

TABLE S2-4

## Associate's degrees awarded, by sex and field: 2000–17

(Number)

Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Both sexes																		
All fields	573,496	585,610	600,294	637,953	670,335	701,734	718,182	733,151	755,598	793,279	856,381	949,963	1,026,536	1,015,211	1,012,523	1,024,187	1,017,860	1,014,574
S&E	38,434	45,226	51,194	62,805	60,246	54,750	49,850	47,485	49,166	54,284	62,211	76,021	84,785	85,798	87,976	90,589	88,832	92,650
Engineering	1,794	1,898	1,781	2,278	2,843	2,557	2,291	2,272	2,403	2,329	2,665	2,994	3,537	3,871	4,409	5,004	5,414	6,048
Aerospace	1	0	0	0	0	0	2	0	0	0	2	0	3	1	0	3	0	0
Chemical	16	18	28	7	305	2	7	3	1	10	9	31	13	22	21	50	38	42
Civil	58	53	46	62	58	52	43	64	37	62	47	71	93	121	110	103	126	147
Electrical	280	309	182	672	910	691	531	459	422	242	236	199	209	202	319	346	364	389
Industrial	67	132	80	81	49	88	57	56	57	83	72	69	67	64	66	99	72	68
Materials	11	14	10	12	12	13	10	8	9	5	10	6	1	6	11	11	12	13
Mechanical	77	67	65	69	70	64	68	77	100	121	137	139	177	184	213	209	307	316
Other	1,284	1,305	1,370	1,375	1,439	1,647	1,573	1,605	1,777	1,806	2,152	2,479	2,974	3,271	3,669	4,183	4,495	5,073
Science	36,640	43,328	49,413	60,527	57,403	52,193	47,559	45,213	46,763	51,955	59,546	73,027	81,248	81,927	83,567	85,585	83,418	86,602
Natural sciences	29,130	35,718	41,243	52,130	48,289	42,494	37,622	34,536	35,299	37,536	40,801	48,061	52,943	51,535	51,491	51,929	47,217	49,001
Agricultural sciences	1,976	2,106	2,001	2,018	1,966	1,908	1,934	1,790	1,762	1,811	1,952	2,138	2,526	2,392	2,484	2,678	2,673	2,781
Biological sciences	1,484	1,536	1,577	1,786	1,753	1,979	2,028	2,224	2,379	2,546	2,881	3,440	4,028	4,340	4,689	5,071	5,461	5,737
Earth, atmospheric, and ocean sciences	82	82	58	52	41	45	67	69	67	98	99	95	103	112	136	153	152	151
Atmospheric sciences	0	1	0	0	2	2	7	10	5	4	16	10	9	4	6	3	1	0
Earth sciences	28	38	28	34	25	23	40	41	39	59	55	50	67	70	96	112	118	149
Oceanography	54	43	30	18	14	20	20	18	23	35	28	35	27	38	34	38	33	2
Mathematics and computer sciences	24,251	30,809	36,264	47,135	42,955	36,947	31,923	28,507	29,182	30,980	33,565	39,320	42,719	40,699	39,783	39,118	33,541	34,633
Computer sciences	23,576	30,113	35,578	46,400	42,153	36,140	31,170	27,680	28,327	30,050	32,514	37,675	41,190	38,897	37,643	36,421	30,512	31,179
Mathematics and statistics	675	696	686	735	802	807	753	827	855	930	1,051	1,645	1,529	1,802	2,140	2,697	3,029	3,454
Physical sciences	1,337	1,185	1,343	1,139	1,574	1,615	1,670	1,946	1,909	2,101	2,304	3,068	3,567	3,992	4,399	4,909	5,390	5,699
Astronomy	1	1	2	2	1	3	4	2	2	4	3	1	4	4	9	5	7	12
Chemistry	301	183	201	251	279	304	298	354	387	422	404	459	533	626	704	828	834	908
Physics	171	167	177	191	193	196	143	164	151	184	248	260	318	378	516	738	910	1,006
Other physical sciences	864	834	963	695	1,101	1,112	1,225	1,426	1,369	1,491	1,649	2,348	2,712	2,984	3,170	3,338	3,639	3,773
Social and behavioral sciences	7,510	7,610	8,170	8,397	9,114	9,699	9,937	10,677	11,464	14,419	18,745	24,966	28,305	30,392	32,076	33,656	36,201	37,601
Psychology	1,454	1,553	1,704	1,785	1,887	1,942	1,944	2,213	2,412	3,949	6,582	3,866	4,713	6,118	7,529	8,736	10,602	11,282
Social sciences	6,056	6,057	6,466	6,612	7,227	7,757	7,993	8,464	9,052	10,470	12,163	21,100	23,592	24,274	24,547	24,920	25,599	26,319
Anthropology	52	80	83	76	95	120	114	117	153	149	191	231	339	326	384	441	659	726
Area and ethnic studies	250	299	314	121	98	106	114	148	163	170	208	216	189	254	341	365	385	400
Economics	210	209	221	222	268	298	316	281	311	361	387	357	402	484	434	575	882	1,343
Linguistics	0	0	0	0	0	6	1	4	1	1	3	0	1	3	30	8	9	2
Political science and public administration	1,033	913	926	1,159	1,402	1,566	1,749	1,788	1,746	1,831	2,052	4,592	5,812	6,549	6,911	6,835	6,594	6,729

TABLE S2-4

## Associate's degrees awarded, by sex and field: 2000–17

(Number)

Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Sociology	366	371	416	456	552	500	475	510	546	599	658	862	1,071	1,598	2,050	2,554	3,272	3,876
Other social sciences	4,145	4,185	4,506	4,578	4,812	5,161	5,224	5,616	6,132	7,359	8,664	14,842	15,778	15,060	14,397	14,142	13,798	13,243
Non-S&E	535,062	540,384	549,100	575,148	610,089	646,984	668,332	685,666	706,432	738,995	794,170	873,942	941,751	929,413	924,547	933,598	929,028	921,924
S&E technologies	83,653	82,055	76,677	82,133	87,943	92,521	96,772	101,898	106,183	111,172	124,476	148,636	165,632	156,573	148,966	144,098	136,580	132,581
Engineering technologies	40,470	39,732	37,901	39,600	37,020	32,488	29,710	30,097	31,643	33,243	34,553	38,222	40,630	37,475	34,638	34,764	31,704	31,561
Health technologies	41,959	41,013	37,687	41,353	49,497	58,432	65,227	69,591	72,241	75,734	87,437	107,577	121,786	115,739	110,779	105,513	100,796	96,480
Science technologies	1,159	1,190	1,027	1,095	1,133	1,246	1,225	1,429	1,448	1,474	1,818	1,981	2,230	2,357	2,465	2,592	3,033	3,447
Other S&E technologies	65	120	62	85	293	355	610	781	851	721	668	856	986	1,002	1,084	1,229	1,047	1,093
Male																		
All fields	228,913	234,384	239,864	254,633	261,845	269,283	271,951	277,006	284,443	300,266	325,486	363,998	395,343	391,816	394,169	400,407	395,664	397,404
S&E	20,101	24,722	29,609	38,126	36,955	33,964	30,680	29,069	30,266	32,506	36,468	43,490	48,864	48,607	49,753	50,540	47,703	49,784
Engineering	1,545	1,582	1,483	1,905	2,247	2,185	1,970	1,944	2,089	2,002	2,308	2,557	3,048	3,329	3,819	4,309	4,616	5,096
Aerospace	1	0	0	0	0	0	2	0	0	0	2	0	3	1	0	1	0	0
Chemical	11	16	26	6	117	1	5	2	1	8	5	24	11	14	12	37	28	28
Civil	38	34	29	48	41	39	31	44	31	48	40	55	70	95	84	91	100	121
Electrical	250	269	144	554	766	600	475	403	387	221	215	172	189	173	293	308	336	353
Industrial	52	115	74	70	43	82	48	47	50	76	62	61	59	56	64	91	68	62
Materials	10	11	9	8	10	11	7	7	8	5	7	5	1	5	8	10	11	13
Mechanical	69	60	56	62	66	62	65	71	91	102	122	124	164	164	195	174	271	277
Other	1,114	1,077	1,145	1,157	1,204	1,390	1,337	1,370	1,521	1,542	1,855	2,116	2,551	2,821	3,163	3,597	3,802	4,242
Science	18,556	23,140	28,126	36,221	34,708	31,779	28,710	27,125	28,177	30,504	34,160	40,933	45,816	45,278	45,934	46,231	43,087	44,688
Natural sciences	16,356	21,000	25,834	33,749	32,187	29,026	25,889	24,056	24,826	26,465	29,003	34,432	38,429	37,134	37,188	37,036	32,945	34,027
Agricultural sciences	1,185	1,319	1,237	1,244	1,257	1,259	1,194	1,116	1,127	1,124	1,157	1,364	1,585	1,469	1,485	1,623	1,528	1,607
Biological sciences	496	501	500	580	608	667	702	751	741	823	942	1,192	1,357	1,405	1,542	1,689	1,862	1,795
Earth, atmospheric, and ocean sciences	45	48	37	30	21	25	38	44	34	65	65	63	69	77	94	97	95	101
Atmospheric sciences	0	1	0	0	1	1	4	8	2	3	13	7	9	3	5	2	1	0
Earth sciences	12	26	17	15	12	11	24	22	18	42	31	29	42	43	60	69	68	99
Oceanography	33	21	20	15	8	13	10	14	14	20	21	27	18	31	29	26	26	2
Mathematics and computer sciences	14,011	18,534	23,362	31,299	29,417	26,115	22,965	21,040	21,818	23,243	25,455	30,140	33,410	31,911	31,504	30,772	26,294	27,245
Computer sciences	13,603	18,084	22,916	30,833	28,914	25,586	22,482	20,492	21,243	22,608	24,730	29,115	32,360	30,668	30,012	28,857	24,134	24,875
Mathematics and statistics	408	450	446	466	503	529	483	548	575	635	725	1,025	1,050	1,243	1,492	1,915	2,160	2,370
Physical sciences	619	598	698	596	884	960	990	1,105	1,106	1,210	1,384	1,673	2,008	2,272	2,563	2,855	3,166	3,279
Astronomy	1	1	1	1	1	3	4	1	2	3	3	0	2	3	7	5	5	9
Chemistry	126	99	108	121	125	156	153	150	183	197	214	222	276	314	384	443	411	396
Physics	94	107	109	132	134	132	117	131	118	145	189	194	252	290	389	559	701	761
Other physical sciences	398	391	480	342	624	669	716	823	803	865	978	1,257	1,478	1,665	1,783	1,848	2,049	2,113

TABLE S2-4

## Associate's degrees awarded, by sex and field: 2000–17

(Number)

Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Social and behavioral sciences	2,200	2,140	2,292	2,472	2,521	2,753	2,821	3,069	3,351	4,039	5,157	6,501	7,387	8,144	8,746	9,195	10,142	10,661
Psychology	326	360	370	441	434	445	446	517	554	744	1,271	896	1,092	1,496	1,795	2,050	2,591	2,672
Social sciences	1,874	1,780	1,922	2,031	2,087	2,308	2,375	2,552	2,797	3,295	3,886	5,605	6,295	6,648	6,951	7,145	7,551	7,989
Anthropology	21	30	28	35	26	40	26	33	44	50	61	67	127	115	126	151	198	233
Area and ethnic studies	56	44	63	33	40	40	36	53	59	52	88	66	63	100	131	148	155	181
Economics	116	114	90	113	141	158	178	154	165	220	233	209	240	284	263	325	527	778
Linguistics	0	0	0	0	0	3	0	0	0	0	1	0	0	1	12	2	1	1
Political science and public administration	251	204	225	271	286	372	367	361	386	437	475	811	1,069	1,186	1,308	1,357	1,425	1,584
Sociology	89	104	111	126	130	123	134	133	142	158	166	221	292	428	532	682	821	972
Other social sciences	1,341	1,284	1,405	1,453	1,464	1,572	1,634	1,818	2,001	2,378	2,862	4,231	4,504	4,534	4,579	4,480	4,424	4,240
Non-S&E	208,812	209,662	210,255	216,507	224,890	235,319	241,271	247,937	254,177	267,760	289,018	320,508	346,479	343,209	344,416	349,867	347,961	347,620
S&E technologies	42,251	40,951	38,395	40,095	40,027	38,269	37,651	39,063	41,208	42,897	45,746	52,795	58,268	54,566	51,978	51,343	47,851	47,071
Engineering technologies	34,511	33,581	32,084	33,146	31,393	27,632	25,295	25,788	27,183	28,505	29,864	33,301	35,717	32,699	30,353	30,401	27,404	27,195
Health technologies	6,995	6,591	5,668	6,232	7,712	9,620	11,129	11,810	12,493	12,947	14,208	17,536	20,403	19,602	19,248	18,328	17,670	16,868
Science technologies	691	683	589	645	682	714	717	824	838	882	1,143	1,265	1,378	1,492	1,479	1,599	1,905	2,129
Other S&E technologies	54	96	54	72	240	303	510	641	694	563	531	693	770	773	898	1,015	872	879
Female																		
All fields	344,583	351,226	360,430	383,320	408,490	432,451	446,231	456,145	471,155	493,013	530,895	585,965	631,193	623,395	618,354	623,780	622,196	617,170
S&E	18,333	20,504	21,585	24,679	23,291	20,786	19,170	18,416	18,900	21,778	25,743	32,531	35,921	37,191	38,223	40,049	41,129	42,866
Engineering	249	316	298	373	596	372	321	328	314	327	357	437	489	542	590	695	798	952
Aerospace	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Chemical	5	2	2	1	188	1	2	1	0	2	4	7	2	8	9	13	10	14
Civil	20	19	17	14	17	13	12	20	6	14	7	16	23	26	26	12	26	26
Electrical	30	40	38	118	144	91	56	56	35	21	21	27	20	29	26	38	28	36
Industrial	15	17	6	11	6	6	9	9	7	7	10	8	8	8	2	8	4	6
Materials	1	3	1	4	2	2	3	1	1	0	3	1	0	1	3	1	1	0
Mechanical	8	7	9	7	4	2	3	6	9	19	15	15	13	20	18	35	36	39
Other	170	228	225	218	235	257	236	235	256	264	297	363	423	450	506	586	693	831
Science	18,084	20,188	21,287	24,306	22,695	20,414	18,849	18,088	18,586	21,451	25,386	32,094	35,432	36,649	37,633	39,354	40,331	41,914
Natural sciences	12,774	14,718	15,409	18,381	16,102	13,468	11,733	10,480	10,473	11,071	11,798	13,629	14,514	14,401	14,303	14,893	14,272	14,974
Agricultural sciences	791	787	764	774	709	649	740	674	635	687	795	774	941	923	999	1,055	1,145	1,174
Biological sciences	988	1,035	1,077	1,206	1,145	1,312	1,326	1,473	1,638	1,723	1,939	2,248	2,671	2,935	3,147	3,382	3,599	3,942
Earth, atmospheric, and ocean sciences	37	34	21	22	20	20	29	25	33	33	34	32	34	35	42	56	57	50
Atmospheric sciences	0	0	0	0	1	1	3	2	3	1	3	3	0	1	1	1	0	0
Earth sciences	16	12	11	19	13	12	16	19	21	17	24	21	25	27	36	43	50	50
Oceanography	21	22	10	3	6	7	10	4	9	15	7	8	9	7	5	12	7	0

TABLE S2-4

## Associate's degrees awarded, by sex and field: 2000–17

(Number)

Sex and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Mathematics and computer sciences	10,240	12,275	12,902	15,836	13,538	10,832	8,958	7,467	7,364	7,737	8,110	9,180	9,309	8,788	8,279	8,346	7,247	7,388
Computer sciences	9,973	12,029	12,662	15,567	13,239	10,554	8,688	7,188	7,084	7,442	7,784	8,560	8,830	8,229	7,631	7,564	6,378	6,304
Mathematics and statistics	267	246	240	269	299	278	270	279	280	295	326	620	479	559	648	782	869	1,084
Physical sciences	718	587	645	543	690	655	680	841	803	891	920	1,395	1,559	1,720	1,836	2,054	2,224	2,420
Astronomy	0	0	1	1	0	0	0	1	0	1	0	1	2	1	2	0	2	3
Chemistry	175	84	93	130	154	148	145	204	204	225	190	237	257	312	320	385	423	512
Physics	77	60	68	59	59	64	26	33	33	39	59	66	66	88	127	179	209	245
Other physical sciences	466	443	483	353	477	443	509	603	566	626	671	1,091	1,234	1,319	1,387	1,490	1,590	1,660
Social and behavioral sciences	5,310	5,470	5,878	5,925	6,593	6,946	7,116	7,608	8,113	10,380	13,588	18,465	20,918	22,248	23,330	24,461	26,059	26,940
Psychology	1,128	1,193	1,334	1,344	1,453	1,497	1,498	1,696	1,858	3,205	5,311	2,970	3,621	4,622	5,734	6,686	8,011	8,610
Social sciences	4,182	4,277	4,544	4,581	5,140	5,449	5,618	5,912	6,255	7,175	8,277	15,495	17,297	17,626	17,596	17,775	18,048	18,330
Anthropology	31	50	55	41	69	80	88	84	109	99	130	164	212	211	258	290	461	493
Area and ethnic studies	194	255	251	88	58	66	78	95	104	118	120	150	126	154	210	217	230	219
Economics	94	95	131	109	127	140	138	127	146	141	154	148	162	200	171	250	355	565
Linguistics	0	0	0	0	0	3	1	4	1	1	2	0	1	2	18	6	8	1
Political science and public administration	782	709	701	888	1,116	1,194	1,382	1,427	1,360	1,394	1,577	3,781	4,743	5,363	5,603	5,478	5,169	5,145
Sociology	277	267	305	330	422	377	341	377	404	441	492	641	779	1,170	1,518	1,872	2,451	2,904
Other social sciences	2,804	2,901	3,101	3,125	3,348	3,589	3,590	3,798	4,131	4,981	5,802	10,611	11,274	10,526	9,818	9,662	9,374	9,003
Non-S&E	326,250	330,722	338,845	358,641	385,199	411,665	427,061	437,729	452,255	471,235	505,152	553,434	595,272	586,204	580,131	583,731	581,067	574,304
S&E technologies	41,402	41,104	38,282	42,038	47,916	54,252	59,121	62,835	64,975	68,275	78,730	95,841	107,364	102,007	96,988	92,755	88,729	85,510
Engineering technologies	5,959	6,151	5,817	6,454	5,627	4,856	4,415	4,309	4,460	4,738	4,689	4,921	4,913	4,776	4,285	4,363	4,300	4,366
Health technologies	34,964	34,422	32,019	35,121	41,785	48,812	54,098	57,781	59,748	62,787	73,229	90,041	101,383	96,137	91,531	87,185	83,126	79,612
Science technologies	468	507	438	450	451	532	508	605	610	592	675	716	852	865	986	993	1,128	1,318
Other S&E technologies	11	24	8	13	53	52	100	140	157	158	137	163	216	229	186	214	175	214

**Note(s)**

Engineering technologies are more focused 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.

**Source(s)**

National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey; National Center for Science and Engineering Statistics, National Science Foundation, Integrated Data System (IDS).