operations research	6,665	2,883	3,782	2,079	1,024	1,055	4,586	1,859	2,727
Engineering nec	10,491	5,038	5,453	2,939	1,528	1,411	7,552	3,510	4,042
All S&E doctoral students	276,912	245,551	31,361	121,581	108,163	13,418	155,331	137,388	17,943
Science	203,988	181,488	22,500	100,683	89,371	11,312	103,305	92,117	11,188
Agricultural and veterinary sciences	4,443	3,720	723	2,475	2,091	384	1,968	1,629	339
Biological and biomedical sciences	58,155	54,269	3,886	33,430	31,210	2,220	24,725	23,059	1,666
Computer and information sciences	19,531	16,724	2,807	5,395	4,651	744	14,136	12,073	2,063
Geosciences, atmospheric sciences, and ocean sciences	6,770	6,132	638	3,350	3,085	265	3,420	3,047	373
Mathematics and statistics	13,619	12,365	1,254	4,083	3,670	413	9,536	8,695	841
Multidisciplinary and interdisciplinary studies	3,774	3,048	726	2,043	1,697	346	1,731	1,351	380
Natural resources and conservation	3,910	3,133	777	2,197	1,775	422	1,713	1,358	355
Physical sciences	37,732	35,013	2,719	13,485	12,507	978	24,247	22,506	1,741

**Table 3-2****Enrollment status of S&E graduate students, by field, degree, and sex: 2021**

(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
Psychology	21,447	17,647	3,800	16,143	13,333	2,810	5,304	4,314	990
Social sciences	34,607	29,437	5,170	18,082	15,352	2,730	16,525	14,085	2,440
Engineering	72,924	64,063	8,861	20,898	18,792	2,106	52,026	45,271	6,755
Aerospace, aeronautical, and astronautical engineering	2,773	2,406	367	558	485	73	2,215	1,921	294
Architectural, environmental, construction and surveying engineering	1,118	940	178	533	453	80	585	487	98
Agricultural engineering	668	590	78	268	231	37	400	359	41
Biological, biomedical, and biosystems engineering	8,867	8,166	701	4,012	3,735	277	4,855	4,431	424
Chemical engineering	7,115	6,818	297	2,448	2,364	84	4,667	4,454	213
Civil engineering	6,760	5,852	908	2,235	1,985	250	4,525	3,867	658
Computer engineering	2,803	2,396	407	596	521	75	2,207	1,875	332
Electrical, electronics, and communications engineering	14,767	12,808	1,959	3,048	2,711	337	11,719	10,097	1,622
Engineering mechanics, physics, and science	1,457	1,332	125	383	358	25	1,074	974	100
Industrial and manufacturing engineering	2,322	1,866	456	802	657	145	1,520	1,209	311
Mechanical engineering	11,540	10,306	1,234	2,355	2,164	191	9,185	8,142	1,043
Metallurgical, mining, materials and related engineering fields	4,904	4,509	395	1,529	1,418	111	3,375	3,091	284
Nuclear engineering	1,032	865	167	215	187	28	817	678	139
Petroleum engineering	598	545	53	130	114	16	468	431	37
Systems engineering and operations research	1,599	1,165	434	459	360	99	1,140	805	335
Engineering nec	4,601	3,499	1,102	1,327	1,049	278	3,274	2,450	824

nec = not elsewhere classified; S&amp;E = science and engineering.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.