

TABLE S2-12

Degrees awarded to U.S. citizens and permanent residents, by degree level, sex, race, ethnicity, and field: 2000 and 2017

(Number and percent)

Degree level, race, ethnicity, and field	2000					2017				
	All	Female	Male	Female (%)	Male (%)	All	Female	Male	Female (%)	Male (%)
Associate's level										
American Indian or Alaska Native										
All fields	6,282	4,131	2,151	65.8	34.2	8,935	5,697	3,238	63.8	36.2
S&E	608	386	222	63.5	36.5	942	495	447	52.5	47.5
Engineering	17	4	13	23.5	76.5	50	8	42	16.0	84.0
Natural sciences	384	220	164	57.3	42.7	453	174	279	38.4	61.6
Social and behavioral sciences	207	162	45	78.3	21.7	439	313	126	71.3	28.7
Non-S&E	5,674	3,745	1,929	66.0	34.0	7,993	5,202	2,791	65.1	34.9
Asian or Pacific Islander										
All fields	27,313	15,522	11,791	56.8	43.2	54,809	30,916	23,893	56.4	43.6
S&E	2,649	1,284	1,365	48.5	51.5	7,862	3,492	4,370	44.4	55.6
Engineering	160	23	137	14.4	85.6	574	111	463	19.3	80.7
Natural sciences	2,010	939	1,071	46.7	53.3	4,419	1,562	2,857	35.3	64.7
Social and behavioral sciences	479	322	157	67.2	32.8	2,869	1,819	1,050	63.4	36.6
Non-S&E	24,664	14,238	10,426	57.7	42.3	46,947	27,424	19,523	58.4	41.6
Black or African American										
All fields	58,408	38,148	20,260	65.3	34.7	125,139	83,700	41,439	66.9	33.1
S&E	4,629	2,622	2,007	56.6	43.4	9,598	4,986	4,612	51.9	48.1
Engineering	131	25	106	19.1	80.9	395	45	350	11.4	88.6
Natural sciences	3,497	1,883	1,614	53.8	46.2	4,951	1,735	3,216	35.0	65.0
Social and behavioral sciences	1,001	714	287	71.3	28.7	4,252	3,206	1,046	75.4	24.6
Non-S&E	53,779	35,526	18,253	66.1	33.9	115,541	78,714	36,827	68.1	31.9
Hispanic or Latino										
All fields	57,971	33,760	24,211	58.2	41.8	209,579	131,303	78,276	62.7	37.3
S&E	4,361	2,280	2,081	52.3	47.7	23,928	13,467	10,461	56.3	43.7
Engineering	181	30	151	16.6	83.4	1,168	207	961	17.7	82.3
Natural sciences	2,986	1,396	1,590	46.8	53.2	8,765	3,127	5,638	35.7	64.3
Social and behavioral sciences	1,194	854	340	71.5	28.5	13,995	10,133	3,862	72.4	27.6
Non-S&E	53,610	31,480	22,130	58.7	41.3	185,651	117,836	67,815	63.5	36.5
White										
All fields	396,145	237,369	158,776	59.9	40.1	530,746	316,065	214,681	59.6	40.4
S&E	23,837	10,680	13,157	44.8	55.2	41,574	16,579	24,995	39.9	60.1
Engineering	1,177	148	1,029	12.6	87.4	3,134	443	2,691	14.1	85.9
Natural sciences	18,573	7,644	10,929	41.2	58.8	25,490	6,835	18,655	26.8	73.2
Social and behavioral sciences	4,087	2,888	1,199	70.7	29.3	12,950	9,301	3,649	71.8	28.2
Non-S&E	372,308	226,689	145,619	60.9	39.1	489,172	299,486	189,686	61.2	38.8
Other or unknown race and ethnicity										
All fields	17,261	9,804	7,451	56.8	43.2	64,428	37,920	26,508	58.9	41.1
S&E	1,501	654	847	43.6	56.4	6,146	2,808	3,338	45.7	54.3
Engineering	60	8	52	13.3	86.7	372	50	322	13.4	86.6
Natural sciences	1,050	376	674	35.8	64.2	3,320	1,010	2,310	30.4	69.6
Social and behavioral sciences	391	270	121	69.1	30.9	2,454	1,748	706	71.2	28.8
Non-S&E	15,760	9,150	6,610	58.1	41.9	58,282	35,112	23,170	60.2	39.8
Bachelor's level										
American Indian or Alaska Native										
All fields	8,414	5,077	3,337	60.3	39.7	9,194	5,621	3,573	61.1	38.9
S&E	2,607	1,443	1,164	55.4	44.6	2,844	1,562	1,282	54.9	45.1
Engineering	326	89	237	27.3	72.7	295	59	236	20.0	80.0

TABLE S2-12

Degrees awarded to U.S. citizens and permanent residents, by degree level, sex, race, ethnicity, and field: 2000 and 2017

(Number and percent)

Degree level, race, ethnicity, and field	2000					2017				
	All	Female	Male	Female (%)	Male (%)	All	Female	Male	Female (%)	Male (%)
Natural sciences	917	462	455	50.4	49.6	1,085	513	572	47.3	52.7
Social and behavioral sciences	1,364	892	472	65.4	34.6	1,464	990	474	67.6	32.4
Non-S&E	5,807	3,634	2,173	62.6	37.4	6,350	4,059	2,291	63.9	36.1
Asian or Pacific Islander										
All fields	75,384	40,766	34,618	54.1	45.9	138,753	75,852	62,901	54.7	45.3
S&E	35,556	16,982	18,574	47.8	52.2	67,178	31,966	35,212	47.6	52.4
Engineering	6,850	1,664	5,186	24.3	75.7	12,950	3,396	9,554	26.2	73.8
Natural sciences	16,342	7,647	8,695	46.8	53.2	34,406	16,120	18,286	46.9	53.1
Social and behavioral sciences	12,364	7,671	4,693	62.0	38.0	19,822	12,450	7,372	62.8	37.2
Non-S&E	39,828	23,784	16,044	59.7	40.3	71,575	43,886	27,689	61.3	38.7
Black or African American										
All fields	104,341	68,679	35,662	65.8	34.2	188,414	120,841	67,573	64.1	35.9
S&E	32,993	20,975	12,018	63.6	36.4	55,651	34,216	21,435	61.5	38.5
Engineering	3,069	1,090	1,979	35.5	64.5	4,443	1,119	3,324	25.2	74.8
Natural sciences	10,796	6,464	4,332	59.9	40.1	18,963	10,103	8,860	53.3	46.7
Social and behavioral sciences	19,128	13,421	5,707	70.2	29.8	32,245	22,994	9,251	71.3	28.7
Non-S&E	71,348	47,704	23,644	66.9	33.1	132,763	86,625	46,138	65.2	34.8
Hispanic or Latino										
All fields	88,445	53,772	34,673	60.8	39.2	258,195	156,797	101,398	60.7	39.3
S&E	27,980	15,456	12,524	55.2	44.8	91,550	50,895	40,655	55.6	44.4
Engineering	4,075	988	3,087	24.2	75.8	12,613	2,871	9,742	22.8	77.2
Natural sciences	8,842	4,499	4,343	50.9	49.1	31,096	14,866	16,230	47.8	52.2
Social and behavioral sciences	15,063	9,969	5,094	66.2	33.8	47,841	33,158	14,683	69.3	30.7
Non-S&E	60,465	38,316	22,149	63.4	36.6	166,645	105,902	60,743	63.5	36.5
White										
All fields	896,511	508,407	388,104	56.7	43.3	1,148,033	648,136	499,897	56.5	43.5
S&E	270,341	133,114	137,227	49.2	50.8	377,509	178,350	199,159	47.2	52.8
Engineering	39,025	7,274	31,751	18.6	81.4	68,656	13,848	54,808	20.2	79.8
Natural sciences	103,331	46,570	56,761	45.1	54.9	160,645	71,788	88,857	44.7	55.3
Social and behavioral sciences	127,985	79,270	48,715	61.9	38.1	148,208	92,714	55,494	62.6	37.4
Non-S&E	626,170	375,293	250,877	59.9	40.1	770,524	469,786	300,738	61.0	39.0
Other or unknown race and ethnicity										
All fields	42,419	23,529	18,890	55.5	44.5	139,095	80,355	58,740	57.8	42.2
S&E	13,930	6,948	6,982	49.9	50.1	48,111	24,596	23,515	51.1	48.9
Engineering	1,610	296	1,314	18.4	81.6	7,161	1,689	5,472	23.6	76.4
Natural sciences	5,143	2,228	2,915	43.3	56.7	19,519	8,883	10,636	45.5	54.5
Social and behavioral sciences	7,177	4,424	2,753	61.6	38.4	21,431	14,024	7,407	65.4	34.6
Non-S&E	28,489	16,581	11,908	58.2	41.8	90,984	55,759	35,225	61.3	38.7
Master's level										
American Indian or Alaska Native										
All fields	2,109	1,329	780	63.0	37.0	3,142	2,085	1,057	66.4	33.6
S&E	383	190	193	49.6	50.4	618	350	268	56.6	43.4
Engineering	64	16	48	25.0	75.0	77	24	53	31.2	68.8
Natural sciences	108	36	72	33.3	66.7	166	76	90	45.8	54.2
Social and behavioral sciences	211	138	73	65.4	34.6	375	250	125	66.7	33.3
Non-S&E	1,726	1,139	587	66.0	34.0	2,524	1,735	789	68.7	31.3
Asian or Pacific Islander										
All fields	21,720	11,461	10,259	52.8	47.2	44,352	25,230	19,122	56.9	43.1

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(Number and percent)

Degree level, race, ethnicity, and field	2000					2017				
	All	Female	Male	Female (%)	Male (%)	All	Female	Male	Female (%)	Male (%)
S&E	7,032	3,063	3,969	43.6	56.4	13,131	5,736	7,395	43.7	56.3
Engineering	2,380	661	1,719	27.8	72.2	3,702	1,054	2,648	28.5	71.5
Natural sciences	3,199	1,440	1,759	45.0	55.0	6,508	2,766	3,742	42.5	57.5
Social and behavioral sciences	1,453	962	491	66.2	33.8	2,921	1,916	1,005	65.6	34.4
Non-S&E	14,688	8,398	6,290	57.2	42.8	31,221	19,494	11,727	62.4	37.6
Black or African American										
All fields	33,589	23,173	10,416	69.0	31.0	82,908	58,078	24,830	70.1	29.9
S&E	5,563	3,320	2,243	59.7	40.3	13,160	8,150	5,010	61.9	38.1
Engineering	658	207	451	31.5	68.5	1,247	343	904	27.5	72.5
Natural sciences	1,179	588	591	49.9	50.1	3,816	1,813	2,003	47.5	52.5
Social and behavioral sciences	3,726	2,525	1,201	67.8	32.2	8,097	5,994	2,103	74.0	26.0
Non-S&E	28,026	19,853	8,173	70.8	29.2	69,748	49,928	19,820	71.6	28.4
Hispanic or Latino										
All fields	20,911	12,861	8,050	61.5	38.5	67,353	43,774	23,579	65.0	35.0
S&E	3,762	1,841	1,921	48.9	51.1	13,092	7,033	6,059	53.7	46.3
Engineering	852	201	651	23.6	76.4	2,426	619	1,807	25.5	74.5
Natural sciences	935	403	532	43.1	56.9	3,647	1,602	2,045	43.9	56.1
Social and behavioral sciences	1,975	1,237	738	62.6	37.4	7,019	4,812	2,207	68.6	31.4
Non-S&E	17,149	11,020	6,129	64.3	35.7	54,261	36,741	17,520	67.7	32.3
White										
All fields	299,781	180,919	118,862	60.4	39.6	401,523	249,667	151,856	62.2	37.8
S&E	50,130	22,868	27,262	45.6	54.4	72,596	34,431	38,165	47.4	52.6
Engineering	11,020	2,037	8,983	18.5	81.5	15,297	3,471	11,826	22.7	77.3
Natural sciences	16,154	6,613	9,541	40.9	59.1	26,526	11,164	15,362	42.1	57.9
Social and behavioral sciences	22,956	14,218	8,738	61.9	38.1	30,773	19,796	10,977	64.3	35.7
Non-S&E	249,651	158,051	91,600	63.3	36.7	328,927	215,236	113,691	65.4	34.6
Other or unknown race and ethnicity										
All fields	26,048	14,612	11,436	56.1	43.9	65,350	40,283	25,067	61.6	38.4
S&E	4,545	2,065	2,480	45.4	54.6	12,089	6,172	5,917	51.1	48.9
Engineering	940	192	748	20.4	79.6	2,209	540	1,669	24.4	75.6
Natural sciences	1,415	536	879	37.9	62.1	4,329	1,831	2,498	42.3	57.7
Social and behavioral sciences	2,190	1,337	853	61.1	38.9	5,551	3,801	1,750	68.5	31.5
Non-S&E	21,503	12,547	8,956	58.3	41.7	53,261	34,111	19,150	64.0	36.0
Doctoral level ^a										
American Indian or Alaska Native										
All fields	155	100	55	64.5	35.5	250	152	98	60.8	39.2
S&E	82	52	30	63.4	36.6	114	62	52	54.4	45.6
Engineering	5	2	3	40.0	60.0	12	4	8	33.3	66.7
Natural sciences	34	16	18	47.1	52.9	68	38	30	55.9	44.1
Social and behavioral sciences	43	34	9	79.1	20.9	34	20	14	58.8	41.2
Non-S&E	73	48	25	65.8	34.2	136	90	46	66.2	33.8
Asian or Pacific Islander										
All fields	2,297	1,013	1,284	44.1	55.9	3,873	2,082	1,791	53.8	46.2
S&E	1,714	704	1,010	41.1	58.9	2,869	1,440	1,429	50.2	49.8
Engineering	380	81	299	21.3	78.7	692	211	481	30.5	69.5
Natural sciences	979	412	567	42.1	57.9	1,708	911	797	53.3	46.7
Social and behavioral sciences	355	211	144	59.4	40.6	469	318	151	67.8	32.2
Non-S&E	583	309	274	53.0	47.0	1,004	642	362	63.9	36.1

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(Number and percent)

Degree level, race, ethnicity, and field	2000					2017				
	All	Female	Male	Female (%)	Male (%)	All	Female	Male	Female (%)	Male (%)
Black or African American										
All fields	2,147	1,314	833	61.2	38.8	5,709	3,904	1,805	68.4	31.6
S&E	821	462	359	56.3	43.7	2,151	1,426	725	66.3	33.7
Engineering	91	29	62	31.9	68.1	182	61	121	33.5	66.5
Natural sciences	316	180	136	57.0	43.0	1,201	822	379	68.4	31.6
Social and behavioral sciences	414	253	161	61.1	38.9	768	543	225	70.7	29.3
Non-S&E	1,326	852	474	64.3	35.7	3,558	2,478	1,080	69.6	30.4
Hispanic or Latino										
All fields	1,382	767	615	55.5	44.5	3,929	2,305	1,624	58.7	41.3
S&E	775	402	373	51.9	48.1	2,181	1,218	963	55.8	44.2
Engineering	86	16	70	18.6	81.4	306	84	222	27.5	72.5
Natural sciences	319	150	169	47.0	53.0	1,102	597	505	54.2	45.8
Social and behavioral sciences	370	236	134	63.8	36.2	773	537	236	69.5	30.5
Non-S&E	607	365	242	60.1	39.9	1,748	1,087	661	62.2	37.8
White										
All fields	26,471	12,770	13,701	48.2	51.8	33,281	17,659	15,622	53.1	46.9
S&E	14,975	6,647	8,328	44.4	55.6	19,875	9,818	10,057	49.4	50.6
Engineering	1,948	340	1,608	17.5	82.5	2,882	678	2,204	23.5	76.5
Natural sciences	7,621	3,138	4,483	41.2	58.8	11,968	6,104	5,864	51.0	49.0
Social and behavioral sciences	5,406	3,169	2,237	58.6	41.4	5,025	3,036	1,989	60.4	39.6
Non-S&E	11,496	6,123	5,373	53.3	46.7	13,406	7,841	5,565	58.5	41.5
Other or unknown race and ethnicity										
All fields	1,661	741	920	44.6	55.4	5,216	2,870	2,346	55.0	45.0
S&E	1,034	422	612	40.8	59.2	2,947	1,528	1,419	51.8	48.2
Engineering	146	28	118	19.2	80.8	500	127	373	25.4	74.6
Natural sciences	510	190	320	37.3	62.7	1,612	841	771	52.2	47.8
Social and behavioral sciences	378	204	174	54.0	46.0	835	560	275	67.1	32.9
Non-S&E	627	319	308	50.9	49.1	2,269	1,342	927	59.1	40.9

^a At the doctoral level, medical sciences and other health sciences are included under natural sciences and consequently under S&E because at this level, these degrees are research degrees.

Note(s)

To compare data over time, the race and ethnicity categories are the historic categories, not the most recent. Hispanic may be any race; 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, National Science Foundation, Integrated Data System (IDS).