

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Both sexes									
All citizenships, races, and ethnicity									
All fields	1,734,229	1,811,404	1,861,034	1,890,941	1,916,129	1,942,140	1,973,112	2,001,610	2,034,071
S&E	554,365	589,567	615,475	635,915	650,057	666,157	684,557	707,158	724,947
Engineering	78,099	83,263	87,812	93,950	99,906	108,976	117,927	124,328	129,185
Aerospace	3,342	3,545	3,490	3,565	3,871	3,874	4,021	4,132	4,825
Chemical	7,535	8,344	8,917	9,706	10,837	12,125	13,327	13,968	13,263
Civil	14,840	15,175	15,882	15,551	15,374	16,013	16,398	16,919	17,784
Electrical	16,485	17,380	18,412	19,991	21,357	23,416	25,715	26,918	28,385
Industrial	4,293	4,689	4,779	5,323	5,813	6,339	6,906	7,275	7,534
Materials	1,140	1,322	1,448	1,513	1,687	1,891	1,968	1,928	2,022
Mechanical	19,470	20,889	22,300	24,679	26,742	29,589	32,747	35,587	37,211
Other	10,994	11,919	12,584	13,622	14,225	15,729	16,845	17,601	18,161
Science	476,266	506,304	527,663	541,965	550,151	557,181	566,630	582,830	595,762
Natural sciences	202,517	219,093	233,032	245,624	257,665	269,121	281,498	296,049	309,119
Agricultural sciences	22,759	25,060	27,609	28,796	29,460	30,540	31,089	32,462	33,472
Biological sciences	93,654	99,894	104,703	109,520	115,124	119,073	121,742	125,068	127,415
Earth, atmospheric, and ocean sciences	5,299	5,865	6,291	6,730	7,155	7,283	7,320	7,431	6,997
Atmospheric sciences	678	735	749	751	734	714	685	714	635
Earth sciences	4,410	4,904	5,302	5,724	6,162	6,336	6,420	6,536	6,147
Oceanography	211	226	240	255	259	233	215	181	215
Mathematics and computer sciences	61,607	67,853	73,153	78,356	83,445	89,479	97,937	107,432	117,673
Computer sciences	43,586	48,034	51,586	56,130	60,309	65,186	72,129	80,271	89,421
Mathematics and statistics	18,021	19,819	21,567	22,226	23,136	24,293	25,808	27,161	28,252
Physical sciences	19,198	20,421	21,276	22,222	22,481	22,746	23,410	23,656	23,562
Astronomy	364	392	357	429	393	453	536	591	642
Chemistry	12,888	13,714	14,024	14,682	14,669	14,672	15,123	14,948	14,638
Physics	5,221	5,557	6,107	6,283	6,681	6,968	7,117	7,534	7,703
Other physical sciences	725	758	788	828	738	653	634	583	579
Social and behavioral sciences	273,749	287,211	294,631	296,341	292,486	288,060	285,132	286,781	286,643
Psychology	101,568	109,782	115,373	118,405	118,768	118,646	117,441	117,574	117,638
Social sciences	172,181	177,429	179,258	177,936	173,718	169,414	167,691	169,207	169,005
Anthropology	10,022	11,128	11,536	11,302	10,165	9,330	8,566	8,621	8,385
Area and ethnic studies	7,817	7,860	7,585	7,104	6,620	6,601	6,433	6,420	6,492
Economics	30,013	29,457	30,034	31,585	34,344	35,045	35,638	36,902	36,785
History of science	138	122	119	133	131	111	117	100	112

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## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Linguistics	1,808	2,109	2,184	2,225	2,275	2,289	2,299	2,305	2,316
Political science and public administration	59,752	60,801	60,244	59,260	56,814	54,822	54,875	55,805	57,307
Sociology	29,614	30,602	31,029	30,672	29,543	28,520	27,929	27,838	27,288
Other social sciences	33,017	35,350	36,527	35,655	33,826	32,696	31,834	31,216	30,320
Non-S&E	1,179,864	1,221,837	1,245,559	1,255,026	1,266,072	1,275,983	1,288,555	1,294,452	1,309,124
U.S. citizen or permanent resident									
All fields	1,681,535	1,751,821	1,796,133	1,821,458	1,840,490	1,857,833	1,881,684	1,903,321	1,932,187
S&E	533,567	565,685	588,952	606,611	617,418	629,003	642,843	660,390	675,226
Engineering	72,848	76,932	81,065	86,394	91,351	98,859	106,118	111,008	115,439
Aerospace	3,097	3,278	3,217	3,269	3,599	3,574	3,724	3,814	4,516
Chemical	6,771	7,445	7,914	8,643	9,667	10,793	11,788	12,175	11,561
Civil	14,281	14,466	15,079	14,601	14,312	14,705	14,894	15,232	15,976
Electrical	14,786	15,381	16,396	17,830	18,847	20,596	22,622	23,438	24,800
Industrial	3,847	4,108	4,195	4,639	5,057	5,454	5,883	6,193	6,366
Materials	1,070	1,242	1,328	1,364	1,525	1,669	1,727	1,710	1,802
Mechanical	18,590	19,770	21,041	23,209	24,987	27,374	29,824	32,202	33,644
Other	10,406	11,242	11,895	12,839	13,357	14,694	15,656	16,244	16,774
Science	460,719	488,753	507,887	520,217	526,067	530,144	536,725	549,382	559,787
Natural sciences	195,008	210,516	223,434	235,251	246,079	255,644	265,714	277,638	288,503
Agricultural sciences	22,417	24,686	27,094	28,227	28,856	29,877	30,375	31,609	32,533
Biological sciences	90,873	97,024	101,663	106,601	112,089	115,673	118,051	121,027	123,104
Earth, atmospheric, and ocean sciences	5,177	5,749	6,110	6,504	6,936	7,040	7,066	7,113	6,665
Atmospheric sciences	673	726	733	736	721	699	668	703	622
Earth sciences	4,293	4,800	5,140	5,517	5,956	6,118	6,187	6,236	5,832
Oceanography	211	223	237	251	259	223	211	174	211
Mathematics and computer sciences	58,223	63,601	68,379	72,834	76,942	81,625	88,310	95,830	104,405
Computer sciences	41,558	45,672	49,204	53,311	56,940	61,100	66,988	73,474	81,454
Mathematics and statistics	16,665	17,929	19,175	19,523	20,002	20,525	21,322	22,356	22,951
Physical sciences	18,318	19,456	20,188	21,085	21,256	21,429	21,912	22,059	21,796
Astronomy	348	384	345	401	377	424	500	547	592
Chemistry	12,315	13,115	13,331	13,937	13,907	13,852	14,230	14,054	13,691
Physics	4,966	5,231	5,758	5,952	6,267	6,527	6,567	6,895	6,956
Other physical sciences	689	726	754	795	705	626	615	563	557
Social and behavioral sciences	265,711	278,237	284,453	284,966	279,988	274,500	271,011	271,744	271,284
Psychology	99,892	107,776	113,144	115,945	116,211	115,750	114,384	114,314	114,209
Social sciences	165,819	170,461	171,309	169,021	163,777	158,750	156,627	157,430	157,075

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## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Anthropology	9,924	11,006	11,431	11,151	10,028	9,190	8,430	8,459	8,209
Area and ethnic studies	7,607	7,630	7,387	6,850	6,377	6,324	6,128	6,056	6,175
Economics	26,690	25,672	25,495	26,421	28,437	28,655	29,074	30,095	29,825
History of science	137	121	117	130	129	108	115	97	105
Linguistics	1,723	2,004	2,094	2,128	2,167	2,177	2,178	2,157	2,171
Political science and public administration	58,051	59,128	58,442	57,410	54,821	52,750	52,713	53,427	55,058
Sociology	29,243	30,163	30,544	30,125	28,959	27,899	27,228	27,085	26,422
Other social sciences	32,444	34,737	35,799	34,806	32,859	31,647	30,761	30,054	29,110
Non-S&E	1,147,968	1,186,136	1,207,181	1,214,847	1,223,072	1,228,830	1,238,841	1,242,931	1,256,961
Hispanic or Latino									
All fields	159,936	176,719	194,919	211,710	226,900	245,081	258,195	277,429	294,537
S&E	51,421	58,165	65,726	73,179	79,203	86,279	91,550	99,892	106,337
Engineering	6,317	7,173	7,907	8,984	9,960	11,337	12,613	13,514	14,803
Aerospace	217	279	288	345	396	420	411	448	587
Chemical	478	606	638	714	814	1,067	1,150	1,288	1,280
Civil	1,428	1,586	1,802	1,825	1,887	2,043	2,213	2,184	2,441
Electrical	1,548	1,710	1,790	2,150	2,303	2,593	2,986	3,094	3,391
Industrial	463	540	543	605	646	699	777	832	843
Materials	50	91	81	104	99	141	124	138	164
Mechanical	1,516	1,712	1,970	2,345	2,765	3,098	3,551	4,002	4,388
Other	617	649	795	896	1,050	1,276	1,401	1,528	1,709
Science	45,104	50,992	57,819	64,195	69,243	74,942	78,937	86,378	91,534
Natural sciences	15,231	17,542	20,142	23,072	25,845	28,697	31,096	35,064	38,460
Agricultural sciences	1,236	1,407	1,815	1,983	2,236	2,570	2,791	3,061	3,560
Biological sciences	7,761	8,891	10,081	11,542	13,171	14,571	15,361	17,633	18,858
Earth, atmospheric, and ocean sciences	265	323	390	495	539	640	685	721	774
Atmospheric sciences	29	36	33	56	46	39	46	40	48
Earth sciences	223	274	343	422	466	578	619	667	703
Oceanography	13	13	14	17	27	23	20	14	23
Mathematics and computer sciences	4,691	5,493	6,223	7,224	7,849	8,778	9,872	10,926	12,405
Computer sciences	3,539	4,216	4,719	5,469	5,912	6,612	7,544	8,370	9,691
Mathematics and statistics	1,152	1,277	1,504	1,755	1,937	2,166	2,328	2,556	2,714
Physical sciences	1,278	1,428	1,633	1,828	2,050	2,138	2,387	2,723	2,863
Astronomy	26	21	31	36	38	45	54	67	70
Chemistry	940	1,052	1,104	1,273	1,416	1,455	1,641	1,803	1,851
Physics	276	314	426	446	528	585	635	786	867

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## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other physical sciences	36	41	72	73	68	53	57	67	75
Social and behavioral sciences	29,873	33,450	37,677	41,123	43,398	46,245	47,841	51,314	53,074
Psychology	11,667	13,359	15,389	17,580	18,799	20,321	20,675	22,926	23,474
Social sciences	18,206	20,091	22,288	23,543	24,599	25,924	27,166	28,388	29,600
Anthropology	1,056	1,200	1,394	1,503	1,548	1,594	1,505	1,556	1,601
Area and ethnic studies	1,185	1,261	1,294	1,305	1,229	1,334	1,407	1,482	1,556
Economics	1,835	2,047	2,205	2,396	2,821	2,958	3,129	3,547	3,655
History of science	13	8	7	9	12	6	14	4	9
Linguistics	165	216	254	288	312	343	387	399	415
Political science and public administration	6,422	6,893	7,607	7,935	8,068	8,312	8,833	9,120	9,730
Sociology	4,065	4,603	5,198	5,438	5,699	6,320	6,622	6,962	7,145
Other social sciences	3,465	3,863	4,329	4,669	4,910	5,057	5,269	5,318	5,489
Non-S&E	108,515	118,554	129,193	138,531	147,697	158,802	166,645	177,537	188,200
Not Hispanic or Latino									
All fields	1,521,599	1,575,102	1,601,214	1,609,748	1,613,590	1,612,752	1,623,489	1,625,892	1,637,650
S&E	482,146	507,520	523,226	533,432	538,215	542,724	551,293	560,498	568,889
Engineering	66,531	69,759	73,158	77,410	81,391	87,522	93,505	97,494	100,636
Aerospace	2,880	2,999	2,929	2,924	3,203	3,154	3,313	3,366	3,929
Chemical	6,293	6,839	7,276	7,929	8,853	9,726	10,638	10,887	10,281
Civil	12,853	12,880	13,277	12,776	12,425	12,662	12,681	13,048	13,535
Electrical	13,238	13,671	14,606	15,680	16,544	18,003	19,636	20,344	21,409
Industrial	3,384	3,568	3,652	4,034	4,411	4,755	5,106	5,361	5,523
Materials	1,020	1,151	1,247	1,260	1,426	1,528	1,603	1,572	1,638
Mechanical	17,074	18,058	19,071	20,864	22,222	24,276	26,273	28,200	29,256
Other	9,789	10,593	11,100	11,943	12,307	13,418	14,255	14,716	15,065
Science	415,615	437,761	450,068	456,022	456,824	455,202	457,788	463,004	468,253
Natural sciences	179,777	192,974	203,292	212,179	220,234	226,947	234,618	242,574	250,043
Agricultural sciences	21,181	23,279	25,279	26,244	26,620	27,307	27,584	28,548	28,973
Biological sciences	83,112	88,133	91,582	95,059	98,918	101,102	102,690	103,394	104,246
Earth, atmospheric, and ocean sciences	4,912	5,426	5,720	6,009	6,397	6,400	6,381	6,392	5,891
Atmospheric sciences	644	690	700	680	675	660	622	663	574
Earth sciences	4,070	4,526	4,797	5,095	5,490	5,540	5,568	5,569	5,129
Oceanography	198	210	223	234	232	200	191	160	188
Mathematics and computer sciences	53,532	58,108	62,156	65,610	69,093	72,847	78,438	84,904	92,000
Computer sciences	38,019	41,456	44,485	47,842	51,028	54,488	59,444	65,104	71,763
Mathematics and statistics	15,513	16,652	17,671	17,768	18,065	18,359	18,994	19,800	20,237

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## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Physical sciences	17,040	18,028	18,555	19,257	19,206	19,291	19,525	19,336	18,933
Astronomy	322	363	314	365	339	379	446	480	522
Chemistry	11,375	12,063	12,227	12,664	12,491	12,397	12,589	12,251	11,840
Physics	4,690	4,917	5,332	5,506	5,739	5,942	5,932	6,109	6,089
Other physical sciences	653	685	682	722	637	573	558	496	482
Social and behavioral sciences	235,838	244,787	246,776	243,843	236,590	228,255	223,170	220,430	218,210
Psychology	88,225	94,417	97,755	98,365	97,412	95,429	93,709	91,388	90,735
Social sciences	147,613	150,370	149,021	145,478	139,178	132,826	129,461	129,042	127,475
Anthropology	8,868	9,806	10,037	9,648	8,480	7,596	6,925	6,903	6,608
Area and ethnic studies	6,422	6,369	6,093	5,545	5,148	4,990	4,721	4,574	4,619
Economics	24,855	23,625	23,290	24,025	25,616	25,697	25,945	26,548	26,170
History of science	124	113	110	121	117	102	101	93	96
Linguistics	1,558	1,788	1,840	1,840	1,855	1,834	1,791	1,758	1,756
Political science and public administration	51,629	52,235	50,835	49,475	46,753	44,438	43,880	44,307	45,328
Sociology	25,178	25,560	25,346	24,687	23,260	21,579	20,606	20,123	19,277
Other social sciences	28,979	30,874	31,470	30,137	27,949	26,590	25,492	24,736	23,621
Non-S&E	1,039,453	1,067,582	1,077,988	1,076,316	1,075,375	1,070,028	1,072,196	1,065,394	1,068,761
American Indian or Alaska Native									
All fields	11,126	10,740	10,768	10,211	9,697	9,316	9,194	8,838	8,864
S&E	3,445	3,411	3,446	3,192	2,972	2,930	2,844	2,844	2,720
Engineering	322	309	356	320	316	314	295	358	322
Aerospace	16	17	10	11	12	6	11	7	10
Chemical	29	31	34	31	40	38	38	44	31
Civil	89	61	81	72	46	67	60	60	56
Electrical	55	56	69	62	49	42	48	75	52
Industrial	10	16	20	16	19	11	21	22	17
Materials	3	5	1	1	2	6	3	4	5
Mechanical	84	78	82	70	97	92	67	107	105
Other	36	45	59	57	51	52	47	39	46
Science	3,123	3,102	3,090	2,872	2,656	2,616	2,549	2,486	2,398
Natural sciences	1,171	1,212	1,233	1,177	1,111	1,062	1,085	1,125	1,045
Agricultural sciences	182	213	225	193	206	182	205	231	195
Biological sciences	546	576	528	493	435	473	452	452	436
Earth, atmospheric, and ocean sciences	31	47	33	43	44	36	37	46	29
Atmospheric sciences	2	3	5	3	5	1	2	3	2
Earth sciences	29	44	26	39	36	31	31	42	27

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## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oceanography	0	0	2	1	3	4	4	1	0
Mathematics and computer sciences	310	289	344	339	349	280	316	311	301
Computer sciences	226	231	267	278	281	229	255	250	248
Mathematics and statistics	84	58	77	61	68	51	61	61	53
Physical sciences	102	87	103	109	77	91	75	85	84
Astronomy	1	3	5	0	0	0	1	0	3
Chemistry	68	59	69	79	64	65	52	62	51
Physics	31	23	25	27	10	23	16	21	25
Other physical sciences	2	2	4	3	3	3	6	2	5
Social and behavioral sciences	1,952	1,890	1,857	1,695	1,545	1,554	1,464	1,361	1,353
Psychology	651	711	672	660	601	629	609	547	561
Social sciences	1,301	1,179	1,185	1,035	944	925	855	814	792
Anthropology	102	103	107	72	71	65	61	60	41
Area and ethnic studies	186	167	203	173	162	170	153	178	168
Economics	114	87	99	75	84	90	61	63	66
History of science	0	1	0	1	0	0	0	0	1
Linguistics	16	7	12	7	12	8	10	4	5
Political science and public administration	387	332	334	301	260	244	221	219	183
Sociology	228	228	211	202	165	202	183	143	168
Other social sciences	268	254	219	204	190	146	166	147	160
Non-S&E	7,681	7,329	7,322	7,019	6,725	6,386	6,350	5,994	6,144
Asian									
All fields	109,009	113,736	117,932	120,037	122,822	128,048	134,132	141,730	146,767
S&E	51,139	53,264	56,080	57,374	59,092	62,101	65,757	70,455	73,600
Engineering	8,658	9,081	9,947	10,078	10,734	11,821	12,794	13,565	14,288
Aerospace	325	343	389	334	395	350	423	394	496
Chemical	898	1,040	1,125	1,133	1,344	1,409	1,546	1,644	1,545
Civil	1,227	1,214	1,344	1,218	1,223	1,253	1,286	1,272	1,387
Electrical	2,449	2,488	2,772	2,899	3,110	3,602	4,033	4,350	4,641
Industrial	390	390	420	419	455	522	543	576	582
Materials	145	157	202	183	224	216	230	246	239
Mechanical	1,566	1,686	1,876	1,946	2,079	2,328	2,542	2,774	3,054
Other	1,658	1,763	1,819	1,946	1,904	2,141	2,191	2,309	2,344
Science	42,481	44,183	46,133	47,296	48,358	50,280	52,963	56,890	59,312
Natural sciences	22,949	24,620	26,165	27,624	29,244	31,435	33,863	37,272	39,503
Agricultural sciences	898	1,039	1,115	1,123	1,156	1,121	1,139	1,253	1,285

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Biological sciences	14,496	15,403	15,791	16,125	16,658	17,142	17,560	18,116	18,253
Earth, atmospheric, and ocean sciences	148	185	210	213	247	256	255	248	275
Atmospheric sciences	11	19	13	16	22	22	24	13	17
Earth sciences	129	150	188	180	213	227	225	223	243
Oceanography	8	16	9	17	12	7	6	12	15
Mathematics and computer sciences	5,244	5,668	6,619	7,564	8,670	10,423	12,408	15,084	17,247
Computer sciences	3,439	3,823	4,520	5,364	6,326	7,933	9,713	11,898	13,922
Mathematics and statistics	1,805	1,845	2,099	2,200	2,344	2,490	2,695	3,186	3,325
Physical sciences	2,163	2,325	2,430	2,599	2,513	2,493	2,501	2,571	2,443
Astronomy	20	33	32	38	27	37	36	38	43
Chemistry	1,769	1,856	1,931	2,099	1,980	1,952	1,962	1,936	1,803
Physics	339	377	425	402	462	466	470	555	568
Other physical sciences	35	59	42	60	44	38	33	42	29
Social and behavioral sciences	19,532	19,563	19,968	19,672	19,114	18,845	19,100	19,618	19,809
Psychology	6,207	6,678	6,973	7,099	6,940	7,082	7,254	7,328	7,322
Social sciences	13,325	12,885	12,995	12,573	12,174	11,763	11,846	12,290	12,487
Anthropology	657	678	737	714	620	576	569	572	501
Area and ethnic studies	809	883	819	714	638	596	580	549	596
Economics	4,424	4,151	4,112	4,161	4,248	4,253	4,382	4,600	4,524
History of science	13	13	13	15	9	12	16	17	12
Linguistics	193	219	213	223	236	220	252	238	290
Political science and public administration	3,690	3,533	3,576	3,317	3,154	2,896	2,826	2,998	3,173
Sociology	1,808	1,750	1,801	1,753	1,686	1,594	1,559	1,614	1,653
Other social sciences	1,731	1,658	1,724	1,676	1,583	1,616	1,662	1,702	1,738
Non-S&E	57,870	60,472	61,852	62,663	63,730	65,947	68,375	71,275	73,167
Black or African American									
All fields	161,005	172,869	179,517	180,812	182,778	185,880	188,414	188,072	189,471
S&E	46,341	49,696	52,165	52,647	53,649	54,432	55,651	56,084	57,187
Engineering	3,097	3,218	3,505	3,599	3,852	4,206	4,443	4,788	4,971
Aerospace	88	73	91	82	113	116	116	106	126
Chemical	288	337	359	390	401	449	492	538	472
Civil	510	513	542	534	575	588	607	624	656
Electrical	980	996	1,147	1,147	1,154	1,182	1,269	1,379	1,391
Industrial	245	258	236	255	273	303	317	324	329
Materials	29	36	33	39	41	47	45	39	55
Mechanical	585	610	694	668	793	912	1,003	1,109	1,214

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other	372	395	403	484	502	609	594	669	728
Science	43,244	46,478	48,660	49,048	49,797	50,226	51,208	51,296	52,216
Natural sciences	13,721	15,016	16,143	16,472	17,286	17,795	18,963	19,620	20,933
Agricultural sciences	575	704	744	852	856	932	982	1,024	1,076
Biological sciences	6,677	7,073	7,494	7,663	8,250	8,804	9,344	9,365	9,882
Earth, atmospheric, and ocean sciences	105	119	134	143	166	155	165	207	201
Atmospheric sciences	23	18	21	19	14	22	14	34	25
Earth sciences	76	95	106	116	143	125	145	168	171
Oceanography	6	6	7	8	9	8	6	5	5
Mathematics and computer sciences	5,239	5,815	6,512	6,494	6,762	6,665	7,103	7,647	8,429
Computer sciences	4,418	4,851	5,497	5,472	5,746	5,658	6,068	6,558	7,362
Mathematics and statistics	821	964	1,015	1,022	1,016	1,007	1,035	1,089	1,067
Physical sciences	1,125	1,305	1,259	1,320	1,252	1,239	1,369	1,377	1,345
Astronomy	5	3	5	3	10	10	11	8	15
Chemistry	918	1,101	1,044	1,068	1,009	963	1,084	1,123	1,042
Physics	149	142	148	195	172	217	224	210	247
Other physical sciences	53	59	62	54	61	49	50	36	41
Social and behavioral sciences	29,523	31,462	32,517	32,576	32,511	32,431	32,245	31,676	31,283
Psychology	11,643	12,712	13,413	13,617	14,022	14,187	14,256	13,936	14,018
Social sciences	17,880	18,750	19,104	18,959	18,489	18,244	17,989	17,740	17,265
Anthropology	495	500	506	515	467	499	469	430	459
Area and ethnic studies	1,211	1,076	917	963	925	933	965	935	992
Economics	1,414	1,380	1,437	1,428	1,648	1,512	1,612	1,579	1,624
History of science	7	20	9	8	11	8	10	21	24
Linguistics	60	84	80	85	69	114	103	109	111
Political science and public administration	5,844	6,342	6,664	6,600	6,369	6,230	6,235	6,277	6,178
Sociology	5,271	5,457	5,448	5,482	5,336	5,060	4,865	4,738	4,506
Other social sciences	3,578	3,891	4,043	3,878	3,664	3,888	3,730	3,651	3,371
Non-S&E	114,664	123,173	127,352	128,165	129,129	131,448	132,763	131,988	132,284
Native Hawaiian or Other Pacific Islander									
All fields	4,205	4,546	4,958	5,139	4,987	4,732	4,621	4,455	4,608
S&E	1,240	1,485	1,549	1,568	1,611	1,436	1,421	1,379	1,413
Engineering	117	162	187	183	141	160	156	171	163
Aerospace	3	5	5	6	4	7	7	3	4
Chemical	5	9	9	9	11	11	15	6	10
Civil	36	55	45	40	32	36	24	31	27

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Electrical	29	34	49	34	35	36	38	41	42
Industrial	0	5	12	8	5	5	12	11	9
Materials	2	3	3	3	1	4	3	3	4
Mechanical	29	34	40	53	33	37	35	48	39
Other	13	17	24	30	20	24	22	28	28
Science	1,123	1,323	1,362	1,385	1,470	1,276	1,265	1,208	1,250
Natural sciences	440	528	567	604	641	567	543	564	572
Agricultural sciences	38	48	63	76	89	51	61	60	46
Biological sciences	220	261	250	269	291	244	246	249	256
Earth, atmospheric, and ocean sciences	8	8	13	10	9	7	10	12	11
Atmospheric sciences	0	1	2	1	2	1	1	1	1
Earth sciences	8	7	10	8	6	5	9	11	9
Oceanography	0	0	1	1	1	1	0	0	1
Mathematics and computer sciences	138	183	197	213	215	225	204	203	223
Computer sciences	101	145	159	179	180	194	180	162	196
Mathematics and statistics	37	38	38	34	35	31	24	41	27
Physical sciences	36	28	44	36	37	40	22	40	36
Astronomy	0	0	0	0	0	1	1	0	3
Chemistry	27	21	29	23	26	24	17	31	25
Physics	8	5	14	5	9	11	4	9	8
Other physical sciences	1	2	1	8	2	4	0	0	0
Social and behavioral sciences	683	795	795	781	829	709	722	644	678
Psychology	206	238	272	275	297	266	294	239	261
Social sciences	477	557	523	506	532	443	428	405	417
Anthropology	25	33	24	39	30	31	13	18	28
Area and ethnic studies	38	43	44	40	41	31	37	22	28
Economics	65	53	48	46	57	39	54	45	49
History of science	0	0	0	0	1	0	0	0	0
Linguistics	3	3	4	5	8	6	3	4	4
Political science and public administration	158	188	165	182	162	146	167	135	132
Sociology	99	109	95	94	115	88	67	100	77
Other social sciences	89	128	143	100	118	102	87	81	99
Non-S&E	2,965	3,061	3,409	3,571	3,376	3,296	3,200	3,076	3,195
White									
All fields	1,102,792	1,133,084	1,150,239	1,154,363	1,150,065	1,145,220	1,148,033	1,147,499	1,146,775
S&E	338,461	354,806	365,827	372,882	373,795	374,883	377,509	382,555	384,400

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Engineering	49,401	52,352	54,344	57,811	60,596	64,576	68,656	71,449	73,097
Aerospace	2,257	2,379	2,254	2,297	2,484	2,456	2,471	2,589	2,967
Chemical	4,699	5,009	5,346	5,817	6,507	7,131	7,804	7,920	7,487
Civil	9,982	10,263	10,378	10,060	9,692	9,826	9,740	10,172	10,487
Electrical	8,635	9,114	9,525	10,274	10,884	11,658	12,577	12,822	13,480
Industrial	2,482	2,692	2,773	3,097	3,377	3,605	3,847	4,082	4,192
Materials	776	846	944	940	1,060	1,127	1,194	1,164	1,192
Mechanical	13,568	14,426	15,113	16,664	17,626	19,145	20,672	22,111	22,617
Other	7,002	7,623	8,011	8,662	8,966	9,628	10,351	10,589	10,675
Science	289,060	302,454	311,483	315,071	313,199	310,307	308,853	311,106	311,303
Natural sciences	126,538	135,277	142,658	148,787	153,497	157,305	160,645	164,256	166,734
Agricultural sciences	17,967	19,635	21,392	22,145	22,454	23,022	23,177	23,884	24,143
Biological sciences	55,171	58,368	60,732	63,320	65,376	66,726	67,048	67,176	67,032
Earth, atmospheric, and ocean sciences	4,256	4,713	4,970	5,211	5,492	5,493	5,439	5,383	4,914
Atmospheric sciences	575	620	619	608	593	576	546	573	485
Earth sciences	3,509	3,917	4,161	4,417	4,704	4,760	4,738	4,680	4,282
Oceanography	172	176	190	186	195	157	155	130	147
Mathematics and computer sciences	36,921	39,703	42,230	44,344	46,298	48,214	51,014	54,072	57,133
Computer sciences	25,293	27,128	29,031	31,206	33,112	34,904	37,470	40,196	43,015
Mathematics and statistics	11,628	12,575	13,199	13,138	13,186	13,310	13,544	13,876	14,118
Physical sciences	12,223	12,858	13,334	13,767	13,877	13,850	13,967	13,741	13,512
Astronomy	272	291	249	291	275	288	348	384	408
Chemistry	7,821	8,181	8,287	8,489	8,510	8,449	8,522	8,183	7,981
Physics	3,734	3,917	4,285	4,438	4,612	4,712	4,683	4,808	4,758
Other physical sciences	396	469	513	549	480	401	414	366	365
Social and behavioral sciences	162,522	167,177	168,825	166,284	159,702	153,002	148,208	146,850	144,569
Psychology	62,207	65,884	68,542	68,565	66,908	64,829	62,733	61,251	60,320
Social sciences	100,315	101,293	100,283	97,719	92,794	88,173	85,475	85,599	84,249
Anthropology	6,658	7,428	7,662	7,307	6,426	5,626	5,106	5,119	4,870
Area and ethnic studies	3,512	3,431	3,386	3,041	2,792	2,685	2,368	2,311	2,289
Economics	16,466	15,758	15,600	16,295	17,324	17,600	17,481	18,090	17,620
History of science	93	68	74	89	87	74	68	43	48
Linguistics	1,107	1,270	1,327	1,312	1,286	1,264	1,209	1,208	1,188
Political science and public administration	36,325	36,019	34,702	33,911	31,940	30,629	30,198	30,709	31,513
Sociology	15,676	15,866	15,667	15,031	13,762	12,562	11,949	11,660	11,010
Other social sciences	20,478	21,453	21,865	20,733	19,177	17,733	17,096	16,459	15,711

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Non-S&E	764,331	778,278	784,412	781,481	776,270	770,337	770,524	764,944	762,375
More than one race									
All fields	19,451	25,475	32,310	43,043	51,507	58,925	63,890	68,122	71,066
S&E	7,168	9,613	12,149	16,956	20,135	23,005	24,964	26,856	28,145
Engineering	888	1,125	1,422	2,116	2,707	3,323	3,736	4,071	4,438
Aerospace	31	57	73	93	117	133	169	155	195
Chemical	98	100	110	192	272	360	395	402	429
Civil	164	177	258	312	396	448	489	498	527
Electrical	187	215	292	465	556	705	829	890	1,000
Industrial	49	60	50	90	135	165	188	183	217
Materials	10	28	26	40	54	92	76	80	84
Mechanical	197	284	358	545	724	864	992	1,189	1,239
Other	152	204	255	379	453	556	598	674	747
Science	6,280	8,488	10,727	14,840	17,428	19,682	21,228	22,785	23,707
Natural sciences	2,390	3,274	4,292	6,270	7,750	9,100	10,037	11,222	11,916
Agricultural sciences	226	378	541	722	830	1,018	1,086	1,258	1,309
Biological sciences	1,142	1,593	2,047	3,030	3,878	4,263	4,699	5,100	5,242
Earth, atmospheric, and ocean sciences	65	102	116	162	199	228	261	314	304
Atmospheric sciences	2	6	13	15	19	20	18	27	28
Earth sciences	58	88	97	131	169	195	229	278	259
Oceanography	5	8	6	16	11	13	14	9	17
Mathematics and computer sciences	706	892	1,206	1,745	2,173	2,762	3,111	3,598	4,126
Computer sciences	496	655	864	1,238	1,569	2,075	2,343	2,775	3,236
Mathematics and statistics	210	237	342	507	604	687	768	823	890
Physical sciences	251	309	382	611	670	829	880	952	935
Astronomy	8	6	10	18	15	26	37	37	41
Chemistry	152	208	250	397	422	513	531	579	578
Physics	82	86	109	178	217	265	296	311	295
Other physical sciences	9	9	13	18	16	25	16	25	21
Social and behavioral sciences	3,890	5,214	6,435	8,570	9,678	10,582	11,191	11,563	11,791
Psychology	1,488	1,921	2,412	3,319	3,817	4,193	4,418	4,610	4,735
Social sciences	2,402	3,293	4,023	5,251	5,861	6,389	6,773	6,953	7,056
Anthropology	192	291	360	497	460	484	497	468	489
Area and ethnic studies	216	244	312	340	343	354	422	409	401
Economics	356	435	504	691	917	952	1,095	1,162	1,161
History of science	4	5	4	4	5	6	6	7	8

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Linguistics	40	52	61	102	118	128	134	120	102
Political science and public administration	772	1,131	1,312	1,670	1,848	2,067	2,191	2,252	2,391
Sociology	443	576	733	943	1,049	1,166	1,134	1,203	1,182
Other social sciences	379	559	737	1,004	1,121	1,232	1,294	1,332	1,322
Non-S&E	12,283	15,862	20,161	26,087	31,372	35,920	38,926	41,266	42,921
Other or unknown race or ethnicity									
All fields	114,011	114,652	105,490	96,143	91,734	80,631	75,205	67,176	70,099
S&E	34,352	35,245	32,010	28,813	26,961	23,937	23,147	20,325	21,424
Engineering	4,048	3,512	3,397	3,303	3,045	3,122	3,425	3,092	3,357
Aerospace	160	125	107	101	78	86	116	112	131
Chemical	276	313	293	357	278	328	348	333	307
Civil	845	597	629	540	461	444	475	391	395
Electrical	903	768	752	799	756	778	842	787	803
Industrial	208	147	141	149	147	144	178	163	177
Materials	55	76	38	54	44	36	52	36	59
Mechanical	1,045	940	908	918	870	898	962	862	988
Other	556	546	529	385	411	408	452	408	497
Science	30,304	31,733	28,613	25,510	23,916	20,815	19,722	17,233	18,067
Natural sciences	12,568	13,047	12,234	11,245	10,705	9,683	9,482	8,515	9,340
Agricultural sciences	1,295	1,262	1,199	1,133	1,029	981	934	838	919
Biological sciences	4,860	4,859	4,740	4,159	4,030	3,450	3,341	2,936	3,145
Earth, atmospheric, and ocean sciences	299	252	244	227	240	225	214	182	157
Atmospheric sciences	31	23	27	18	20	18	17	12	16
Earth sciences	261	225	209	204	219	197	191	167	138
Oceanography	7	4	8	5	1	10	6	3	3
Mathematics and computer sciences	4,974	5,558	5,048	4,911	4,626	4,278	4,282	3,989	4,541
Computer sciences	4,046	4,623	4,147	4,105	3,814	3,495	3,415	3,265	3,784
Mathematics and statistics	928	935	901	806	812	783	867	724	757
Physical sciences	1,140	1,116	1,003	815	780	749	711	570	578
Astronomy	16	27	13	15	12	17	12	13	9
Chemistry	620	637	617	509	480	431	421	337	360
Physics	347	367	326	261	257	248	239	195	188
Other physical sciences	157	85	47	30	31	53	39	25	21
Social and behavioral sciences	17,736	18,686	16,379	14,265	13,211	11,132	10,240	8,718	8,727
Psychology	5,823	6,273	5,471	4,830	4,827	4,243	4,145	3,477	3,518
Social sciences	11,913	12,413	10,908	9,435	8,384	6,889	6,095	5,241	5,209

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Anthropology	739	773	641	504	406	315	210	236	220
Area and ethnic studies	450	525	412	274	247	221	196	170	145
Economics	2,016	1,761	1,490	1,329	1,338	1,251	1,260	1,009	1,126
History of science	7	6	10	4	4	2	1	5	3
Linguistics	139	153	143	106	126	94	80	75	56
Political science and public administration	4,453	4,690	4,082	3,494	3,020	2,226	2,042	1,717	1,758
Sociology	1,653	1,574	1,391	1,182	1,147	907	849	665	681
Other social sciences	2,456	2,931	2,739	2,542	2,096	1,873	1,457	1,364	1,220
Non-S&E	79,659	79,407	73,480	67,330	64,773	56,694	52,058	46,851	48,675
Temporary visa holder									
All fields	52,694	59,583	64,901	69,483	75,639	84,307	91,428	98,289	101,884
S&E	20,798	23,882	26,523	29,304	32,639	37,154	41,714	46,768	49,721
Engineering	5,251	6,331	6,747	7,556	8,555	10,117	11,809	13,320	13,746
Aerospace	245	267	273	296	272	300	297	318	309
Chemical	764	899	1,003	1,063	1,170	1,332	1,539	1,793	1,702
Civil	559	709	803	950	1,062	1,308	1,504	1,687	1,808
Electrical	1,699	1,999	2,016	2,161	2,510	2,820	3,093	3,480	3,585
Industrial	446	581	584	684	756	885	1,023	1,082	1,168
Materials	70	80	120	149	162	222	241	218	220
Mechanical	880	1,119	1,259	1,470	1,755	2,215	2,923	3,385	3,567
Other	588	677	689	783	868	1,035	1,189	1,357	1,387
Science	15,547	17,551	19,776	21,748	24,084	27,037	29,905	33,448	35,975
Natural sciences	7,509	8,577	9,598	10,373	11,586	13,477	15,784	18,411	20,616
Agricultural sciences	342	374	515	569	604	663	714	853	939
Biological sciences	2,781	2,870	3,040	2,919	3,035	3,400	3,691	4,041	4,311
Earth, atmospheric, and ocean sciences	122	116	181	226	219	243	254	318	332
Atmospheric sciences	5	9	16	15	13	15	17	11	13
Earth sciences	117	104	162	207	206	218	233	300	315
Oceanography	0	3	3	4	0	10	4	7	4
Mathematics and computer sciences	3,384	4,252	4,774	5,522	6,503	7,854	9,627	11,602	13,268
Computer sciences	2,028	2,362	2,382	2,819	3,369	4,086	5,141	6,797	7,967
Mathematics and statistics	1,356	1,890	2,392	2,703	3,134	3,768	4,486	4,805	5,301
Physical sciences	880	965	1,088	1,137	1,225	1,317	1,498	1,597	1,766
Astronomy	16	8	12	28	16	29	36	44	50
Chemistry	573	599	693	745	762	820	893	894	947
Physics	255	326	349	331	414	441	550	639	747

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other physical sciences	36	32	34	33	33	27	19	20	22
Social and behavioral sciences	8,038	8,974	10,178	11,375	12,498	13,560	14,121	15,037	15,359
Psychology	1,676	2,006	2,229	2,460	2,557	2,896	3,057	3,260	3,429
Social sciences	6,362	6,968	7,949	8,915	9,941	10,664	11,064	11,777	11,930
Anthropology	98	122	105	151	137	140	136	162	176
Area and ethnic studies	210	230	198	254	243	277	305	364	317
Economics	3,323	3,785	4,539	5,164	5,907	6,390	6,564	6,807	6,960
History of science	1	1	2	3	2	3	2	3	7
Linguistics	85	105	90	97	108	112	121	148	145
Political science and public administration	1,701	1,673	1,802	1,850	1,993	2,072	2,162	2,378	2,249
Sociology	371	439	485	547	584	621	701	753	866
Other social sciences	573	613	728	849	967	1,049	1,073	1,162	1,210
Non-S&E	31,896	35,701	38,378	40,179	43,000	47,153	49,714	51,521	52,163
Male									
All citizenships, races, and ethnicity									
All fields	740,357	772,597	794,852	809,453	820,426	829,783	842,623	852,790	865,611
S&E	275,258	291,890	305,777	318,015	327,122	335,274	346,087	356,484	364,648
Engineering	63,441	67,282	70,878	75,324	79,849	86,182	92,554	96,728	99,844
Aerospace	2,903	3,082	3,011	3,077	3,356	3,323	3,466	3,557	4,161
Chemical	5,228	5,809	6,260	6,729	7,651	8,465	9,258	9,491	8,923
Civil	11,562	11,747	12,226	11,850	11,595	11,818	11,959	12,248	12,825
Electrical	14,744	15,457	16,345	17,660	18,816	20,484	22,410	23,202	24,371
Industrial	3,129	3,413	3,497	3,869	4,176	4,485	4,809	5,071	5,258
Materials	819	954	1,018	1,101	1,214	1,355	1,376	1,304	1,379
Mechanical	17,262	18,351	19,613	21,572	23,299	25,583	28,077	30,495	31,443
Other	7,794	8,469	8,908	9,466	9,742	10,669	11,199	11,360	11,484
Science	211,817	224,608	234,899	242,691	247,273	249,092	253,533	259,756	264,804
Natural sciences	109,549	118,567	126,982	134,324	140,610	145,917	152,509	159,060	165,489
Agricultural sciences	10,904	11,616	12,783	13,271	13,226	13,606	13,784	13,993	13,969
Biological sciences	37,860	40,678	42,732	44,811	46,554	47,008	46,819	46,500	46,196
Earth, atmospheric, and ocean sciences	3,219	3,570	3,891	4,134	4,454	4,490	4,471	4,577	4,076
Atmospheric sciences	461	472	500	493	469	478	418	468	371
Earth sciences	2,650	2,978	3,270	3,508	3,835	3,911	3,958	4,034	3,601
Oceanography	108	120	121	133	150	101	95	75	104
Mathematics and computer sciences	46,162	50,566	54,647	58,701	62,660	66,955	73,382	79,941	87,257
Computer sciences	35,886	39,283	42,377	45,986	49,446	52,964	58,327	64,270	70,957

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mathematics and statistics	10,276	11,283	12,270	12,715	13,214	13,991	15,055	15,671	16,300
Physical sciences	11,404	12,137	12,929	13,407	13,716	13,858	14,053	14,049	13,991
Astronomy	228	239	229	259	249	313	360	383	403
Chemistry	6,560	6,984	7,306	7,585	7,561	7,552	7,651	7,360	7,185
Physics	4,220	4,495	4,945	5,097	5,462	5,621	5,663	5,964	6,069
Other physical sciences	396	419	449	466	444	372	379	342	334
Social and behavioral sciences	102,268	106,041	107,917	108,367	106,663	103,175	101,024	100,696	99,315
Psychology	23,401	25,601	27,044	27,554	27,080	26,577	25,696	24,873	24,582
Social sciences	78,867	80,440	80,873	80,813	79,583	76,598	75,328	75,823	74,733
Anthropology	2,998	3,201	3,361	3,219	2,814	2,511	2,331	2,334	2,279
Area and ethnic studies	2,763	2,715	2,598	2,421	2,242	2,181	2,042	2,048	2,016
Economics	20,826	20,677	20,849	21,823	23,684	23,932	24,296	25,054	24,794
History of science	60	49	42	52	59	49	54	47	40
Linguistics	573	689	692	708	700	684	696	702	700
Political science and public administration	28,975	29,287	28,771	28,178	27,024	25,426	24,797	25,159	25,572
Sociology	8,988	9,433	9,507	9,598	9,154	8,460	8,265	7,916	7,259
Other social sciences	13,684	14,389	15,053	14,814	13,906	13,355	12,847	12,563	12,073
Non-S&E	465,099	480,707	489,075	491,438	493,304	494,509	496,536	496,306	500,963
U.S. citizen or permanent resident									
All fields	714,163	742,895	762,482	774,290	781,745	785,845	794,082	800,241	811,236
S&E	263,363	278,193	290,700	301,187	308,195	313,654	321,258	328,578	335,079
Engineering	59,254	62,252	65,587	69,407	73,063	78,188	83,136	86,105	88,872
Aerospace	2,687	2,843	2,770	2,835	3,113	3,071	3,224	3,293	3,911
Chemical	4,689	5,177	5,576	6,008	6,844	7,549	8,204	8,213	7,698
Civil	11,135	11,215	11,635	11,136	10,785	10,827	10,826	10,954	11,461
Electrical	13,318	13,794	14,677	15,869	16,722	18,144	19,747	20,313	21,347
Industrial	2,778	2,968	3,060	3,360	3,600	3,829	4,046	4,238	4,353
Materials	767	898	935	991	1,098	1,198	1,209	1,160	1,213
Mechanical	16,475	17,361	18,506	20,270	21,745	23,623	25,480	27,491	28,302
Other	7,405	7,996	8,428	8,938	9,156	9,947	10,400	10,443	10,587
Science	204,109	215,941	225,113	231,780	235,132	235,466	238,122	242,473	246,207
Natural sciences	105,351	113,713	121,647	128,470	133,996	138,257	143,441	148,500	153,723
Agricultural sciences	10,750	11,461	12,583	13,044	12,991	13,328	13,489	13,629	13,598
Biological sciences	36,790	39,519	41,543	43,656	45,345	45,685	45,439	44,999	44,660
Earth, atmospheric, and ocean sciences	3,131	3,495	3,766	4,002	4,332	4,341	4,317	4,391	3,864
Atmospheric sciences	456	465	490	483	461	465	411	463	368

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Earth sciences	2,567	2,911	3,156	3,387	3,721	3,779	3,815	3,858	3,395
Oceanography	108	119	120	132	150	97	91	70	101
Mathematics and computer sciences	43,773	47,662	51,444	55,008	58,326	61,802	67,019	72,404	78,697
Computer sciences	34,253	37,409	40,478	43,803	46,860	49,862	54,420	59,334	65,261
Mathematics and statistics	9,520	10,253	10,966	11,205	11,466	11,940	12,599	13,070	13,436
Physical sciences	10,907	11,576	12,311	12,760	13,002	13,101	13,177	13,077	12,904
Astronomy	217	237	224	245	239	298	335	355	373
Chemistry	6,292	6,693	6,977	7,234	7,205	7,181	7,217	6,922	6,722
Physics	4,026	4,247	4,680	4,835	5,138	5,266	5,260	5,473	5,490
Other physical sciences	372	399	430	446	420	356	365	327	319
Social and behavioral sciences	98,758	102,228	103,466	103,310	101,136	97,209	94,681	93,973	92,484
Psychology	22,999	25,152	26,472	26,931	26,458	25,869	24,926	24,098	23,736
Social sciences	75,759	77,076	76,994	76,379	74,678	71,340	69,755	69,875	68,748
Anthropology	2,969	3,172	3,333	3,169	2,772	2,471	2,293	2,279	2,228
Area and ethnic studies	2,690	2,642	2,521	2,339	2,164	2,087	1,917	1,902	1,900
Economics	18,936	18,530	18,308	18,913	20,414	20,404	20,651	21,222	20,874
History of science	59	49	42	51	59	47	53	47	36
Linguistics	552	661	665	686	672	656	656	661	652
Political science and public administration	28,235	28,582	28,009	27,401	26,127	24,499	23,832	24,067	24,560
Sociology	8,866	9,297	9,361	9,406	8,973	8,272	7,992	7,664	6,986
Other social sciences	13,452	14,143	14,755	14,414	13,497	12,904	12,361	12,033	11,512
Non-S&E	450,800	464,702	471,782	473,103	473,550	472,191	472,824	471,663	476,157
Hispanic or Latino									
All fields	62,127	69,135	76,703	83,284	89,640	96,348	101,398	108,442	114,780
S&E	22,406	25,495	28,700	32,047	34,817	38,031	40,655	43,933	46,705
Engineering	4,910	5,562	6,184	7,030	7,751	8,821	9,742	10,346	11,429
Aerospace	187	234	241	294	322	362	354	390	518
Chemical	281	362	407	447	538	714	769	834	830
Civil	1,036	1,164	1,330	1,312	1,342	1,441	1,521	1,520	1,696
Electrical	1,372	1,492	1,583	1,905	2,021	2,285	2,597	2,667	2,937
Industrial	278	334	338	394	408	437	501	530	571
Materials	31	61	59	74	68	100	84	93	118
Mechanical	1,304	1,466	1,685	1,996	2,355	2,634	3,031	3,364	3,681
Other	421	449	541	608	697	848	885	948	1,078
Science	17,496	19,933	22,516	25,017	27,066	29,210	30,913	33,587	35,276
Natural sciences	7,913	9,098	10,474	12,100	13,317	14,918	16,230	17,954	19,452

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Agricultural sciences	518	595	719	788	845	1,019	1,110	1,104	1,241
Biological sciences	3,000	3,426	3,923	4,516	5,102	5,590	5,821	6,507	6,708
Earth, atmospheric, and ocean sciences	143	185	222	281	297	369	388	411	431
Atmospheric sciences	14	23	20	35	28	24	27	16	25
Earth sciences	126	156	195	238	256	338	349	387	393
Oceanography	3	6	7	8	13	7	12	8	13
Mathematics and computer sciences	3,541	4,116	4,643	5,437	5,926	6,652	7,479	8,309	9,342
Computer sciences	2,891	3,424	3,809	4,462	4,868	5,393	6,126	6,830	7,780
Mathematics and statistics	650	692	834	975	1,058	1,259	1,353	1,479	1,562
Physical sciences	711	776	967	1,078	1,147	1,288	1,432	1,623	1,730
Astronomy	18	11	24	23	23	25	39	39	46
Chemistry	441	484	551	648	663	745	856	912	934
Physics	230	258	349	365	420	488	509	631	698
Other physical sciences	22	23	43	42	41	30	28	41	52
Social and behavioral sciences	9,583	10,835	12,042	12,917	13,749	14,292	14,683	15,633	15,824
Psychology	2,507	2,909	3,432	3,876	4,121	4,377	4,416	4,808	4,827
Social sciences	7,076	7,926	8,610	9,041	9,628	9,915	10,267	10,825	10,997
Anthropology	293	341	428	440	416	427	409	410	432
Area and ethnic studies	377	413	382	391	331	411	379	380	402
Economics	1,278	1,411	1,517	1,633	1,950	2,009	2,193	2,502	2,498
History of science	6	4	1	4	6	2	5	2	5
Linguistics	46	69	65	87	90	98	119	124	112
Political science and public administration	2,730	3,001	3,302	3,302	3,505	3,378	3,562	3,718	3,934
Sociology	1,060	1,250	1,303	1,452	1,521	1,678	1,709	1,699	1,631
Other social sciences	1,286	1,437	1,612	1,732	1,809	1,912	1,891	1,990	1,983
Non-S&E	39,721	43,640	48,003	51,237	54,823	58,317	60,743	64,509	68,075
Not Hispanic or Latino									
All fields	652,036	673,760	685,779	691,006	692,105	689,497	692,684	691,799	696,456
S&E	240,957	252,698	262,000	269,140	273,378	275,623	280,603	284,645	288,374
Engineering	54,344	56,690	59,403	62,377	65,312	69,367	73,394	75,759	77,443
Aerospace	2,500	2,609	2,529	2,541	2,791	2,709	2,870	2,903	3,393
Chemical	4,408	4,815	5,169	5,561	6,306	6,835	7,435	7,379	6,868
Civil	10,099	10,051	10,305	9,824	9,443	9,386	9,305	9,434	9,765
Electrical	11,946	12,302	13,094	13,964	14,701	15,859	17,150	17,646	18,410
Industrial	2,500	2,634	2,722	2,966	3,192	3,392	3,545	3,708	3,782
Materials	736	837	876	917	1,030	1,098	1,125	1,067	1,095

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mechanical	15,171	15,895	16,821	18,274	19,390	20,989	22,449	24,127	24,621
Other	6,984	7,547	7,887	8,330	8,459	9,099	9,515	9,495	9,509
Science	186,613	196,008	202,597	206,763	208,066	206,256	207,209	208,886	210,931
Natural sciences	97,438	104,615	111,173	116,370	120,679	123,339	127,211	130,546	134,271
Agricultural sciences	10,232	10,866	11,864	12,256	12,146	12,309	12,379	12,525	12,357
Biological sciences	33,790	36,093	37,620	39,140	40,243	40,095	39,618	38,492	37,952
Earth, atmospheric, and ocean sciences	2,988	3,310	3,544	3,721	4,035	3,972	3,929	3,980	3,433
Atmospheric sciences	442	442	470	448	433	441	384	447	343
Earth sciences	2,441	2,755	2,961	3,149	3,465	3,441	3,466	3,471	3,002
Oceanography	105	113	113	124	137	90	79	62	88
Mathematics and computer sciences	40,232	43,546	46,801	49,571	52,400	55,150	59,540	64,095	69,355
Computer sciences	31,362	33,985	36,669	39,341	41,992	44,469	48,294	52,504	57,481
Mathematics and statistics	8,870	9,561	10,132	10,230	10,408	10,681	11,246	11,591	11,874
Physical sciences	10,196	10,800	11,344	11,682	11,855	11,813	11,745	11,454	11,174
Astronomy	199	226	200	222	216	273	296	316	327
Chemistry	5,851	6,209	6,426	6,586	6,542	6,436	6,361	6,010	5,788
Physics	3,796	3,989	4,331	4,470	4,718	4,778	4,751	4,842	4,792
Other physical sciences	350	376	387	404	379	326	337	286	267
Social and behavioral sciences	89,175	91,393	91,424	90,393	87,387	82,917	79,998	78,340	76,660
Psychology	20,492	22,243	23,040	23,055	22,337	21,492	20,510	19,290	18,909
Social sciences	68,683	69,150	68,384	67,338	65,050	61,425	59,488	59,050	57,751
Anthropology	2,676	2,831	2,905	2,729	2,356	2,044	1,884	1,869	1,796
Area and ethnic studies	2,313	2,229	2,139	1,948	1,833	1,676	1,538	1,522	1,498
Economics	17,658	17,119	16,791	17,280	18,464	18,395	18,458	18,720	18,376
History of science	53	45	41	47	53	45	48	45	31
Linguistics	506	592	600	599	582	558	537	537	540
Political science and public administration	25,505	25,581	24,707	24,099	22,622	21,121	20,270	20,349	20,626
Sociology	7,806	8,047	8,058	7,954	7,452	6,594	6,283	5,965	5,355
Other social sciences	12,166	12,706	13,143	12,682	11,688	10,992	10,470	10,043	9,529
Non-S&E	411,079	421,062	423,779	421,866	418,727	413,874	412,081	407,154	408,082
American Indian or Alaska Native									
All fields	4,468	4,181	4,342	3,944	3,856	3,650	3,573	3,378	3,300
S&E	1,560	1,494	1,555	1,429	1,352	1,306	1,282	1,260	1,173
Engineering	239	240	276	238	240	249	236	269	239
Aerospace	14	14	7	7	9	6	8	5	8
Chemical	17	20	23	23	25	28	28	32	20

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Civil	63	47	60	51	34	49	45	40	36
Electrical	50	47	57	50	44	39	42	63	42
Industrial	5	8	15	5	13	7	15	13	12
Materials	0	3	1	1	1	3	3	2	4
Mechanical	68	69	73	64	83	79	60	86	84
Other	22	32	40	37	31	38	35	28	33
Science	1,321	1,254	1,279	1,191	1,112	1,057	1,046	991	934
Natural sciences	632	604	633	609	599	551	572	564	555
Agricultural sciences	84	93	102	87	93	92	100	98	94
Biological sciences	230	215	217	189	171	166	167	179	165
Earth, atmospheric, and ocean sciences	15	29	16	22	27	20	22	28	17
Atmospheric sciences	1	3	4	1	3	1	2	1	1
Earth sciences	14	26	12	21	23	19	18	26	16
Oceanography	0	0	0	0	1	0	2	1	0
Mathematics and computer sciences	238	218	249	255	262	216	244	218	223
Computer sciences	190	181	200	221	219	182	198	188	197
Mathematics and statistics	48	37	49	34	43	34	46	30	26
Physical sciences	65	49	49	56	46	57	39	41	56
Astronomy	1	2	3	0	0	0	1	0	1
Chemistry	40	27	28	31	35	35	22	30	29
Physics	23	19	17	22	9	20	13	11	21
Other physical sciences	1	1	1	3	2	2	3	0	5
Social and behavioral sciences	689	650	646	582	513	506	474	427	379
Psychology	138	181	173	167	148	136	142	134	121
Social sciences	551	469	473	415	365	370	332	293	258
Anthropology	34	34	38	22	25	18	16	17	13
Area and ethnic studies	79	57	77	54	62	73	63	70	47
Economics	87	59	65	55	64	61	39	47	38
History of science	0	1	0	0	0	0	0	0	0
Linguistics	5	4	4	3	6	2	3	2	3
Political science and public administration	182	144	145	139	97	96	101	69	71
Sociology	62	67	61	65	45	60	50	37	35
Other social sciences	102	103	83	77	66	60	60	51	51
Non-S&E	2,908	2,687	2,787	2,515	2,504	2,344	2,291	2,118	2,127
Asian									
All fields	49,968	51,949	54,252	54,635	56,028	58,571	60,917	63,987	66,518

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
S&E	26,161	27,269	29,133	29,789	30,821	32,807	34,537	36,868	38,867
Engineering	6,680	6,996	7,712	7,718	8,184	8,852	9,439	9,848	10,381
Aerospace	280	294	328	299	340	302	358	327	424
Chemical	566	669	745	755	914	895	972	996	997
Civil	896	884	969	860	852	841	850	831	906
Electrical	2,148	2,155	2,386	2,465	2,654	3,023	3,360	3,570	3,784
Industrial	269	275	321	305	336	358	344	365	367
Materials	108	102	130	117	155	148	141	144	156
Mechanical	1,323	1,413	1,625	1,656	1,738	1,952	2,077	2,252	2,426
Other	1,090	1,204	1,208	1,261	1,195	1,333	1,337	1,363	1,321
Science	19,481	20,273	21,421	22,071	22,637	23,955	25,098	27,020	28,486
Natural sciences	11,654	12,436	13,552	14,363	15,322	16,689	17,974	19,741	21,094
Agricultural sciences	361	406	381	427	410	422	418	441	419
Biological sciences	6,268	6,599	6,806	6,908	7,139	7,194	7,158	7,075	7,083
Earth, atmospheric, and ocean sciences	72	105	127	113	150	132	142	139	125
Atmospheric sciences	8	14	8	11	13	18	17	9	11
Earth sciences	61	80	113	96	130	113	122	125	108
Oceanography	3	11	6	6	7	1	3	5	6
Mathematics and computer sciences	3,823	4,073	4,891	5,533	6,278	7,548	8,933	10,748	12,163
Computer sciences	2,749	2,988	3,617	4,197	4,899	6,078	7,333	8,865	10,209
Mathematics and statistics	1,074	1,085	1,274	1,336	1,379	1,470	1,600	1,883	1,954
Physical sciences	1,130	1,253	1,347	1,382	1,345	1,393	1,323	1,338	1,304
Astronomy	12	21	16	29	15	26	25	19	25
Chemistry	852	904	979	1,003	949	968	915	884	840
Physics	253	297	328	323	358	379	363	410	426
Other physical sciences	13	31	24	27	23	20	20	25	13
Social and behavioral sciences	7,827	7,837	7,869	7,708	7,315	7,266	7,124	7,279	7,392
Psychology	1,755	1,920	1,992	2,010	1,876	1,985	1,852	1,840	1,909
Social sciences	6,072	5,917	5,877	5,698	5,439	5,281	5,272	5,439	5,483
Anthropology	201	185	197	202	177	149	153	158	139
Area and ethnic studies	267	276	287	232	224	176	185	189	203
Economics	2,665	2,561	2,467	2,470	2,514	2,546	2,566	2,684	2,693
History of science	6	7	3	3	4	1	7	7	3
Linguistics	54	71	61	60	68	58	59	62	91
Political science and public administration	1,654	1,595	1,574	1,463	1,343	1,190	1,149	1,197	1,216
Sociology	524	554	613	588	530	533	509	507	473

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Other social sciences	701	668	675	680	579	628	644	635	665
Non-S&E	23,807	24,680	25,119	24,846	25,207	25,764	26,380	27,119	27,651
Black or African American									
All fields	55,004	59,258	63,172	64,424	65,589	66,655	67,573	67,693	68,095
S&E	16,869	18,104	19,747	20,049	20,804	20,732	21,435	21,725	22,368
Engineering	2,288	2,356	2,650	2,666	2,879	3,152	3,324	3,526	3,648
Aerospace	75	58	78	71	87	90	95	86	103
Chemical	174	198	228	245	268	285	305	332	276
Civil	365	367	402	380	412	407	433	421	467
Electrical	799	803	955	957	960	990	1,063	1,152	1,160
Industrial	151	180	153	172	166	203	220	211	222
Materials	15	22	14	25	20	30	27	26	24
Mechanical	480	494	572	542	659	753	822	907	977
Other	229	234	248	274	307	394	359	391	419
Science	14,581	15,748	17,097	17,383	17,925	17,580	18,111	18,199	18,720
Natural sciences	6,251	6,827	7,705	7,812	8,366	8,338	8,860	9,195	9,843
Agricultural sciences	259	274	298	333	337	336	346	413	383
Biological sciences	1,943	2,100	2,299	2,326	2,588	2,638	2,787	2,705	2,778
Earth, atmospheric, and ocean sciences	65	60	72	81	99	79	98	116	113
Atmospheric sciences	18	9	16	12	10	12	8	20	15
Earth sciences	43	47	53	61	84	65	87	95	96
Oceanography	4	4	3	8	5	2	3	1	2
Mathematics and computer sciences	3,505	3,886	4,506	4,509	4,784	4,730	5,035	5,405	5,986
Computer sciences	3,096	3,387	4,006	4,009	4,284	4,224	4,503	4,833	5,434
Mathematics and statistics	409	499	500	500	500	506	532	572	552
Physical sciences	479	507	530	563	558	555	594	556	583
Astronomy	5	2	4	1	9	6	8	5	10
Chemistry	337	384	374	393	395	363	389	372	363
Physics	111	99	119	143	125	161	168	161	189
Other physical sciences	26	22	33	26	29	25	29	18	21
Social and behavioral sciences	8,330	8,921	9,392	9,571	9,559	9,242	9,251	9,004	8,877
Psychology	2,194	2,436	2,761	2,739	2,906	2,858	2,920	2,781	2,793
Social sciences	6,136	6,485	6,631	6,832	6,653	6,384	6,331	6,223	6,084
Anthropology	146	116	121	115	103	122	120	101	118
Area and ethnic studies	411	350	295	344	282	300	282	287	321
Economics	893	906	942	935	1,095	1,010	1,059	1,036	1,038

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
History of science	2	5	4	2	5	3	3	11	6
Linguistics	13	22	25	26	13	28	27	25	30
Political science and public administration	2,134	2,289	2,390	2,428	2,362	2,245	2,173	2,188	2,156
Sociology	1,447	1,561	1,561	1,664	1,558	1,445	1,419	1,394	1,294
Other social sciences	1,090	1,236	1,293	1,318	1,235	1,231	1,248	1,181	1,121
Non-S&E	38,135	41,154	43,425	44,375	44,785	45,923	46,138	45,968	45,727
Native Hawaiian or Other Pacific Islander									
All fields	1,665	1,962	2,184	2,184	2,208	2,038	1,984	1,944	1,967
S&E	575	687	791	764	784	711	675	683	685
Engineering	91	125	150	147	108	123	115	137	126
Aerospace	2	4	5	5	3	7	4	2	4
Chemical	2	6	5	7	5	9	9	6	6
Civil	26	39	39	34	27	28	15	26	22
Electrical	24	29	44	30	30	28	33	35	38
Industrial	0	4	5	4	2	5	9	6	3
Materials	2	1	2	1	1	2	2	2	2
Mechanical	26	29	31	48	28	27	29	43	34
Other	9	13	19	18	12	17	14	17	17
Science	484	562	641	617	676	588	560	546	559
Natural sciences	240	270	325	307	364	330	312	294	319
Agricultural sciences	20	19	30	25	43	26	23	24	20
Biological sciences	88	107	107	101	146	114	109	83	101
Earth, atmospheric, and ocean sciences	7	7	7	8	3	4	3	7	7
Atmospheric sciences	0	1	2	0	0	0	0	1	0
Earth sciences	7	6	5	8	2	3	3	6	7
Oceanography	0	0	0	0	1	1	0	0	0
Mathematics and computer sciences	108	125	157	158	151	166	168	161	167
Computer sciences	87	106	134	142	133	145	151	135	151
Mathematics and statistics	21	19	23	16	18	21	17	26	16
Physical sciences	17	12	24	15	21	20	9	19	24
Astronomy	0	0	0	0	0	0	0	0	2
Chemistry	12	7	13	11	13	9	5	12	16
Physics	5	4	10	3	7	8	4	7	6
Other physical sciences	0	1	1	1	1	3	0	0	0
Social and behavioral sciences	244	292	316	310	312	258	248	252	240
Psychology	49	67	79	68	81	59	67	69	68

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Social sciences	195	225	237	242	231	199	181	183	172
Anthropology	7	9	9	15	10	12	4	4	9
Area and ethnic studies	14	19	19	20	21	16	16	5	11
Economics	45	38	35	34	43	28	37	35	32
History of science	0	0	0	0	0	0	0	0	0
Linguistics	0	0	1	2	4	4	3	1	2
Political science and public administration	53	77	73	82	52	65	58	62	51
Sociology	41	40	44	41	52	36	35	49	34
Other social sciences	35	42	56	48	49	38	28	27	33
Non-S&E	1,090	1,275	1,393	1,420	1,424	1,327	1,309	1,261	1,282
White									
All fields	484,214	497,174	503,572	506,959	503,620	499,486	499,897	497,796	496,864
S&E	175,430	183,549	189,700	195,076	196,930	197,291	199,159	201,236	201,125
Engineering	41,027	43,256	44,765	47,303	49,390	52,053	54,808	56,609	57,258
Aerospace	1,964	2,086	1,959	1,997	2,184	2,131	2,161	2,266	2,579
Chemical	3,377	3,625	3,886	4,168	4,719	5,153	5,607	5,546	5,115
Civil	7,970	8,137	8,184	7,909	7,492	7,411	7,288	7,526	7,688
Electrical	7,942	8,384	8,725	9,326	9,857	10,492	11,219	11,396	11,876
Industrial	1,876	2,022	2,097	2,299	2,479	2,611	2,708	2,883	2,915
Materials	562	636	689	704	785	824	872	822	816
Mechanical	12,177	12,816	13,420	14,688	15,540	16,713	17,849	19,132	19,300
Other	5,159	5,550	5,805	6,212	6,334	6,718	7,104	7,038	6,969
Science	134,403	140,293	144,935	147,773	147,540	145,238	144,351	144,627	143,867
Natural sciences	70,215	75,092	79,654	83,403	85,823	87,095	88,857	90,086	90,981
Agricultural sciences	8,864	9,361	10,273	10,595	10,487	10,610	10,667	10,717	10,512
Biological sciences	22,772	24,367	25,417	26,705	27,073	26,955	26,300	25,484	24,838
Earth, atmospheric, and ocean sciences	2,622	2,919	3,110	3,284	3,480	3,461	3,387	3,410	2,921
Atmospheric sciences	397	397	413	403	382	386	338	394	291
Earth sciences	2,133	2,430	2,604	2,785	2,983	3,001	2,986	2,968	2,558
Oceanography	92	92	93	96	115	74	63	48	72
Mathematics and computer sciences	28,304	30,321	32,301	34,024	35,796	37,236	39,666	41,883	44,366
Computer sciences	21,668	23,128	24,743	26,479	28,160	29,463	31,591	33,717	36,001
Mathematics and statistics	6,636	7,193	7,558	7,545	7,636	7,773	8,075	8,166	8,365
Physical sciences	7,653	8,124	8,553	8,795	8,987	8,833	8,837	8,592	8,344
Astronomy	164	181	164	177	175	215	239	253	263
Chemistry	4,204	4,465	4,585	4,668	4,678	4,573	4,555	4,261	4,092

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Physics	3,060	3,215	3,499	3,627	3,838	3,816	3,794	3,864	3,784
Other physical sciences	225	263	305	323	296	229	249	214	205
Social and behavioral sciences	64,188	65,201	65,281	64,370	61,717	58,143	55,494	54,541	52,886
Psychology	14,614	15,663	16,161	16,181	15,304	14,534	13,610	12,736	12,218
Social sciences	49,574	49,538	49,120	48,189	46,413	43,609	41,884	41,805	40,668
Anthropology	2,020	2,188	2,260	2,115	1,817	1,548	1,404	1,413	1,321
Area and ethnic studies	1,299	1,280	1,213	1,081	1,049	919	815	789	738
Economics	12,324	12,007	11,906	12,371	13,220	13,283	13,160	13,475	13,079
History of science	40	27	29	39	41	35	37	22	21
Linguistics	373	427	437	435	406	400	379	380	367
Political science and public administration	19,227	19,031	18,350	17,911	16,727	15,708	14,990	15,165	15,435
Sociology	5,065	5,125	5,110	4,919	4,538	3,858	3,650	3,411	3,002
Other social sciences	9,226	9,453	9,815	9,318	8,615	7,858	7,449	7,150	6,705
Non-S&E	308,784	313,625	313,872	311,883	306,690	302,195	300,738	296,560	295,739
More than one race									
All fields	7,586	10,224	13,195	17,164	21,095	24,028	25,969	27,827	29,103
S&E	3,219	4,397	5,516	7,588	9,387	10,696	11,715	12,441	13,052
Engineering	655	866	1,094	1,606	2,031	2,433	2,771	2,970	3,207
Aerospace	27	47	63	76	99	105	144	126	165
Chemical	63	65	70	111	179	233	274	250	256
Civil	116	126	179	208	276	307	326	326	354
Electrical	159	190	252	407	483	593	694	753	831
Industrial	30	41	31	64	88	106	127	109	134
Materials	6	20	20	25	34	65	48	45	52
Mechanical	160	244	306	463	576	692	791	963	973
Other	94	133	173	252	296	332	367	398	442
Science	2,564	3,531	4,422	5,982	7,356	8,263	8,944	9,471	9,845
Natural sciences	1,238	1,674	2,223	3,095	3,924	4,688	5,164	5,660	6,008
Agricultural sciences	92	149	240	252	308	362	408	445	496
Biological sciences	453	635	828	1,146	1,525	1,702	1,834	1,869	1,852
Earth, atmospheric, and ocean sciences	35	48	56	76	113	134	153	160	160
Atmospheric sciences	1	4	8	9	10	12	11	13	18
Earth sciences	31	40	43	57	95	115	137	140	136
Oceanography	3	4	5	10	8	7	5	7	6
Mathematics and computer sciences	512	667	871	1,266	1,576	1,989	2,266	2,620	2,986
Computer sciences	398	524	681	976	1,231	1,585	1,815	2,146	2,485

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Mathematics and statistics	114	143	190	290	345	404	451	474	501
Physical sciences	146	175	228	355	402	501	503	566	514
Astronomy	5	2	5	8	8	15	17	28	23
Chemistry	77	108	132	199	213	268	259	289	263
Physics	61	60	88	139	173	206	219	236	218
Other physical sciences	3	5	3	9	8	12	8	13	10
Social and behavioral sciences	1,326	1,857	2,199	2,887	3,432	3,575	3,780	3,811	3,837
Psychology	341	468	580	758	927	958	997	976	997
Social sciences	985	1,389	1,619	2,129	2,505	2,617	2,783	2,835	2,840
Anthropology	52	75	96	110	107	108	124	107	127
Area and ethnic studies	62	74	98	112	124	105	120	122	134
Economics	235	314	353	481	620	630	729	786	780
History of science	1	2	1	1	2	4	1	3	1
Linguistics	11	18	14	33	42	40	41	35	35
Political science and public administration	341	529	567	747	827	882	926	935	953
Sociology	137	157	197	286	340	366	342	344	320
Other social sciences	146	220	293	359	443	482	500	503	490
Non-S&E	4,367	5,827	7,679	9,576	11,708	13,332	14,254	15,386	16,051
Other or unknown race or ethnicity									
All fields	49,131	49,012	45,062	41,696	39,709	35,069	32,771	29,174	30,609
S&E	17,143	17,198	15,558	14,445	13,300	12,080	11,800	10,432	11,104
Engineering	3,364	2,851	2,756	2,699	2,480	2,505	2,701	2,400	2,584
Aerospace	138	106	89	86	69	68	100	91	110
Chemical	209	232	212	252	196	232	240	217	198
Civil	663	451	472	382	350	343	348	264	292
Electrical	824	694	675	729	673	694	739	677	679
Industrial	169	104	100	117	108	102	122	121	129
Materials	43	53	20	44	34	26	32	26	41
Mechanical	937	830	794	813	766	773	821	744	827
Other	381	381	394	276	284	267	299	260	308
Science	13,779	14,347	12,802	11,746	10,820	9,575	9,099	8,032	8,520
Natural sciences	7,208	7,712	7,081	6,781	6,281	5,648	5,472	5,006	5,471
Agricultural sciences	552	564	540	537	468	461	417	387	433
Biological sciences	2,036	2,070	1,946	1,765	1,601	1,326	1,263	1,097	1,135
Earth, atmospheric, and ocean sciences	172	142	156	137	163	142	124	120	90
Atmospheric sciences	17	14	19	12	15	12	8	9	7

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Earth sciences	152	126	131	121	148	125	113	111	81
Oceanography	3	2	6	4	0	5	3	0	2
Mathematics and computer sciences	3,742	4,256	3,826	3,826	3,553	3,265	3,228	3,060	3,464
Computer sciences	3,174	3,671	3,288	3,317	3,066	2,792	2,703	2,620	3,004
Mathematics and statistics	568	585	538	509	487	473	525	440	460
Physical sciences	706	680	613	516	496	454	440	342	349
Astronomy	12	18	8	7	9	11	6	11	3
Chemistry	329	314	315	281	259	220	216	162	185
Physics	283	295	270	213	208	188	190	153	148
Other physical sciences	82	53	20	15	20	35	28	16	13
Social and behavioral sciences	6,571	6,635	5,721	4,965	4,539	3,927	3,627	3,026	3,049
Psychology	1,401	1,508	1,294	1,132	1,095	962	922	754	803
Social sciences	5,170	5,127	4,427	3,833	3,444	2,965	2,705	2,272	2,246
Anthropology	216	224	184	150	117	87	63	69	69
Area and ethnic studies	181	173	150	105	71	87	57	60	44
Economics	1,409	1,234	1,023	934	908	837	868	657	716
History of science	4	3	4	2	1	2	0	2	0
Linguistics	50	50	58	40	43	26	25	32	12
Political science and public administration	1,914	1,916	1,608	1,329	1,214	935	873	733	744
Sociology	530	543	472	391	389	296	278	223	197
Other social sciences	866	984	928	882	701	695	541	496	464
Non-S&E	31,988	31,814	29,504	27,251	26,409	22,989	20,971	18,742	19,505
Temporary visa holder									
All fields	26,194	29,702	32,370	35,163	38,681	43,938	48,541	52,549	54,375
S&E	11,895	13,697	15,077	16,828	18,927	21,620	24,829	27,906	29,569
Engineering	4,187	5,030	5,291	5,917	6,786	7,994	9,418	10,623	10,972
Aerospace	216	239	241	242	243	252	242	264	250
Chemical	539	632	684	721	807	916	1,054	1,278	1,225
Civil	427	532	591	714	810	991	1,133	1,294	1,364
Electrical	1,426	1,663	1,668	1,791	2,094	2,340	2,663	2,889	3,024
Industrial	351	445	437	509	576	656	763	833	905
Materials	52	56	83	110	116	157	167	144	166
Mechanical	787	990	1,107	1,302	1,554	1,960	2,597	3,004	3,141
Other	389	473	480	528	586	722	799	917	897
Science	7,708	8,667	9,786	10,911	12,141	13,626	15,411	17,283	18,597
Natural sciences	4,198	4,854	5,335	5,854	6,614	7,660	9,068	10,560	11,766

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Agricultural sciences	154	155	200	227	235	278	295	364	371
Biological sciences	1,070	1,159	1,189	1,155	1,209	1,323	1,380	1,501	1,536
Earth, atmospheric, and ocean sciences	88	75	125	132	122	149	154	186	212
Atmospheric sciences	5	7	10	10	8	13	7	5	3
Earth sciences	83	67	114	121	114	132	143	176	206
Oceanography	0	1	1	1	0	4	4	5	3
Mathematics and computer sciences	2,389	2,904	3,203	3,693	4,334	5,153	6,363	7,537	8,560
Computer sciences	1,633	1,874	1,899	2,183	2,586	3,102	3,907	4,936	5,696
Mathematics and statistics	756	1,030	1,304	1,510	1,748	2,051	2,456	2,601	2,864
Physical sciences	497	561	618	647	714	757	876	972	1,087
Astronomy	11	2	5	14	10	15	25	28	30
Chemistry	268	291	329	351	356	371	434	438	463
Physics	194	248	265	262	324	355	403	491	579
Other physical sciences	24	20	19	20	24	16	14	15	15
Social and behavioral sciences	3,510	3,813	4,451	5,057	5,527	5,966	6,343	6,723	6,831
Psychology	402	449	572	623	622	708	770	775	846
Social sciences	3,108	3,364	3,879	4,434	4,905	5,258	5,573	5,948	5,985
Anthropology	29	29	28	50	42	40	38	55	51
Area and ethnic studies	73	73	77	82	78	94	125	146	116
Economics	1,890	2,147	2,541	2,910	3,270	3,528	3,645	3,832	3,920
History of science	1	0	0	1	0	2	1	0	4
Linguistics	21	28	27	22	28	28	40	41	48
Political science and public administration	740	705	762	777	897	927	965	1,092	1,012
Sociology	122	136	146	192	181	188	273	252	273
Other social sciences	232	246	298	400	409	451	486	530	561
Non-S&E	14,299	16,005	17,293	18,335	19,754	22,318	23,712	24,643	24,806
Female									
All citizenships, races, and ethnicity									
All fields	993,872	1,038,807	1,066,182	1,081,488	1,095,703	1,112,357	1,130,489	1,148,820	1,168,460
S&E	279,107	297,677	309,698	317,900	322,935	330,883	338,470	350,674	360,299
Engineering	14,658	15,981	16,934	18,626	20,057	22,794	25,373	27,600	29,341
Aerospace	439	463	479	488	515	551	555	575	664
Chemical	2,307	2,535	2,657	2,977	3,186	3,660	4,069	4,477	4,340
Civil	3,278	3,428	3,656	3,701	3,779	4,195	4,439	4,671	4,959
Electrical	1,741	1,923	2,067	2,331	2,541	2,932	3,305	3,716	4,014
Industrial	1,164	1,276	1,282	1,454	1,637	1,854	2,097	2,204	2,276

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Materials	321	368	430	412	473	536	592	624	643
Mechanical	2,208	2,538	2,687	3,107	3,443	4,006	4,670	5,092	5,768
Other	3,200	3,450	3,676	4,156	4,483	5,060	5,646	6,241	6,677
Science	264,449	281,696	292,764	299,274	302,878	308,089	313,097	323,074	330,958
Natural sciences	92,968	100,526	106,050	111,300	117,055	123,204	128,989	136,989	143,630
Agricultural sciences	11,855	13,444	14,826	15,525	16,234	16,934	17,305	18,469	19,503
Biological sciences	55,794	59,216	61,971	64,709	68,570	72,065	74,923	78,568	81,219
Earth, atmospheric, and ocean sciences	2,080	2,295	2,400	2,596	2,701	2,793	2,849	2,854	2,921
Atmospheric sciences	217	263	249	258	265	236	267	246	264
Earth sciences	1,760	1,926	2,032	2,216	2,327	2,425	2,462	2,502	2,546
Oceanography	103	106	119	122	109	132	120	106	111
Mathematics and computer sciences	15,445	17,287	18,506	19,655	20,785	22,524	24,555	27,491	30,416
Computer sciences	7,700	8,751	9,209	10,144	10,863	12,222	13,802	16,001	18,464
Mathematics and statistics	7,745	8,536	9,297	9,511	9,922	10,302	10,753	11,490	11,952
Physical sciences	7,794	8,284	8,347	8,815	8,765	8,888	9,357	9,607	9,571
Astronomy	136	153	128	170	144	140	176	208	239
Chemistry	6,328	6,730	6,718	7,097	7,108	7,120	7,472	7,588	7,453
Physics	1,001	1,062	1,162	1,186	1,219	1,347	1,454	1,570	1,634
Other physical sciences	329	339	339	362	294	281	255	241	245
Social and behavioral sciences	171,481	181,170	186,714	187,974	185,823	184,885	184,108	186,085	187,328
Psychology	78,167	84,181	88,329	90,851	91,688	92,069	91,745	92,701	93,056
Social sciences	93,314	96,989	98,385	97,123	94,135	92,816	92,363	93,384	94,272
Anthropology	7,024	7,927	8,175	8,083	7,351	6,819	6,235	6,287	6,106
Area and ethnic studies	5,054	5,145	4,987	4,683	4,378	4,420	4,391	4,372	4,476
Economics	9,187	8,780	9,185	9,762	10,660	11,113	11,342	11,848	11,991
History of science	78	73	77	81	72	62	63	53	72
Linguistics	1,235	1,420	1,492	1,517	1,575	1,605	1,603	1,603	1,616
Political science and public administration	30,777	31,514	31,473	31,082	29,790	29,396	30,078	30,646	31,735
Sociology	20,626	21,169	21,522	21,074	20,389	20,060	19,664	19,922	20,029
Other social sciences	19,333	20,961	21,474	20,841	19,920	19,341	18,987	18,653	18,247
Non-S&E	714,765	741,130	756,484	763,588	772,768	781,474	792,019	798,146	808,161
U.S. citizen or permanent resident									
All fields	967,372	1,008,926	1,033,651	1,047,168	1,058,745	1,071,988	1,087,602	1,103,080	1,120,951
S&E	270,204	287,492	298,252	305,424	309,223	315,349	321,585	331,812	340,147
Engineering	13,594	14,680	15,478	16,987	18,288	20,671	22,982	24,903	26,567
Aerospace	410	435	447	434	486	503	500	521	605



Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
All fields	97,809	107,584	118,216	128,426	137,260	148,733	156,797	168,987	179,757
S&E	29,015	32,670	37,026	41,132	44,386	48,248	50,895	55,959	59,632
Engineering	1,407	1,611	1,723	1,954	2,209	2,516	2,871	3,168	3,374
Aerospace	30	45	47	51	74	58	57	58	69
Chemical	197	244	231	267	276	353	381	454	450
Civil	392	422	472	513	545	602	692	664	745
Electrical	176	218	207	245	282	308	389	427	454
Industrial	185	206	205	211	238	262	276	302	272
Materials	19	30	22	30	31	41	40	45	46
Mechanical	212	246	285	349	410	464	520	638	707
Other	196	200	254	288	353	428	516	580	631
Science	27,608	31,059	35,303	39,178	42,177	45,732	48,024	52,791	56,258
Natural sciences	7,318	8,444	9,668	10,972	12,528	13,779	14,866	17,110	19,008
Agricultural sciences	718	812	1,096	1,195	1,391	1,551	1,681	1,957	2,319
Biological sciences	4,761	5,465	6,158	7,026	8,069	8,981	9,540	11,126	12,150
Earth, atmospheric, and ocean sciences	122	138	168	214	242	271	297	310	343
Atmospheric sciences	15	13	13	21	18	15	19	24	23
Earth sciences	97	118	148	184	210	240	270	280	310
Oceanography	10	7	7	9	14	16	8	6	10
Mathematics and computer sciences	1,150	1,377	1,580	1,787	1,923	2,126	2,393	2,617	3,063
Computer sciences	648	792	910	1,007	1,044	1,219	1,418	1,540	1,911
Mathematics and statistics	502	585	670	780	879	907	975	1,077	1,152
Physical sciences	567	652	666	750	903	850	955	1,100	1,133
Astronomy	8	10	7	13	15	20	15	28	24
Chemistry	499	568	553	625	753	710	785	891	917
Physics	46	56	77	81	108	97	126	155	169
Other physical sciences	14	18	29	31	27	23	29	26	23
Social and behavioral sciences	20,290	22,615	25,635	28,206	29,649	31,953	33,158	35,681	37,250
Psychology	9,160	10,450	11,957	13,704	14,678	15,944	16,259	18,118	18,647
Social sciences	11,130	12,165	13,678	14,502	14,971	16,009	16,899	17,563	18,603
Anthropology	763	859	966	1,063	1,132	1,167	1,096	1,146	1,169
Area and ethnic studies	808	848	912	914	898	923	1,028	1,102	1,154
Economics	557	636	688	763	871	949	936	1,045	1,157
History of science	7	4	6	5	6	4	9	2	4
Linguistics	119	147	189	201	222	245	268	275	303
Political science and public administration	3,692	3,892	4,305	4,633	4,563	4,934	5,271	5,402	5,796

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sociology	3,005	3,353	3,895	3,986	4,178	4,642	4,913	5,263	5,514
Other social sciences	2,179	2,426	2,717	2,937	3,101	3,145	3,378	3,328	3,506
Non-S&E	68,794	74,914	81,190	87,294	92,874	100,485	105,902	113,028	120,125
Not Hispanic or Latino									
All fields	869,563	901,342	915,435	918,742	921,485	923,255	930,805	934,093	941,194
S&E	241,189	254,822	261,226	264,292	264,837	267,101	270,690	275,853	280,515
Engineering	12,187	13,069	13,755	15,033	16,079	18,155	20,111	21,735	23,193
Aerospace	380	390	400	383	412	445	443	463	536
Chemical	1,885	2,024	2,107	2,368	2,547	2,891	3,203	3,508	3,413
Civil	2,754	2,829	2,972	2,952	2,982	3,276	3,376	3,614	3,770
Electrical	1,292	1,369	1,512	1,716	1,843	2,144	2,486	2,698	2,999
Industrial	884	934	930	1,068	1,219	1,363	1,561	1,653	1,741
Materials	284	314	371	343	396	430	478	505	543
Mechanical	1,903	2,163	2,250	2,590	2,832	3,287	3,824	4,073	4,635
Other	2,805	3,046	3,213	3,613	3,848	4,319	4,740	5,221	5,556
Science	229,002	241,753	247,471	249,259	248,758	248,946	250,579	254,118	257,322
Natural sciences	82,339	88,359	92,119	95,809	99,555	103,608	107,407	112,028	115,772
Agricultural sciences	10,949	12,413	13,415	13,988	14,474	14,998	15,205	16,023	16,616
Biological sciences	49,322	52,040	53,962	55,919	58,675	61,007	63,072	64,902	66,294
Earth, atmospheric, and ocean sciences	1,924	2,116	2,176	2,288	2,362	2,428	2,452	2,412	2,458
Atmospheric sciences	202	248	230	232	242	219	238	216	231
Earth sciences	1,629	1,771	1,836	1,946	2,025	2,099	2,102	2,098	2,127
Oceanography	93	97	110	110	95	110	112	98	100
Mathematics and computer sciences	13,300	14,562	15,355	16,039	16,693	17,697	18,898	20,809	22,645
Computer sciences	6,657	7,471	7,816	8,501	9,036	10,019	11,150	12,600	14,282
Mathematics and statistics	6,643	7,091	7,539	7,538	7,657	7,678	7,748	8,209	8,363
Physical sciences	6,844	7,228	7,211	7,575	7,351	7,478	7,780	7,882	7,759
Astronomy	123	137	114	143	123	106	150	164	195
Chemistry	5,524	5,854	5,801	6,078	5,949	5,961	6,228	6,241	6,052
Physics	894	928	1,001	1,036	1,021	1,164	1,181	1,267	1,297
Other physical sciences	303	309	295	318	258	247	221	210	215
Social and behavioral sciences	146,663	153,394	155,352	153,450	149,203	145,338	143,172	142,090	141,550
Psychology	67,733	72,174	74,715	75,310	75,075	73,937	73,199	72,098	71,826
Social sciences	78,930	81,220	80,637	78,140	74,128	71,401	69,973	69,992	69,724
Anthropology	6,192	6,975	7,132	6,919	6,124	5,552	5,041	5,034	4,812
Area and ethnic studies	4,109	4,140	3,954	3,597	3,315	3,314	3,183	3,052	3,121

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Economics	7,197	6,506	6,499	6,745	7,152	7,302	7,487	7,828	7,794
History of science	71	68	69	74	64	57	53	48	65
Linguistics	1,052	1,196	1,240	1,241	1,273	1,276	1,254	1,221	1,216
Political science and public administration	26,124	26,654	26,128	25,376	24,131	23,317	23,610	23,958	24,702
Sociology	17,372	17,513	17,288	16,733	15,808	14,985	14,323	14,158	13,922
Other social sciences	16,813	18,168	18,327	17,455	16,261	15,598	15,022	14,693	14,092
Non-S&E	628,374	646,520	654,209	654,450	656,648	656,154	660,115	658,240	660,679
American Indian or Alaska Native									
All fields	6,658	6,559	6,426	6,267	5,841	5,666	5,621	5,460	5,564
S&E	1,885	1,917	1,891	1,763	1,620	1,624	1,562	1,584	1,547
Engineering	83	69	80	82	76	65	59	89	83
Aerospace	2	3	3	4	3	0	3	2	2
Chemical	12	11	11	8	15	10	10	12	11
Civil	26	14	21	21	12	18	15	20	20
Electrical	5	9	12	12	5	3	6	12	10
Industrial	5	8	5	11	6	4	6	9	5
Materials	3	2	0	0	1	3	0	2	1
Mechanical	16	9	9	6	14	13	7	21	21
Other	14	13	19	20	20	14	12	11	13
Science	1,802	1,848	1,811	1,681	1,544	1,559	1,503	1,495	1,464
Natural sciences	539	608	600	568	512	511	513	561	490
Agricultural sciences	98	120	123	106	113	90	105	133	101
Biological sciences	316	361	311	304	264	307	285	273	271
Earth, atmospheric, and ocean sciences	16	18	17	21	17	16	15	18	12
Atmospheric sciences	1	0	1	2	2	0	0	2	1
Earth sciences	15	18	14	18	13	12	13	16	11
Oceanography	0	0	2	1	2	4	2	0	0
Mathematics and computer sciences	72	71	95	84	87	64	72	93	78
Computer sciences	36	50	67	57	62	47	57	62	51
Mathematics and statistics	36	21	28	27	25	17	15	31	27
Physical sciences	37	38	54	53	31	34	36	44	28
Astronomy	0	1	2	0	0	0	0	0	2
Chemistry	28	32	41	48	29	30	30	32	22
Physics	8	4	8	5	1	3	3	10	4
Other physical sciences	1	1	3	0	1	1	3	2	0
Social and behavioral sciences	1,263	1,240	1,211	1,113	1,032	1,048	990	934	974

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Psychology	513	530	499	493	453	493	467	413	440
Social sciences	750	710	712	620	579	555	523	521	534
Anthropology	68	69	69	50	46	47	45	43	28
Area and ethnic studies	107	110	126	119	100	97	90	108	121
Economics	27	28	34	20	20	29	22	16	28
History of science	0	0	0	1	0	0	0	0	1
Linguistics	11	3	8	4	6	6	7	2	2
Political science and public administration	205	188	189	162	163	148	120	150	112
Sociology	166	161	150	137	120	142	133	106	133
Other social sciences	166	151	136	127	124	86	106	96	109
Non-S&E	4,773	4,642	4,535	4,504	4,221	4,042	4,059	3,876	4,017
Asian									
All fields	59,041	61,787	63,680	65,402	66,794	69,477	73,215	77,743	80,249
S&E	24,978	25,995	26,947	27,585	28,271	29,294	31,220	33,587	34,733
Engineering	1,978	2,085	2,235	2,360	2,550	2,969	3,355	3,717	3,907
Aerospace	45	49	61	35	55	48	65	67	72
Chemical	332	371	380	378	430	514	574	648	548
Civil	331	330	375	358	371	412	436	441	481
Electrical	301	333	386	434	456	579	673	780	857
Industrial	121	115	99	114	119	164	199	211	215
Materials	37	55	72	66	69	68	89	102	83
Mechanical	243	273	251	290	341	376	465	522	628
Other	568	559	611	685	709	808	854	946	1,023
Science	23,000	23,910	24,712	25,225	25,721	26,325	27,865	29,870	30,826
Natural sciences	11,295	12,184	12,613	13,261	13,922	14,746	15,889	17,531	18,409
Agricultural sciences	537	633	734	696	746	699	721	812	866
Biological sciences	8,228	8,804	8,985	9,217	9,519	9,948	10,402	11,041	11,170
Earth, atmospheric, and ocean sciences	76	80	83	100	97	124	113	109	150
Atmospheric sciences	3	5	5	5	9	4	7	4	6
Earth sciences	68	70	75	84	83	114	103	98	135
Oceanography	5	5	3	11	5	6	3	7	9
Mathematics and computer sciences	1,421	1,595	1,728	2,031	2,392	2,875	3,475	4,336	5,084
Computer sciences	690	835	903	1,167	1,427	1,855	2,380	3,033	3,713
Mathematics and statistics	731	760	825	864	965	1,020	1,095	1,303	1,371
Physical sciences	1,033	1,072	1,083	1,217	1,168	1,100	1,178	1,233	1,139
Astronomy	8	12	16	9	12	11	11	19	18

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chemistry	917	952	952	1,096	1,031	984	1,047	1,052	963
Physics	86	80	97	79	104	87	107	145	142
Other physical sciences	22	28	18	33	21	18	13	17	16
Social and behavioral sciences	11,705	11,726	12,099	11,964	11,799	11,579	11,976	12,339	12,417
Psychology	4,452	4,758	4,981	5,089	5,064	5,097	5,402	5,488	5,413
Social sciences	7,253	6,968	7,118	6,875	6,735	6,482	6,574	6,851	7,004
Anthropology	456	493	540	512	443	427	416	414	362
Area and ethnic studies	542	607	532	482	414	420	395	360	393
Economics	1,759	1,590	1,645	1,691	1,734	1,707	1,816	1,916	1,831
History of science	7	6	10	12	5	11	9	10	9
Linguistics	139	148	152	163	168	162	193	176	199
Political science and public administration	2,036	1,938	2,002	1,854	1,811	1,706	1,677	1,801	1,957
Sociology	1,284	1,196	1,188	1,165	1,156	1,061	1,050	1,107	1,180
Other social sciences	1,030	990	1,049	996	1,004	988	1,018	1,067	1,073
Non-S&E	34,063	35,792	36,733	37,817	38,523	40,183	41,995	44,156	45,516
Black or African American									
All fields	106,001	113,611	116,345	116,388	117,189	119,225	120,841	120,379	121,376
S&E	29,472	31,592	32,418	32,598	32,845	33,700	34,216	34,359	34,819
Engineering	809	862	855	933	973	1,054	1,119	1,262	1,323
Aerospace	13	15	13	11	26	26	21	20	23
Chemical	114	139	131	145	133	164	187	206	196
Civil	145	146	140	154	163	181	174	203	189
Electrical	181	193	192	190	194	192	206	227	231
Industrial	94	78	83	83	107	100	97	113	107
Materials	14	14	19	14	21	17	18	13	31
Mechanical	105	116	122	126	134	159	181	202	237
Other	143	161	155	210	195	215	235	278	309
Science	28,663	30,730	31,563	31,665	31,872	32,646	33,097	33,097	33,496
Natural sciences	7,470	8,189	8,438	8,660	8,920	9,457	10,103	10,425	11,090
Agricultural sciences	316	430	446	519	519	596	636	611	693
Biological sciences	4,734	4,973	5,195	5,337	5,662	6,166	6,557	6,660	7,104
Earth, atmospheric, and ocean sciences	40	59	62	62	67	76	67	91	88
Atmospheric sciences	5	9	5	7	4	10	6	14	10
Earth sciences	33	48	53	55	59	60	58	73	75
Oceanography	2	2	4	0	4	6	3	4	3
Mathematics and computer sciences	1,734	1,929	2,006	1,985	1,978	1,935	2,068	2,242	2,443

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Computer sciences	1,322	1,464	1,491	1,463	1,462	1,434	1,565	1,725	1,928
Mathematics and statistics	412	465	515	522	516	501	503	517	515
Physical sciences	646	798	729	757	694	684	775	821	762
Astronomy	0	1	1	2	1	4	3	3	5
Chemistry	581	717	670	675	614	600	695	751	679
Physics	38	43	29	52	47	56	56	49	58
Other physical sciences	27	37	29	28	32	24	21	18	20
Social and behavioral sciences	21,193	22,541	23,125	23,005	22,952	23,189	22,994	22,672	22,406
Psychology	9,449	10,276	10,652	10,878	11,116	11,329	11,336	11,155	11,225
Social sciences	11,744	12,265	12,473	12,127	11,836	11,860	11,658	11,517	11,181
Anthropology	349	384	385	400	364	377	349	329	341
Area and ethnic studies	800	726	622	619	643	633	683	648	671
Economics	521	474	495	493	553	502	553	543	586
History of science	5	15	5	6	6	5	7	10	18
Linguistics	47	62	55	59	56	86	76	84	81
Political science and public administration	3,710	4,053	4,274	4,172	4,007	3,985	4,062	4,089	4,022
Sociology	3,824	3,896	3,887	3,818	3,778	3,615	3,446	3,344	3,212
Other social sciences	2,488	2,655	2,750	2,560	2,429	2,657	2,482	2,470	2,250
Non-S&E	76,529	82,019	83,927	83,790	84,344	85,525	86,625	86,020	86,557
Native Hawaiian or Other Pacific Islander									
All fields	2,540	2,584	2,774	2,955	2,779	2,694	2,637	2,511	2,641
S&E	665	798	758	804	827	725	746	696	728
Engineering	26	37	37	36	33	37	41	34	37
Aerospace	1	1	0	1	1	0	3	1	0
Chemical	3	3	4	2	6	2	6	0	4
Civil	10	16	6	6	5	8	9	5	5
Electrical	5	5	5	4	5	8	5	6	4
Industrial	0	1	7	4	3	0	3	5	6
Materials	0	2	1	2	0	2	1	1	2
Mechanical	3	5	9	5	5	10	6	5	5
Other	4	4	5	12	8	7	8	11	11
Science	639	761	721	768	794	688	705	662	691
Natural sciences	200	258	242	297	277	237	231	270	253
Agricultural sciences	18	29	33	51	46	25	38	36	26
Biological sciences	132	154	143	168	145	130	137	166	155
Earth, atmospheric, and ocean sciences	1	1	6	2	6	3	7	5	4

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Atmospheric sciences	0	0	0	1	2	1	1	0	1
Earth sciences	1	1	5	0	4	2	6	5	2
Oceanography	0	0	1	1	0	0	0	0	1
Mathematics and computer sciences	30	58	40	55	64	59	36	42	56
Computer sciences	14	39	25	37	47	49	29	27	45
Mathematics and statistics	16	19	15	18	17	10	7	15	11
Physical sciences	19	16	20	21	16	20	13	21	12
Astronomy	0	0	0	0	0	1	1	0	1
Chemistry	15	14	16	12	13	15	12	19	9
Physics	3	1	4	2	2	3	0	2	2
Other physical sciences	1	1	0	7	1	1	0	0	0
Social and behavioral sciences	439	503	479	471	517	451	474	392	438
Psychology	157	171	193	207	216	207	227	170	193
Social sciences	282	332	286	264	301	244	247	222	245
Anthropology	18	24	15	24	20	19	9	14	19
Area and ethnic studies	24	24	25	20	20	15	21	17	17
Economics	20	15	13	12	14	11	17	10	17
History of science	0	0	0	0	1	0	0	0	0
Linguistics	3	3	3	3	4	2	0	3	2
Political science and public administration	105	111	92	100	110	81	109	73	81
Sociology	58	69	51	53	63	52	32	51	43
Other social sciences	54	86	87	52	69	64	59	54	66
Non-S&E	1,875	1,786	2,016	2,151	1,952	1,969	1,891	1,815	1,913
White									
All fields	618,578	635,910	646,667	647,404	646,445	645,734	648,136	649,703	649,911
S&E	163,031	171,257	176,127	177,806	176,865	177,592	178,350	181,319	183,275
Engineering	8,374	9,096	9,579	10,508	11,206	12,523	13,848	14,840	15,839
Aerospace	293	293	295	300	300	325	310	323	388
Chemical	1,322	1,384	1,460	1,649	1,788	1,978	2,197	2,374	2,372
Civil	2,012	2,126	2,194	2,151	2,200	2,415	2,452	2,646	2,799
Electrical	693	730	800	948	1,027	1,166	1,358	1,426	1,604
Industrial	606	670	676	798	898	994	1,139	1,199	1,277
Materials	214	210	255	236	275	303	322	342	376
Mechanical	1,391	1,610	1,693	1,976	2,086	2,432	2,823	2,979	3,317
Other	1,843	2,073	2,206	2,450	2,632	2,910	3,247	3,551	3,706
Science	154,657	162,161	166,548	167,298	165,659	165,069	164,502	166,479	167,436

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Natural sciences	56,323	60,185	63,004	65,384	67,674	70,210	71,788	74,170	75,753
Agricultural sciences	9,103	10,274	11,119	11,550	11,967	12,412	12,510	13,167	13,631
Biological sciences	32,399	34,001	35,315	36,615	38,303	39,771	40,748	41,692	42,194
Earth, atmospheric, and ocean sciences	1,634	1,794	1,860	1,927	2,012	2,032	2,052	1,973	1,993
Atmospheric sciences	178	223	206	205	211	190	208	179	194
Earth sciences	1,376	1,487	1,557	1,632	1,721	1,759	1,752	1,712	1,724
Oceanography	80	84	97	90	80	83	92	82	75
Mathematics and computer sciences	8,617	9,382	9,929	10,320	10,502	10,978	11,348	12,189	12,767
Computer sciences	3,625	4,000	4,288	4,727	4,952	5,441	5,879	6,479	7,014
Mathematics and statistics	4,992	5,382	5,641	5,593	5,550	5,537	5,469	5,710	5,753
Physical sciences	4,570	4,734	4,781	4,972	4,890	5,017	5,130	5,149	5,168
Astronomy	108	110	85	114	100	73	109	131	145
Chemistry	3,617	3,716	3,702	3,821	3,832	3,876	3,967	3,922	3,889
Physics	674	702	786	811	774	896	889	944	974
Other physical sciences	171	206	208	226	184	172	165	152	160
Social and behavioral sciences	98,334	101,976	103,544	101,914	97,985	94,859	92,714	92,309	91,683
Psychology	47,593	50,221	52,381	52,384	51,604	50,295	49,123	48,515	48,102
Social sciences	50,741	51,755	51,163	49,530	46,381	44,564	43,591	43,794	43,581
Anthropology	4,638	5,240	5,402	5,192	4,609	4,078	3,702	3,706	3,549
Area and ethnic studies	2,213	2,151	2,173	1,960	1,743	1,766	1,553	1,522	1,551
Economics	4,142	3,751	3,694	3,924	4,104	4,317	4,321	4,615	4,541
History of science	53	41	45	50	46	39	31	21	27
Linguistics	734	843	890	877	880	864	830	828	821
Political science and public administration	17,098	16,988	16,352	16,000	15,213	14,921	15,208	15,544	16,078
Sociology	10,611	10,741	10,557	10,112	9,224	8,704	8,299	8,249	8,008
Other social sciences	11,252	12,000	12,050	11,415	10,562	9,875	9,647	9,309	9,006
Non-S&E	455,547	464,653	470,540	469,598	469,580	468,142	469,786	468,384	466,636
More than one race									
All fields	11,865	15,251	19,115	25,879	30,412	34,897	37,921	40,295	41,963
S&E	3,949	5,216	6,633	9,368	10,748	12,309	13,249	14,415	15,093
Engineering	233	259	328	510	676	890	965	1,101	1,231
Aerospace	4	10	10	17	18	28	25	29	30
Chemical	35	35	40	81	93	127	121	152	173
Civil	48	51	79	104	120	141	163	172	173
Electrical	28	25	40	58	73	112	135	137	169
Industrial	19	19	19	26	47	59	61	74	83

Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Materials	4	8	6	15	20	27	28	35	32
Mechanical	37	40	52	82	148	172	201	226	266
Other	58	71	82	127	157	224	231	276	305
Science	3,716	4,957	6,305	8,858	10,072	11,419	12,284	13,314	13,862
Natural sciences	1,152	1,600	2,069	3,175	3,826	4,412	4,873	5,562	5,908
Agricultural sciences	134	229	301	470	522	656	678	813	813
Biological sciences	689	958	1,219	1,884	2,353	2,561	2,865	3,231	3,390
Earth, atmospheric, and ocean sciences	30	54	60	86	86	94	108	154	144
Atmospheric sciences	1	2	5	6	9	8	7	14	10
Earth sciences	27	48	54	74	74	80	92	138	123
Oceanography	2	4	1	6	3	6	9	2	11
Mathematics and computer sciences	194	225	335	479	597	773	845	978	1,140
Computer sciences	98	131	183	262	338	490	528	629	751
Mathematics and statistics	96	94	152	217	259	283	317	349	389
Physical sciences	105	134	154	256	268	328	377	386	421
Astronomy	3	4	5	10	7	11	20	9	18
Chemistry	75	100	118	198	209	245	272	290	315
Physics	21	26	21	39	44	59	77	75	77
Other physical sciences	6	4	10	9	8	13	8	12	11
Social and behavioral sciences	2,564	3,357	4,236	5,683	6,246	7,007	7,411	7,752	7,954
Psychology	1,147	1,453	1,832	2,561	2,890	3,235	3,421	3,634	3,738
Social sciences	1,417	1,904	2,404	3,122	3,356	3,772	3,990	4,118	4,216
Anthropology	140	216	264	387	353	376	373	361	362
Area and ethnic studies	154	170	214	228	219	249	302	287	267
Economics	121	121	151	210	297	322	366	376	381
History of science	3	3	3	3	3	2	5	4	7
Linguistics	29	34	47	69	76	88	93	85	67
Political science and public administration	431	602	745	923	1,021	1,185	1,265	1,317	1,438
Sociology	306	419	536	657	709	800	792	859	862
Other social sciences	233	339	444	645	678	750	794	829	832
Non-S&E	7,916	10,035	12,482	16,511	19,664	22,588	24,672	25,880	26,870
Other or unknown race or ethnicity									
All fields	64,880	65,640	60,428	54,447	52,025	45,562	42,434	38,002	39,490
S&E	17,209	18,047	16,452	14,368	13,661	11,857	11,347	9,893	10,320
Engineering	684	661	641	604	565	617	724	692	773
Aerospace	22	19	18	15	9	18	16	21	21



Table SHED-5

## Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
All fields	26,500	29,881	32,531	34,320	36,958	40,369	42,887	45,740	47,509
S&E	8,903	10,185	11,446	12,476	13,712	15,534	16,885	18,862	20,152
Engineering	1,064	1,301	1,456	1,639	1,769	2,123	2,391	2,697	2,774
Aerospace	29	28	32	54	29	48	55	54	59
Chemical	225	267	319	342	363	416	485	515	477
Civil	132	177	212	236	252	317	371	393	444
Electrical	273	336	348	370	416	480	430	591	561
Industrial	95	136	147	175	180	229	260	249	263
Materials	18	24	37	39	46	65	74	74	54
Mechanical	93	129	152	168	201	255	326	381	426
Other	199	204	209	255	282	313	390	440	490
Science	7,839	8,884	9,990	10,837	11,943	13,411	14,494	16,165	17,378
Natural sciences	3,311	3,723	4,263	4,519	4,972	5,817	6,716	7,851	8,850
Agricultural sciences	188	219	315	342	369	385	419	489	568
Biological sciences	1,711	1,711	1,851	1,764	1,826	2,077	2,311	2,540	2,775
Earth, atmospheric, and ocean sciences	34	41	56	94	97	94	100	132	120
Atmospheric sciences	0	2	6	5	5	2	10	6	10
Earth sciences	34	37	48	86	92	86	90	124	109
Oceanography	0	2	2	3	0	6	0	2	1
Mathematics and computer sciences	995	1,348	1,571	1,829	2,169	2,701	3,264	4,065	4,708
Computer sciences	395	488	483	636	783	984	1,234	1,861	2,271
Mathematics and statistics	600	860	1,088	1,193	1,386	1,717	2,030	2,204	2,437
Physical sciences	383	404	470	490	511	560	622	625	679
Astronomy	5	6	7	14	6	14	11	16	20
Chemistry	305	308	364	394	406	449	459	456	484
Physics	61	78	84	69	90	86	147	148	168
Other physical sciences	12	12	15	13	9	11	5	5	7
Social and behavioral sciences	4,528	5,161	5,727	6,318	6,971	7,594	7,778	8,314	8,528
Psychology	1,274	1,557	1,657	1,837	1,935	2,188	2,287	2,485	2,583
Social sciences	3,254	3,604	4,070	4,481	5,036	5,406	5,491	5,829	5,945
Anthropology	69	93	77	101	95	100	98	107	125
Area and ethnic studies	137	157	121	172	165	183	180	218	201
Economics	1,433	1,638	1,998	2,254	2,637	2,862	2,919	2,975	3,040
History of science	0	1	2	2	2	1	1	3	3
Linguistics	64	77	63	75	80	84	81	107	97
Political science and public administration	961	968	1,040	1,073	1,096	1,145	1,197	1,286	1,237

Table SHED-5

**Bachelor's degrees awarded, by sex, citizenship, race, ethnicity, and field: 2011–19**

(Number)

Sex, citizenship, race, ethnicity, and field	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sociology	249	303	339	355	403	433	428	501	593
Other social sciences	341	367	430	449	558	598	587	632	649
Non-S&E	17,597	19,696	21,085	21,844	23,246	24,835	26,002	26,878	27,357

**Note(s):**

Racial and ethnic breakouts include U.S. citizens and permanent residents only; temporary visa holder includes all racial and ethnic groups. Hispanic may be any race, and race categories exclude Hispanic origin.

**Source(s):**

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

*Science and Engineering Indicators*