



APPENDIX TABLE 2-23 

S&E graduate enrollment, by field: 2000–15

(Number)

Field	2000	2001	2002	2003	2004	2005	2006	2007 ^a	2008	2009	2010	2011	2012	2013	2014 ^b	2015
S&E	493,311	509,607	540,404	567,121	574,463	582,226	597,643	604,815	613,591	611,629	611,841	608,171	609,760	615,706	648,525	667,939
Engineering	104,112	109,493	119,668	127,377	123,566	120,565	123,041	127,075	131,951	137,873	142,446	143,390	146,022	150,873	162,671	167,789
Aerospace	3,407	3,451	3,685	4,048	4,089	4,170	4,482	4,616	4,902	5,266	5,540	5,691	5,069	5,181	5,116	5,345
Chemical	7,056	6,913	7,414	7,516	7,452	7,173	7,261	7,584	7,892	8,188	8,668	8,828	9,222	9,698	9,870	10,008
Civil	16,451	16,665	17,713	18,890	18,561	18,114	17,802	16,071	16,931	18,638	19,559	19,596	19,922	20,110	20,789	20,978
Electrical	33,611	36,100	39,948	41,763	38,995	37,450	38,265	40,588	41,164	41,218	41,336	41,580	42,347	45,562	51,909	52,940
Industrial	12,119	12,940	14,033	14,313	13,852	13,650	13,829	14,474	15,692	15,825	15,205	14,494	14,469	14,363	14,845	16,284
Materials	4,377	4,721	4,992	5,131	5,059	5,160	5,268	5,314	5,539	5,863	6,274	6,649	6,985	7,144	7,518	7,741
Mechanical	15,235	15,852	17,139	18,393	17,852	17,373	17,919	18,347	19,585	21,243	22,509	21,883	23,088	24,087	25,651	27,314
Other	11,856	12,851	14,744	17,323	17,706	17,475	18,215	20,081	20,246	21,632	23,355	24,669	24,920	24,728	26,973	27,179
Science	389,199	400,114	420,736	439,744	450,897	461,661	474,602	477,740	481,640	473,756	469,395	464,781	463,738	464,833	485,854	500,150
Natural sciences	255,406	263,978	279,369	292,453	299,439	304,952	314,602	310,489	313,706	303,195	298,812	292,097	295,414	297,561	324,083	339,566
Agricultural sciences	12,023	12,235	12,698	13,197	13,445	13,123	13,016	13,528	14,153	15,200	15,656	16,129	16,234	16,429	17,505	18,610
Biological sciences ^c	56,282	57,639	61,088	64,701	66,565	68,479	69,941	73,516	74,678	75,660	77,726	79,540	80,994	81,444	83,413	85,098
Earth, atmospheric, and ocean sciences	13,941	13,841	14,240	14,620	15,131	14,836	14,920	14,100	14,389	14,839	15,655	15,820	16,069	15,816	15,710	15,447
Atmospheric sciences	963	924	1,036	1,150	1,086	1,146	1,079	1,178	1,400	1,355	1,455	1,513	1,546	1,534	1,466	1,387



Field	2000	2001	2002	2003	2004	2005	2006	2007 ^a	2008	2009	2010	2011	2012	2013	2014 ^b	2015
Earth sciences	6,596	6,544	6,712	6,889	7,358	7,212	7,177	7,020	7,089	7,539	8,251	8,361	8,659	8,754	8,821	8,876
Oceanography	2,668	2,585	2,618	2,695	2,801	2,760	2,770	2,615	2,634	2,633	2,556	2,680	2,642	2,682	2,666	2,574
Other geosciences	3,714	3,788	3,874	3,886	3,886	3,718	3,894	3,287	3,266	3,312	3,393	3,266	3,222	2,846	2,757	2,610
Mathematics and computer sciences	63,000	68,847	73,432	73,161	69,947	68,188	68,468	69,221	70,953	73,387	74,682	75,035	76,364	81,143	102,420	112,636
Computer sciences	47,350	52,196	55,269	53,696	50,016	47,978	47,653	48,246	49,553	51,161	51,546	51,234	51,789	56,339	76,546	86,192
Mathematics and statistics	15,650	16,651	18,163	19,465	19,931	20,210	20,815	20,975	21,400	22,226	23,136	23,801	24,575	24,804	25,874	26,444
Medical and other health sciences	79,775	80,378	85,570	92,476	98,590	103,951	111,356	103,300	102,214	85,960	76,120	65,879	65,825	62,710	64,703	67,389
Medical sciences	22,815	24,012	26,841	29,440	29,762	31,223	33,437	31,876	32,311	32,508	33,862	34,348	34,555	34,332	35,323	36,978
Other health sciences ^d	56,960	56,366	58,729	63,036	68,828	72,728	77,919	71,424	69,903	53,452	42,258	31,531	31,270	28,378	29,380	30,411
Physical sciences	30,385	31,038	32,341	34,298	35,761	36,375	36,901	36,824	37,319	38,149	38,973	39,694	39,928	40,019	40,332	40,386
Astronomy	888	916	990	1,080	1,119	1,191	1,211	1,232	1,275	1,409	1,331	1,345	1,278	1,250	1,241	1,273
Chemistry	18,105	18,366	19,045	20,049	20,776	21,101	21,351	21,298	21,574	22,094	22,436	22,802	23,117	22,949	22,936	22,840
Physics	10,841	11,248	11,701	12,555	13,298	13,472	13,722	13,816	13,862	14,060	14,507	14,829	14,940	15,239	15,564	15,609
Other physical sciences	551	508	605	614	568	611	617	478	608	586	699	718	593	581	591	664
Social and behavioral sciences	133,793	136,136	141,367	147,291	151,458	156,709	160,000	162,767	162,375	164,004	162,639	166,147	162,286	161,380	154,575	152,446
Psychology ^d	50,466	50,454	51,152	52,162	54,126	57,282	57,653	59,617	58,991	56,184	53,419	54,486	54,117	54,102	48,833	49,740
Social sciences	83,327	85,682	90,215	95,129	97,332	99,427	102,347	103,150	103,384	107,820	109,220	111,661	108,169	107,278	105,742	102,706
Anthropology	7,626	7,491	7,481	7,789	7,826	7,750	8,150	8,129	8,333	8,359	8,528	8,406	8,247	8,172	7,955	7,625
Economics	12,827	13,569	14,196	14,634	14,513	13,932	14,290	14,586	15,103	16,215	16,497	17,015	17,004	16,735	16,535	16,355



Field	2000	2001	2002	2003	2004	2005	2006	2007 ^a	2008	2009	2010	2011	2012	2013	2014 ^b	2015
History of science	532	571	663	737	994	965	968	1,054	1,177	1,006	705	597	508	391	371	379
Linguistics	2,674	2,744	2,875	3,028	2,941	3,187	3,074	2,879	3,095	3,170	3,132	3,219	3,256	3,509	3,489	3,370
Political science and public administration	31,131	31,805	34,934	36,880	39,023	40,780	41,784	41,349	40,871	43,919	45,045	49,660	48,855	48,411	47,370	45,781
Sociology	9,397	9,620	9,665	9,900	9,713	9,866	9,872	10,324	10,655	10,307	10,212	9,959	9,157	9,188	8,834	8,479
Other social sciences	19,140	19,882	20,401	22,161	22,322	22,947	24,209	24,829	24,150	24,844	25,101	22,805	21,142	20,872	21,188	20,717
Multidisciplinary and interdisciplinary studies	ne	ne	ne	ne	ne	ne	ne	4,484	5,559	6,557	7,944	6,537	6,038	5,892	7,196	8,138

ne = not eligible; data were not collected for this field before 2007.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. Because of methodological changes, counts should be used with caution for trend analysis. For more details, see appendix A in <https://www.nsf.gov/statistics/nsf10307/>.

^b In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed U.S. academic institutions with master's- or doctorate-granting programs in science, engineering, or health. For more details on the impact of the frame update, see <https://www.nsf.gov/statistics/2016/nsf16314/>.

^c Starting in 2007, includes neuroscience, which may have been reported under other fields in prior years.

^d Beginning with 2008, more rigorous follow-up was done in recent years with institutions regarding the exclusion of practitioner-oriented graduate degree programs in psychology and in other health sciences (a subfield of health). This change may affect interpretation of trends in these fields.

Note(s)

S&E includes health fields (medical sciences and other health sciences) and excludes newly eligible fields (architecture, communication, and family and consumer sciences and human sciences) added starting in 2007. Therefore, the S&E numbers in this table differ from the data used in National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering (annual series), and elsewhere. The survey changes in 2007 and 2014 may affect interpretation of trends.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2016), 2015 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS).

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