



APPENDIX TABLE 2-21 

**Earned bachelor's degrees, by sex and field: 2000–15**

(Number)

Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Both sexes																
All fields	1,254,618	1,260,308	1,308,970	1,365,694	1,417,421	1,456,401	1,502,922	1,541,704	1,580,413	1,619,028	1,668,227	1,734,229	1,810,647	1,861,034	1,890,941	1,916,129
S&E	398,602	400,435	415,983	442,755	458,658	470,214	478,858	485,772	496,168	505,435	525,374	554,365	589,330	615,475	635,915	650,057
Engineering	59,487	59,214	60,605	63,789	64,680	66,152	68,227	68,274	69,908	70,600	74,399	78,099	83,263	87,812	93,950	99,906
Aerospace	1,267	1,498	1,747	2,017	2,318	2,384	2,753	2,828	2,934	3,037	3,207	3,342	3,545	3,490	3,565	3,871
Chemical	6,219	6,088	5,946	5,545	5,185	4,889	4,857	5,081	5,504	5,894	6,692	7,535	8,344	8,917	9,706	10,837
Civil	9,571	8,949	8,891	9,367	9,400	9,800	10,663	11,318	12,243	12,787	13,482	14,840	15,175	15,882	15,551	15,374
Electrical	17,675	18,359	18,957	20,757	21,374	21,459	19,933	18,547	17,357	16,184	16,290	16,485	17,380	18,412	19,991	21,357
Industrial	3,937	3,812	3,977	3,937	3,808	3,936	3,890	3,529	3,566	3,879	4,184	4,293	4,689	4,779	5,323	5,813
Materials	972	930	933	950	865	906	1,006	1,025	1,150	1,070	1,138	1,140	1,322	1,448	1,513	1,687
Mechanical	13,091	13,139	13,353	14,029	14,342	14,880	16,163	16,911	17,685	17,643	18,858	19,470	20,889	22,300	24,679	26,742
Other	6,755	6,439	6,801	7,187	7,388	7,898	8,962	9,035	9,469	10,106	10,548	10,994	11,919	12,584	13,622	14,225
Science	339,115	341,221	355,378	378,966	393,978	404,062	410,631	417,498	426,260	434,835	450,975	476,266	506,067	527,663	541,965	550,151
Natural sciences	150,962	152,623	158,975	170,068	173,633	173,460	173,966	176,275	177,601	181,914	190,158	202,517	219,025	233,032	245,624	257,665
Agricultural sciences	18,245	17,465	17,359	17,703	17,058	17,120	17,307	17,696	18,474	19,152	20,400	22,759	25,060	27,609	28,796	29,460
Biological sciences	64,887	62,010	61,675	63,517	64,750	67,972	72,972	79,348	82,398	85,574	89,615	93,654	99,900	104,703	109,520	115,124



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Earth, atmospheric, and ocean sciences	4,019	3,968	3,984	3,949	3,903	3,959	3,987	4,077	4,314	4,542	4,802	5,299	5,865	6,291	6,730	7,155
Atmospheric sciences	490	456	525	562	572	677	651	745	736	721	691	678	735	749	751	734
Earth sciences	3,359	3,334	3,234	3,252	3,170	3,146	3,231	3,193	3,453	3,679	3,931	4,410	4,904	5,302	5,724	6,162
Oceanography	170	178	225	135	161	136	105	139	125	142	180	211	226	240	255	259
Mathematics and computer sciences	49,233	55,034	61,960	70,789	73,703	69,404	63,310	58,147	54,763	54,704	56,939	61,607	67,779	73,153	78,356	83,445
Computer sciences	37,519	43,597	49,706	57,926	59,968	54,588	48,000	42,596	38,922	38,496	40,107	43,586	47,960	51,586	56,130	60,309
Mathematics and statistics	11,714	11,437	12,254	12,863	13,735	14,816	15,310	15,551	15,841	16,208	16,832	18,021	19,819	21,567	22,226	23,136
Physical sciences	14,578	14,146	13,997	14,110	14,219	15,005	16,390	17,007	17,652	17,942	18,402	19,198	20,421	21,276	22,222	22,481
Astronomy	160	240	276	271	292	331	366	332	346	335	388	364	392	357	429	393
Chemistry	10,388	9,815	9,439	9,329	9,300	9,923	10,887	11,250	11,832	12,144	12,338	12,888	13,714	14,024	14,682	14,669
Physics	3,362	3,447	3,641	3,913	4,140	4,199	4,566	4,870	4,876	4,842	5,000	5,221	5,557	6,107	6,283	6,681
Other physical sciences	668	644	641	597	487	552	571	555	598	621	676	725	758	788	828	738
Social and behavioral sciences	188,153	188,598	196,403	208,898	220,345	230,602	236,665	241,223	248,659	252,921	260,817	273,749	287,042	294,631	296,341	292,486
Psychology	74,656	74,124	77,297	79,163	82,606	86,031	88,551	90,498	92,989	94,743	97,746	101,568	109,716	115,373	118,405	118,768
Social sciences	113,497	114,474	119,106	129,735	137,739	144,571	148,114	150,725	155,670	158,178	163,071	172,181	177,326	179,258	177,936	173,718
Anthropology	7,057	6,898	7,198	7,543	7,631	7,742	8,100	8,086	8,853	9,153	9,566	10,022	11,128	11,536	11,302	10,165
Area and ethnic studies	5,614	5,557	5,835	5,745	6,244	6,612	6,975	7,120	7,323	7,598	7,364	7,817	7,860	7,585	7,104	6,620
Economics	19,400	20,371	21,823	23,866	24,927	25,160	24,707	24,825	26,281	27,628	29,090	30,013	29,457	30,034	31,585	34,344



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
History of science	92	101	103	103	140	117	113	114	103	100	110	138	122	119	133	131
Linguistics	716	757	847	914	1,047	1,053	1,201	1,340	1,505	1,478	1,682	1,808	2,109	2,184	2,225	2,275
Political science and public administration	36,384	36,650	38,565	43,796	47,509	51,540	53,589	54,598	55,889	55,319	57,649	59,752	60,760	60,244	59,260	56,814
Sociology	25,685	25,357	25,296	26,200	27,020	28,556	28,541	29,050	28,908	28,836	29,000	29,614	30,602	31,029	30,672	29,543
Other social sciences	18,549	18,783	19,439	21,568	23,221	23,791	24,888	25,592	26,808	28,066	28,610	33,017	35,288	36,527	35,655	33,826
Non-S&E	856,016	859,873	892,987	922,939	958,763	986,187	1,024,064	1,055,932	1,084,245	1,113,593	1,142,853	1,179,864	1,221,317	1,245,559	1,255,026	1,266,072
Engineering technologies	15,410	15,366	15,637	15,591	15,341	15,649	15,327	15,894	16,164	16,454	16,843	17,790	18,231	18,322	17,915	18,253
Male																
All fields	536,059	537,421	555,640	578,937	601,588	618,758	636,559	655,393	673,788	691,428	713,336	740,357	772,175	794,852	809,453	820,426
S&E	197,650	197,771	204,675	219,815	227,861	233,924	238,029	241,697	246,719	250,742	261,091	275,258	291,791	305,777	318,015	327,122
Engineering	47,281	47,302	47,923	50,809	51,417	52,949	54,889	55,621	56,987	57,850	60,706	63,441	67,282	70,878	75,324	79,849
Aerospace	1,029	1,194	1,435	1,633	1,905	1,980	2,252	2,376	2,493	2,600	2,744	2,903	3,082	3,011	3,077	3,356
Chemical	4,016	4,033	3,823	3,532	3,352	3,113	3,179	3,338	3,670	3,977	4,543	5,228	5,809	6,260	6,729	7,651
Civil	7,246	6,908	6,667	7,118	7,121	7,451	8,241	8,819	9,491	10,032	10,589	11,562	11,747	12,226	11,850	11,595
Electrical	15,325	15,817	16,240	17,839	18,331	18,614	17,346	16,438	15,450	14,578	14,550	14,744	15,457	16,345	17,660	18,816
Industrial	2,630	2,589	2,636	2,625	2,543	2,666	2,716	2,473	2,557	2,823	3,048	3,129	3,413	3,497	3,869	4,176
Materials	704	667	648	674	595	624	737	753	878	807	844	819	954	1,018	1,101	1,214
Mechanical	11,309	11,401	11,574	12,170	12,395	12,933	14,050	14,894	15,592	15,671	16,695	17,262	18,351	19,613	21,572	23,299



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Other	5,022	4,693	4,900	5,218	5,175	5,568	6,368	6,530	6,856	7,362	7,693	7,794	8,469	8,908	9,466	9,742
Science	150,369	150,469	156,752	169,006	176,444	180,975	183,140	186,076	189,732	192,892	200,385	211,817	224,509	234,899	242,691	247,273
Natural sciences	80,832	82,030	85,578	92,543	95,462	95,606	94,589	95,924	96,002	97,915	102,530	109,549	118,519	126,982	134,324	140,610
Agricultural sciences	9,780	8,975	8,725	8,740	8,336	8,383	8,398	8,781	9,017	9,334	9,691	10,904	11,616	12,783	13,271	13,226
Biological sciences	26,936	24,972	24,030	24,023	24,319	25,698	27,917	31,347	33,136	34,477	36,737	37,860	40,683	42,732	44,811	46,554
Earth, atmospheric, and ocean sciences	2,413	2,346	2,282	2,298	2,256	2,299	2,341	2,399	2,559	2,774	2,913	3,219	3,570	3,891	4,134	4,454
Atmospheric sciences	376	324	374	386	369	436	432	483	473	486	455	461	472	500	493	469
Earth sciences	1,950	1,934	1,788	1,846	1,812	1,795	1,873	1,857	2,023	2,209	2,365	2,650	2,978	3,270	3,508	3,835
Oceanography	87	88	120	66	75	68	36	59	63	79	93	108	120	121	133	150
Mathematics and computer sciences	33,113	37,500	42,518	49,251	52,330	50,636	46,496	43,376	40,922	40,839	42,385	46,162	50,513	54,647	58,701	62,660
Computer sciences	26,997	31,549	36,016	42,258	44,902	42,429	38,061	34,652	32,038	31,602	32,801	35,886	39,230	42,377	45,986	49,446
Mathematics and statistics	6,116	5,951	6,502	6,993	7,428	8,207	8,435	8,724	8,884	9,237	9,584	10,276	11,283	12,270	12,715	13,214
Physical sciences	8,590	8,237	8,023	8,231	8,221	8,590	9,437	10,021	10,368	10,491	10,804	11,404	12,137	12,929	13,407	13,716
Astronomy	106	145	160	161	169	188	235	200	226	189	248	228	239	229	259	249
Chemistry	5,483	5,041	4,716	4,649	4,548	4,779	5,253	5,636	5,923	6,038	6,176	6,560	6,984	7,306	7,585	7,561
Physics	2,638	2,692	2,817	3,076	3,233	3,299	3,621	3,846	3,888	3,917	3,985	4,220	4,495	4,945	5,097	5,462
Other physical sciences	363	359	330	345	271	324	328	339	331	347	395	396	419	449	466	444
Social and behavioral sciences	69,537	68,439	71,174	76,463	80,982	85,369	88,551	90,152	93,730	94,977	97,855	102,268	105,990	107,917	108,367	106,663



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Psychology	17,542	16,694	17,389	17,629	18,322	19,099	19,975	20,446	21,307	21,579	22,410	23,401	25,590	27,044	27,554	27,080
Social sciences	51,995	51,745	53,785	58,834	62,660	66,270	68,576	69,706	72,423	73,398	75,445	78,867	80,400	80,873	80,813	79,583
Anthropology	2,315	2,192	2,272	2,313	2,350	2,362	2,494	2,456	2,733	2,723	2,863	2,998	3,201	3,361	3,219	2,814
Area and ethnic studies	2,043	1,904	2,032	2,055	2,163	2,345	2,463	2,561	2,626	2,732	2,663	2,763	2,715	2,598	2,421	2,242
Economics	13,016	13,450	14,436	15,773	16,650	17,021	17,043	17,195	18,237	19,282	20,195	20,826	20,677	20,849	21,823	23,684
History of science	40	45	40	49	67	53	46	44	51	48	34	60	49	42	52	59
Linguistics	226	245	243	290	330	324	447	461	502	503	558	573	689	692	708	700
Political science and public administration	18,063	17,999	18,822	21,274	23,101	25,130	26,462	27,053	27,734	27,184	27,850	28,975	29,267	28,771	28,178	27,024
Sociology	7,657	7,437	7,299	7,558	7,718	8,430	8,548	8,698	8,787	8,707	8,858	8,988	9,433	9,507	9,598	9,154
Other social sciences	8,635	8,473	8,641	9,522	10,281	10,605	11,073	11,238	11,753	12,219	12,424	13,684	14,369	15,053	14,814	13,906
Non-S&E	338,409	339,650	350,965	359,122	373,727	384,834	398,530	413,696	427,069	440,686	452,245	465,099	480,384	489,075	491,438	493,304
Engineering technologies	13,448	13,286	13,480	13,276	13,195	13,425	13,274	13,989	14,160	14,487	14,788	15,590	16,062	16,089	15,757	15,858
Female																
All fields	718,559	722,887	753,330	786,757	815,833	837,643	866,363	886,311	906,625	927,600	954,891	993,872	1,038,472	1,066,182	1,081,488	1,095,703
S&E	200,952	202,664	211,308	222,940	230,797	236,290	240,829	244,075	249,449	254,693	264,283	279,107	297,539	309,698	317,900	322,935
Engineering	12,206	11,912	12,682	12,980	13,263	13,203	13,338	12,653	12,921	12,750	13,693	14,658	15,981	16,934	18,626	20,057
Aerospace	238	304	312	384	413	404	501	452	441	437	463	439	463	479	488	515
Chemical	2,203	2,055	2,123	2,013	1,833	1,776	1,678	1,743	1,834	1,917	2,149	2,307	2,535	2,657	2,977	3,186



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Civil	2,325	2,041	2,224	2,249	2,279	2,349	2,422	2,499	2,752	2,755	2,893	3,278	3,428	3,656	3,701	3,779
Electrical	2,350	2,542	2,717	2,918	3,043	2,845	2,587	2,109	1,907	1,606	1,740	1,741	1,923	2,067	2,331	2,541
Industrial	1,307	1,223	1,341	1,312	1,265	1,270	1,174	1,056	1,009	1,056	1,136	1,164	1,276	1,282	1,454	1,637
Materials	268	263	285	276	270	282	269	272	272	263	294	321	368	430	412	473
Mechanical	1,782	1,738	1,779	1,859	1,947	1,947	2,113	2,017	2,093	1,972	2,163	2,208	2,538	2,687	3,107	3,443
Other	1,733	1,746	1,901	1,969	2,213	2,330	2,594	2,505	2,613	2,744	2,855	3,200	3,450	3,676	4,156	4,483
Science	188,746	190,752	198,626	209,960	217,534	223,087	227,491	231,422	236,528	241,943	250,590	264,449	281,558	292,764	299,274	302,878
Natural sciences	70,130	70,593	73,397	77,525	78,171	77,854	79,377	80,351	81,599	83,999	87,628	92,968	100,506	106,050	111,300	117,055
Agricultural sciences	8,465	8,490	8,634	8,963	8,722	8,737	8,909	8,915	9,457	9,818	10,709	11,855	13,444	14,826	15,525	16,234
Biological sciences	37,951	37,038	37,645	39,494	40,431	42,274	45,055	48,001	49,262	51,097	52,878	55,794	59,217	61,971	64,709	68,570
Earth, atmospheric, and ocean sciences	1,606	1,622	1,702	1,651	1,647	1,660	1,646	1,678	1,755	1,768	1,889	2,080	2,295	2,400	2,596	2,701
Atmospheric sciences	114	132	151	176	203	241	219	262	263	235	236	217	263	249	258	265
Earth sciences	1,409	1,400	1,446	1,406	1,358	1,351	1,358	1,336	1,430	1,470	1,566	1,760	1,926	2,032	2,216	2,327
Oceanography	83	90	105	69	86	68	69	80	62	63	87	103	106	119	122	109
Mathematics and computer sciences	16,120	17,534	19,442	21,538	21,373	18,768	16,814	14,771	13,841	13,865	14,554	15,445	17,266	18,506	19,655	20,785
Computer sciences	10,522	12,048	13,690	15,668	15,066	12,159	9,939	7,944	6,884	6,894	7,306	7,700	8,730	9,209	10,144	10,863
Mathematics and statistics	5,598	5,486	5,752	5,870	6,307	6,609	6,875	6,827	6,957	6,971	7,248	7,745	8,536	9,297	9,511	9,922
Physical sciences	5,988	5,909	5,974	5,879	5,998	6,415	6,953	6,986	7,284	7,451	7,598	7,794	8,284	8,347	8,815	8,765



Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Astronomy	54	95	116	110	123	143	131	132	120	146	140	136	153	128	170	144
Chemistry	4,905	4,774	4,723	4,680	4,752	5,144	5,634	5,614	5,909	6,106	6,162	6,328	6,730	6,718	7,097	7,108
Physics	724	755	824	837	907	900	945	1,024	988	925	1,015	1,001	1,062	1,162	1,186	1,219
Other physical sciences	305	285	311	252	216	228	243	216	267	274	281	329	339	339	362	294
Social and behavioral sciences	118,616	120,159	125,229	132,435	139,363	145,233	148,114	151,071	154,929	157,944	162,962	171,481	181,052	186,714	187,974	185,823
Psychology	57,114	57,430	59,908	61,534	64,284	66,932	68,576	70,052	71,682	73,164	75,336	78,167	84,126	88,329	90,851	91,688
Social sciences	61,502	62,729	65,321	70,901	75,079	78,301	79,538	81,019	83,247	84,780	87,626	93,314	96,926	98,385	97,123	94,135
Anthropology	4,742	4,706	4,926	5,230	5,281	5,380	5,606	5,630	6,120	6,430	6,703	7,024	7,927	8,175	8,083	7,351
Area and ethnic studies	3,571	3,653	3,803	3,690	4,081	4,267	4,512	4,559	4,697	4,866	4,701	5,054	5,145	4,987	4,683	4,378
Economics	6,384	6,921	7,387	8,093	8,277	8,139	7,664	7,630	8,044	8,346	8,895	9,187	8,780	9,185	9,762	10,660
History of science	52	56	63	54	73	64	67	70	52	52	76	78	73	77	81	72
Linguistics	490	512	604	624	717	729	754	879	1,003	975	1,124	1,235	1,420	1,492	1,517	1,575
Political science and public administration	18,321	18,651	19,743	22,522	24,408	26,410	27,127	27,545	28,155	28,135	29,799	30,777	31,493	31,473	31,082	29,790
Sociology	18,028	17,920	17,997	18,642	19,302	20,126	19,993	20,352	20,121	20,129	20,142	20,626	21,169	21,522	21,074	20,389
Other social sciences	9,914	10,310	10,798	12,046	12,940	13,186	13,815	14,354	15,055	15,847	16,186	19,333	20,919	21,474	20,841	19,920
Non-S&E	517,607	520,223	542,022	563,817	585,036	601,353	625,534	642,236	657,176	672,907	690,608	714,765	740,933	756,484	763,588	772,768
Engineering technologies	1,962	2,080	2,157	2,315	2,146	2,224	2,053	1,905	2,004	1,967	2,055	2,200	2,169	2,233	2,158	2,395



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**Note(s)**

Engineering technologies are focused more on applied skills than on fundamental science and mathematics. Data are based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data from *Science and Engineering Indicators 2008* and earlier years that were based on accredited higher education institutions.

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**Source(s)**

National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey; National Science Foundation, National Center for Science and Engineering Statistics, Integrated Science and Engineering Resources Data System (WebCASPAR), <https://ncesdata.nsf.gov/webcaspar/>.

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