



# 2023

# Diversity and STEM: Women, Minorities, and Persons with Disabilities

## Data Tables and Resources

National Center for Science and Engineering Statistics  
Directorate for Social, Behavioral and Economic Sciences

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## Data Tables

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These tables present detailed data on women, minorities, and persons with disabilities in science and engineering. For additional information on these groups, explore and analyze data from the National Center for Science and Engineering Statistics (NCSES) using our collection of [data tools, data profiles, and other resources](#). See “[Appendix: NCSES Table Builder](#)” for a detailed example of creating a custom table via NCSES’s data tools.

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Table 1-1

## Employment status of scientists and engineers, by age, sex, ethnicity, race, and disability status: 2021

(Number)

Age (years), sex, ethnicity, race, and disability status	Total	Employed		Not employed		
		Full time	Part time	Seeking employment	Not seeking employment	Retired <sup>a</sup>
75 and younger	38,263,000	25,917,000	4,338,000	1,375,000	2,181,000	4,451,000
Female	18,748,000	11,668,000	2,720,000	684,000	1,641,000	2,036,000
Male	19,515,000	14,249,000	1,619,000	691,000	540,000	2,416,000
Hispanic or Latino <sup>b</sup>	3,530,000	2,554,000	399,000	174,000	232,000	171,000
Not Hispanic or Latino						
American Indian or Alaska Native	93,000	55,000	11,000	5,000	5,000	17,000
Asian	5,157,000	3,713,000	527,000	220,000	413,000	284,000
Black or African American	2,692,000	1,983,000	258,000	152,000	123,000	176,000
Native Hawaiian or Other Pacific Islander	94,000	70,000	4,000	S	S	14,000
White	25,858,000	16,961,000	3,046,000	773,000	1,354,000	3,725,000
More than one race	837,000	581,000	92,000	47,000	52,000	64,000
Without disability	32,973,000	23,078,000	3,691,000	1,086,000	1,762,000	3,355,000
With disability	5,290,000	2,839,000	647,000	289,000	418,000	1,096,000
29 and younger	5,564,000	4,137,000	653,000	284,000	490,000	D
Female	2,961,000	2,112,000	412,000	140,000	297,000	D
Male	2,602,000	2,025,000	240,000	143,000	193,000	D
Hispanic or Latino <sup>b</sup>	737,000	529,000	110,000	47,000	51,000	D
Not Hispanic or Latino						
American Indian or Alaska Native	17,000	13,000	D	D	D	D
Asian	875,000	604,000	119,000	51,000	101,000	D
Black or African American	362,000	263,000	38,000	32,000	30,000	D
Native Hawaiian or Other Pacific Islander	10,000	9,000	D	D	D	D
White	3,365,000	2,582,000	360,000	136,000	288,000	D
More than one race	197,000	137,000	25,000	16,000	18,000	D
Without disability	5,014,000	3,761,000	590,000	247,000	416,000	D
With disability	549,000	376,000	63,000	37,000	74,000	D
30–39	9,484,000	7,617,000	932,000	329,000	604,000	2,000
Female	4,894,000	3,538,000	687,000	180,000	488,000	D
Male	4,590,000	4,078,000	245,000	149,000	116,000	1,000
Hispanic or Latino <sup>b</sup>	1,040,000	842,000	89,000	47,000	62,000	D
Not Hispanic or Latino						
American Indian or Alaska Native	15,000	11,000	S	D	S	D
Asian	1,518,000	1,180,000	140,000	66,000	132,000	D
Black or African American	660,000	539,000	66,000	29,000	26,000	D
Native Hawaiian or Other Pacific Islander	13,000	11,000	2,000	D	D	D
White	5,977,000	4,831,000	615,000	170,000	361,000	D
More than one race	259,000	203,000	17,000	16,000	22,000	D
Without disability	8,617,000	6,989,000	819,000	256,000	552,000	S
With disability	867,000	627,000	114,000	73,000	52,000	S
40–49	7,729,000	6,194,000	780,000	224,000	498,000	32,000
Female	3,991,000	2,840,000	602,000	120,000	411,000	17,000
Male	3,738,000	3,354,000	178,000	104,000	86,000	15,000
Hispanic or Latino <sup>b</sup>	796,000	611,000	97,000	31,000	55,000	3,000
Not Hispanic or Latino						
American Indian or Alaska Native	18,000	13,000	D	D	D	D
Asian	1,249,000	992,000	120,000	29,000	103,000	S
Black or African American	649,000	538,000	49,000	39,000	20,000	D
Native Hawaiian or Other Pacific Islander	46,000	43,000	D	D	D	D

**Table 1-1****Employment status of scientists and engineers, by age, sex, ethnicity, race, and disability status: 2021**

(Number)

Age (years), sex, ethnicity, race, and disability status	Total	Employed		Not employed		
		Full time	Part time	Seeking employment	Not seeking employment	Retired <sup>a</sup>
White	4,788,000	3,853,000	488,000	119,000	308,000	20,000
More than one race	182,000	143,000	24,000	5,000	10,000	D
Without disability	6,875,000	5,574,000	690,000	182,000	406,000	24,000
With disability	854,000	621,000	90,000	42,000	92,000	9,000
50–75	15,487,000	7,969,000	1,973,000	538,000	590,000	4,418,000
Female	6,902,000	3,178,000	1,018,000	243,000	445,000	2,018,000
Male	8,585,000	4,791,000	955,000	295,000	145,000	2,399,000
Hispanic or Latino <sup>b</sup>	957,000	572,000	103,000	49,000	65,000	168,000
Not Hispanic or Latino						
American Indian or Alaska Native	43,000	17,000	7,000	D	D	17,000
Asian	1,515,000	937,000	148,000	74,000	77,000	279,000
Black or African American	1,020,000	643,000	105,000	52,000	47,000	173,000
Native Hawaiian or Other Pacific Islander	24,000	8,000	D	D	D	12,000
White	11,728,000	5,695,000	1,583,000	349,000	397,000	3,705,000
More than one race	199,000	97,000	26,000	10,000	2,000	63,000
Without disability	12,467,000	6,754,000	1,592,000	401,000	389,000	3,330,000
With disability	3,020,000	1,215,000	381,000	137,000	201,000	1,087,000

D = suppressed for data confidentiality reasons. S = suppressed for reliability; coefficient of variation exceeds publication standards.

<sup>a</sup> Includes those listing "retired" as a reason for not working and who are not looking for work.

<sup>b</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The National Survey of College Graduates asks the degree of difficulty none, slight, moderate, severe, or unable to do an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have a science and engineering (S&E) or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-2

## Employed scientists and engineers, by occupation, highest degree level, and sex: 2021

(Number)

Occupation	All degrees <sup>a</sup>			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	30,255,000	14,387,000	15,868,000	16,827,000	7,755,000	9,072,000	9,187,000	4,788,000	4,399,000	1,827,000	744,000	1,083,000
S&E occupations	7,894,000	2,300,000	5,594,000	4,438,000	1,099,000	3,339,000	2,411,000	816,000	1,595,000	962,000	343,000	619,000
Science occupations	5,945,000	1,988,000	3,957,000	3,216,000	919,000	2,296,000	1,827,000	708,000	1,119,000	822,000	318,000	503,000
Biological, agricultural, and other life scientist	794,000	367,000	427,000	295,000	140,000	155,000	188,000	100,000	88,000	291,000	118,000	173,000
Agricultural or food scientist	74,000	33,000	41,000	34,000	18,000	16,000	23,000	10,000	13,000	17,000	5,000	12,000
Biological and medical scientist	572,000	277,000	294,000	216,000	109,000	107,000	133,000	77,000	56,000	206,000	85,000	121,000
Environmental life scientist	45,000	12,000	33,000	26,000	6,000	21,000	16,000	5,000	S	S	S	S
Postsecondary teacher	103,000	45,000	58,000	18,000	7,000	11,000	16,000	8,000	8,000	65,000	28,000	38,000
Computer and information scientist	3,663,000	906,000	2,757,000	2,443,000	568,000	1,875,000	1,088,000	309,000	778,000	112,000	23,000	89,000
Computer and information scientist	3,627,000	896,000	2,732,000	2,438,000	566,000	1,872,000	1,072,000	304,000	769,000	96,000	20,000	76,000
Postsecondary teacher	36,000	10,000	25,000	4,000	S	3,000	15,000	6,000	10,000	16,000	3,000	13,000
Mathematical scientist	368,000	147,000	222,000	131,000	44,000	87,000	164,000	75,000	89,000	72,000	27,000	45,000
Mathematical scientist	293,000	112,000	181,000	124,000	41,000	83,000	133,000	59,000	74,000	35,000	11,000	24,000
Postsecondary teacher	75,000	35,000	41,000	7,000	3,000	4,000	31,000	16,000	15,000	37,000	16,000	21,000
Physical scientist	408,000	135,000	273,000	177,000	62,000	116,000	105,000	43,000	61,000	125,000	30,000	95,000
Chemist, except biochemist	114,000	40,000	74,000	65,000	23,000	42,000	19,000	8,000	10,000	30,000	9,000	22,000
Earth, atmospheric, and ocean scientist	91,000	22,000	69,000	40,000	12,000	29,000	32,000	6,000	26,000	17,000	4,000	14,000
Physicist	41,000	6,000	35,000	11,000	2,000	9,000	10,000	1,000	9,000	20,000	3,000	17,000
Other physical and related scientist, including astronomer	82,000	39,000	44,000	47,000	20,000	28,000	25,000	17,000	8,000	10,000	2,000	8,000
Postsecondary teacher	80,000	29,000	50,000	14,000	S	8,000	19,000	11,000	8,000	47,000	13,000	34,000
Psychologist	280,000	205,000	75,000	41,000	36,000	5,000	110,000	84,000	26,000	102,000	66,000	36,000
Psychologist	233,000	172,000	61,000	38,000	34,000	4,000	96,000	72,000	23,000	75,000	47,000	27,000
Postsecondary teacher	47,000	33,000	14,000	3,000	3,000	D	14,000	12,000	3,000	27,000	18,000	9,000
Social scientist	432,000	228,000	204,000	129,000	69,000	59,000	173,000	97,000	76,000	119,000	54,000	65,000
Economist	47,000	17,000	30,000	9,000	2,000	7,000	23,000	11,000	12,000	15,000	4,000	11,000
Political scientist	39,000	23,000	15,000	10,000	S	4,000	21,000	11,000	10,000	2,000	S	1,000
Anthropologist	13,000	4,000	9,000	3,000	1,000	2,000	7,000	2,000	5,000	3,000	1,000	2,000
Other social scientist, including sociologist	191,000	116,000	75,000	91,000	58,000	33,000	81,000	46,000	35,000	17,000	10,000	7,000
Postsecondary teacher	141,000	68,000	74,000	15,000	2,000	12,000	41,000	26,000	14,000	83,000	38,000	45,000
Engineering occupations	1,949,000	312,000	1,636,000	1,222,000	179,000	1,043,000	584,000	108,000	476,000	141,000	25,000	116,000
Aerospace, aeronautical, or astronautical engineer	127,000	18,000	109,000	66,000	11,000	55,000	53,000	6,000	46,000	9,000	D	8,000
Chemical engineer	80,000	19,000	61,000	53,000	11,000	42,000	18,000	7,000	11,000	8,000	1,000	7,000
Civil, architectural, or sanitary engineer	303,000	57,000	246,000	194,000	32,000	162,000	98,000	22,000	76,000	10,000	2,000	8,000
Electrical or computer hardware engineer	399,000	44,000	355,000	242,000	21,000	221,000	124,000	17,000	108,000	32,000	6,000	26,000
Industrial engineer	96,000	17,000	79,000	62,000	9,000	53,000	33,000	7,000	25,000	1,000	D	1,000

Table 1-2

## Employed scientists and engineers, by occupation, highest degree level, and sex: 2021

(Number)

Occupation	All degrees <sup>a</sup>			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Mechanical engineer	388,000	34,000	353,000	274,000	24,000	250,000	99,000	9,000	90,000	14,000	1,000	13,000
Other engineer	501,000	114,000	387,000	323,000	69,000	254,000	146,000	36,000	109,000	32,000	8,000	24,000
Postsecondary teacher	55,000	9,000	45,000	7,000	S	7,000	13,000	3,000	10,000	34,000	6,000	28,000
S&E-related occupations	9,522,000	5,494,000	4,028,000	5,031,000	3,044,000	1,988,000	2,578,000	1,580,000	998,000	374,000	197,000	177,000
Health-related occupation	6,136,000	4,258,000	1,878,000	3,160,000	2,457,000	703,000	1,313,000	1,027,000	286,000	237,000	142,000	96,000
S&E manager, including health	1,135,000	398,000	737,000	553,000	181,000	372,000	417,000	152,000	265,000	63,000	26,000	37,000
S&E pre-college teacher	915,000	535,000	381,000	377,000	220,000	157,000	504,000	296,000	208,000	25,000	16,000	9,000
S&E technician/ technologist	1,088,000	213,000	875,000	784,000	134,000	650,000	257,000	66,000	190,000	46,000	12,000	34,000
Other S&E-related occupation	248,000	90,000	157,000	157,000	52,000	106,000	88,000	38,000	50,000	2,000	D	1,000
Non-S&E occupations	12,840,000	6,593,000	6,246,000	7,358,000	3,612,000	3,745,000	4,198,000	2,392,000	1,806,000	491,000	204,000	287,000
Arts, humanities, and related occupation	317,000	196,000	121,000	171,000	84,000	87,000	118,000	91,000	27,000	19,000	S	3,000
Management-related occupation	3,082,000	1,539,000	1,543,000	1,819,000	914,000	905,000	1,102,000	550,000	551,000	92,000	31,000	61,000
Non-S&E manager	2,217,000	739,000	1,478,000	1,122,000	310,000	811,000	860,000	340,000	520,000	164,000	53,000	111,000
Non-S&E postsecondary teacher	185,000	96,000	89,000	24,000	10,000	14,000	55,000	29,000	26,000	94,000	51,000	43,000
Non-S&E precollege teacher	862,000	694,000	169,000	353,000	292,000	61,000	485,000	387,000	98,000	12,000	6,000	6,000
Sales and marketing occupation	1,312,000	601,000	711,000	976,000	431,000	546,000	296,000	150,000	146,000	17,000	7,000	9,000
Social service and related occupation	1,092,000	774,000	318,000	400,000	272,000	127,000	651,000	485,000	167,000	22,000	9,000	13,000
Other non-S&E occupation	3,773,000	1,955,000	1,819,000	2,492,000	1,299,000	1,193,000	631,000	360,000	272,000	71,000	29,000	42,000

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> All degrees includes professional degrees, which are not shown separately.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.



Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
All degrees <sup>b</sup>	30,255,000	2,953,000	66,000	4,240,000	2,241,000	74,000	20,007,000	673,000
S&E occupations	7,894,000	692,000	10,000	1,665,000	399,000	16,000	4,943,000	169,000
Science occupations	5,945,000	514,000	8,000	1,348,000	333,000	10,000	3,598,000	133,000
Biological, agricultural, and other life scientist	794,000	72,000	2,000	167,000	32,000	1,000	501,000	19,000
Agricultural or food scientist	74,000	9,000	D	8,000	S	D	53,000	1,000
Biological and medical scientist	572,000	52,000	S	145,000	27,000	1,000	335,000	11,000
Environmental life scientist	45,000	3,000	D	S	D	D	34,000	S
Postsecondary teacher	103,000	8,000	D	12,000	3,000	D	78,000	*
Computer and information scientist	3,663,000	305,000	4,000	992,000	210,000	6,000	2,060,000	85,000
Computer and information scientist	3,627,000	303,000	4,000	976,000	209,000	6,000	2,044,000	85,000
Postsecondary teacher	36,000	3,000	D	16,000	1,000	D	16,000	D
Mathematical scientist	368,000	23,000	D	72,000	32,000	D	237,000	4,000
Mathematical scientist	293,000	17,000	D	54,000	30,000	D	189,000	3,000
Postsecondary teacher	75,000	6,000	D	18,000	2,000	D	47,000	1,000
Physical scientist	408,000	32,000	1,000	61,000	16,000	S	288,000	9,000
Chemist, except biochemist	114,000	8,000	D	23,000	5,000	D	75,000	2,000
Earth, atmospheric, and ocean scientist	91,000	6,000	D	8,000	1,000	D	74,000	2,000
Physicist	41,000	S	D	11,000	D	D	22,000	D
Other physical and related scientist, including astronomer	82,000	5,000	D	6,000	S	D	64,000	3,000
Postsecondary teacher	80,000	8,000	D	14,000	2,000	D	54,000	1,000
Psychologist	280,000	27,000	*	15,000	12,000	D	216,000	9,000
Psychologist	233,000	25,000	*	10,000	10,000	D	180,000	S
Postsecondary teacher	47,000	2,000	D	5,000	1,000	D	36,000	2,000
Social scientist	432,000	54,000	D	42,000	32,000	S	296,000	7,000
Economist	47,000	4,000	D	5,000	1,000	D	36,000	1,000
Political scientist	39,000	S	D	3,000	D	D	24,000	1,000
Anthropologist	13,000	1,000	D	D	D	D	11,000	D
Other social scientist, including sociologist	191,000	27,000	D	18,000	17,000	*	126,000	3,000
Postsecondary teacher	141,000	13,000	D	16,000	11,000	D	99,000	2,000
Engineering occupations	1,949,000	178,000	2,000	316,000	65,000	7,000	1,345,000	36,000
Aerospace, aeronautical, or astronautical engineer	127,000	10,000	D	15,000	3,000	D	96,000	3,000
Chemical engineer	80,000	4,000	D	13,000	3,000	D	58,000	1,000
Civil, architectural, or sanitary engineer	303,000	34,000	D	40,000	10,000	D	213,000	5,000
Electrical or computer hardware engineer	399,000	33,000	D	105,000	20,000	S	232,000	7,000
Industrial engineer	96,000	12,000	D	12,000	3,000	D	67,000	1,000
Mechanical engineer	388,000	31,000	D	53,000	9,000	1,000	287,000	7,000

Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Other engineer	501,000	50,000	S	63,000	16,000	2,000	360,000	9,000
Postsecondary teacher	55,000	5,000	D	15,000	1,000	D	32,000	1,000
S&E-related occupations	9,522,000	843,000	22,000	1,264,000	756,000	36,000	6,412,000	189,000
Health-related occupation	6,136,000	575,000	13,000	820,000	534,000	30,000	4,026,000	138,000
S&E manager, including health	1,135,000	91,000	S	158,000	60,000	S	803,000	17,000
S&E pre-college teacher	915,000	51,000	S	29,000	80,000	1,000	734,000	13,000
S&E technician/technologist	1,088,000	103,000	1,000	223,000	77,000	2,000	666,000	16,000
Other S&E-related occupation	248,000	22,000	D	34,000	4,000	D	183,000	4,000
Non-S&E occupations	12,840,000	1,418,000	33,000	1,312,000	1,087,000	22,000	8,652,000	315,000
Arts, humanities, and related occupation	317,000	28,000	D	36,000	16,000	D	225,000	11,000
Management-related occupation	3,082,000	341,000	8,000	384,000	246,000	S	2,023,000	75,000
Non-S&E manager	2,217,000	185,000	5,000	270,000	133,000	S	1,573,000	43,000
Non-S&E postsecondary teacher	185,000	18,000	D	21,000	16,000	D	124,000	5,000
Non-S&E precollege teacher	862,000	111,000	2,000	43,000	85,000	2,000	605,000	13,000
Sales and marketing occupation	1,312,000	132,000	1,000	148,000	66,000	D	931,000	32,000
Social service and related occupation	1,092,000	161,000	7,000	45,000	165,000	1,000	680,000	33,000
Other non-S&E occupation	3,773,000	440,000	10,000	364,000	360,000	5,000	2,490,000	103,000
Bachelor's	16,827,000	1,824,000	36,000	2,035,000	1,184,000	51,000	11,296,000	401,000
S&E occupations	4,438,000	438,000	8,000	683,000	238,000	11,000	2,947,000	114,000
Science occupations	3,216,000	313,000	5,000	558,000	196,000	6,000	2,047,000	90,000
Biological, agricultural, and other life scientist	295,000	36,000	S	34,000	16,000	1,000	201,000	6,000
Agricultural or food scientist	34,000	5,000	D	2,000	S	D	25,000	D
Biological and medical scientist	216,000	28,000	S	30,000	14,000	1,000	137,000	5,000
Environmental life scientist	26,000	D	D	D	D	D	25,000	D
Postsecondary teacher	18,000	D	D	S	D	D	14,000	D
Computer and information scientist	2,443,000	225,000	4,000	476,000	158,000	4,000	1,505,000	70,000
Computer and information scientist	2,438,000	224,000	4,000	473,000	158,000	4,000	1,504,000	70,000
Postsecondary teacher	4,000	D	D	3,000	D	D	1,000	D
Mathematical scientist	131,000	12,000	D	16,000	8,000	D	94,000	1,000
Mathematical scientist	124,000	10,000	D	15,000	7,000	D	90,000	1,000
Postsecondary teacher	7,000	S	D	S	D	D	4,000	D
Physical scientist	177,000	17,000	*	17,000	7,000	*	129,000	6,000
Chemist, except biochemist	65,000	6,000	D	8,000	3,000	D	45,000	2,000

Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Earth, atmospheric, and ocean scientist	40,000	S	D	1,000	D	D	36,000	1,000
Physicist	11,000	S	D	3,000	D	D	5,000	D
Other physical and related scientist, including astronomer	47,000	3,000	D	2,000	S	D	37,000	2,000
Postsecondary teacher	14,000	S	D	4,000	D	D	S	D
Psychologist	41,000	1,000	D	1,000	1,000	D	34,000	D
Psychologist	38,000	1,000	D	1,000	D	D	31,000	D
Postsecondary teacher	3,000	D	D	D	D	D	3,000	D
Social scientist	129,000	22,000	D	14,000	S	D	84,000	2,000
Economist	9,000	1,000	D	1,000	D	D	S	D
Political scientist	10,000	D	D	D	D	D	9,000	D
Anthropologist	3,000	D	D	D	D	D	3,000	D
Other social scientist, including sociologist	91,000	19,000	D	8,000	S	D	57,000	2,000
Postsecondary teacher	15,000	S	D	D	D	D	8,000	D
Engineering occupations	1,222,000	125,000	2,000	125,000	42,000	5,000	899,000	24,000
Aerospace, aeronautical, or astronautical engineer	66,000	6,000	D	7,000	2,000	D	49,000	S
Chemical engineer	53,000	3,000	D	5,000	S	D	42,000	1,000
Civil, architectural, or sanitary engineer	194,000	23,000	D	18,000	7,000	D	140,000	4,000
Electrical or computer hardware engineer	242,000	22,000	D	36,000	13,000	D	163,000	5,000
Industrial engineer	62,000	8,000	D	4,000	2,000	D	47,000	*
Mechanical engineer	274,000	24,000	D	24,000	7,000	D	214,000	5,000
Other engineer	323,000	36,000	S	29,000	10,000	2,000	241,000	5,000
Postsecondary teacher	7,000	D	D	2,000	D	D	4,000	D
S&E-related occupations	5,031,000	498,000	12,000	646,000	378,000	27,000	3,372,000	98,000
Health-related occupation	3,160,000	332,000	5,000	433,000	274,000	S	2,024,000	70,000
S&E manager, including health	553,000	48,000	D	60,000	14,000	S	418,000	10,000
S&E pre-college teacher	377,000	23,000	S	12,000	32,000	*	299,000	4,000
S&E technician/technologist	784,000	82,000	1,000	121,000	55,000	1,000	512,000	12,000
Other S&E-related occupation	157,000	13,000	D	21,000	S	D	119,000	S
Non-S&E occupations	7,358,000	888,000	17,000	706,000	568,000	13,000	4,977,000	189,000
Arts, humanities, and related occupation	171,000	14,000	D	14,000	12,000	D	124,000	S
Management-related occupation	1,819,000	225,000	2,000	200,000	113,000	S	1,225,000	50,000
Non-S&E manager	1,122,000	97,000	S	114,000	46,000	S	840,000	19,000
Non-S&E postsecondary teacher	24,000	5,000	D	S	S	D	13,000	D
Non-S&E precollege teacher	353,000	58,000	S	20,000	28,000	S	238,000	7,000

Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Sales and marketing occupation	976,000	109,000	1,000	98,000	47,000	D	701,000	20,000
Social service and related occupation	400,000	70,000	S	19,000	72,000	D	227,000	9,000
Other non-S&E occupation	2,492,000	310,000	7,000	239,000	246,000	4,000	1,609,000	77,000
Master's	9,187,000	781,000	18,000	1,479,000	800,000	20,000	5,886,000	203,000
S&E occupations	2,411,000	183,000	1,000	706,000	130,000	5,000	1,344,000	41,000
Science occupations	1,827,000	141,000	1,000	563,000	109,000	4,000	977,000	32,000
Biological, agricultural, and other life scientist	188,000	14,000	D	34,000	7,000	D	123,000	S
Agricultural or food scientist	23,000	2,000	D	2,000	D	D	17,000	S
Biological and medical scientist	133,000	9,000	D	29,000	7,000	D	86,000	2,000
Environmental life scientist	16,000	S	D	D	D	D	7,000	S
Postsecondary teacher	16,000	1,000	D	3,000	D	D	12,000	D
Computer and information scientist	1,088,000	78,000	D	460,000	51,000	S	483,000	14,000
Computer and information scientist	1,072,000	76,000	D	454,000	50,000	S	476,000	14,000
Postsecondary teacher	15,000	S	D	6,000	D	D	7,000	D
Mathematical scientist	164,000	6,000	D	32,000	S	D	101,000	2,000
Mathematical scientist	133,000	5,000	D	25,000	S	D	81,000	1,000
Postsecondary teacher	31,000	2,000	D	7,000	1,000	D	20,000	S
Physical scientist	105,000	10,000	D	16,000	5,000	D	71,000	2,000
Chemist, except biochemist	19,000	1,000	D	4,000	1,000	D	13,000	D
Earth, atmospheric, and ocean scientist	32,000	2,000	D	3,000	1,000	D	25,000	1,000
Physicist	10,000	S	D	3,000	D	D	3,000	D
Other physical and related scientist, including astronomer	25,000	2,000	D	2,000	1,000	D	20,000	*
Postsecondary teacher	19,000	3,000	D	S	D	D	11,000	D
Psychologist	110,000	15,000	D	5,000	6,000	D	81,000	2,000
Psychologist	96,000	15,000	D	3,000	5,000	D	71,000	1,000
Postsecondary teacher	14,000	D	D	S	D	D	11,000	S
Social scientist	173,000	17,000	D	16,000	18,000	S	118,000	3,000
Economist	23,000	2,000	D	3,000	1,000	D	17,000	S
Political scientist	21,000	S	D	1,000	D	D	14,000	S
Anthropologist	7,000	1,000	D	D	D	D	6,000	D
Other social scientist, including sociologist	81,000	6,000	D	8,000	10,000	D	55,000	1,000
Postsecondary teacher	41,000	S	D	4,000	4,000	D	26,000	D
Engineering occupations	584,000	42,000	*	143,000	21,000	S	367,000	9,000
Aerospace, aeronautical, or astronautical engineer	53,000	4,000	D	6,000	1,000	D	40,000	1,000

Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Chemical engineer	18,000	*	D	5,000	1,000	D	12,000	D
Civil, architectural, or sanitary engineer	98,000	10,000	D	19,000	3,000	D	64,000	1,000
Electrical or computer hardware engineer	124,000	7,000	D	53,000	7,000	D	56,000	1,000
Industrial engineer	33,000	3,000	D	8,000	S	D	21,000	S
Mechanical engineer	99,000	7,000	D	22,000	2,000	D	67,000	2,000
Other engineer	146,000	10,000	D	26,000	6,000	D	101,000	3,000
Postsecondary teacher	13,000	D	D	4,000	D	D	7,000	*
S&E-related occupations	2,578,000	181,000	4,000	314,000	242,000	6,000	1,775,000	56,000
Health-related occupation	1,313,000	94,000	2,000	126,000	147,000	S	903,000	36,000
S&E manager, including health	417,000	32,000	D	83,000	29,000	D	264,000	7,000
S&E pre-college teacher	504,000	27,000	*	13,000	43,000	D	410,000	9,000
S&E technician/technologist	257,000	19,000	D	79,000	21,000	D	135,000	2,000
Other S&E-related occupation	88,000	9,000	D	12,000	S	D	63,000	S
Non-S&E occupations	4,198,000	416,000	13,000	460,000	428,000	S	2,767,000	106,000
Arts, humanities, and related occupation	118,000	13,000	D	20,000	4,000	D	76,000	5,000
Management-related occupation	1,102,000	106,000	S	157,000	120,000	D	688,000	24,000
Non-S&E manager	860,000	71,000	2,000	117,000	66,000	D	580,000	20,000
Non-S&E postsecondary teacher	55,000	5,000	D	3,000	4,000	D	40,000	3,000
Non-S&E precollege teacher	485,000	46,000	D	22,000	56,000	D	353,000	6,000
Sales and marketing occupation	296,000	22,000	D	43,000	19,000	D	201,000	11,000
Social service and related occupation	651,000	86,000	S	21,000	87,000	1,000	430,000	23,000
Other non-S&E occupation	631,000	66,000	S	77,000	74,000	S	399,000	13,000
Doctorate	1,827,000	128,000	5,000	426,000	95,000	*	1,148,000	25,000
S&E occupations	962,000	59,000	1,000	259,000	28,000	D	603,000	13,000
Science occupations	822,000	48,000	1,000	210,000	26,000	D	525,000	11,000
Biological, agricultural, and other life scientist	291,000	20,000	D	89,000	9,000	D	168,000	S
Agricultural or food scientist	17,000	2,000	D	3,000	D	D	11,000	D
Biological and medical scientist	206,000	13,000	D	78,000	6,000	D	105,000	S
Environmental life scientist	S	D	D	D	D	D	S	D
Postsecondary teacher	65,000	5,000	D	8,000	2,000	D	49,000	D
Computer and information scientist	112,000	3,000	D	52,000	2,000	D	55,000	1,000
Computer and information scientist	96,000	2,000	D	45,000	1,000	D	47,000	1,000

Table 1-3

## Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	
Postsecondary teacher	16,000	*	D	7,000	S	D	8,000	D	
Mathematical scientist	72,000	4,000	D	24,000	2,000	D	41,000	1,000	
Mathematical scientist	35,000	S	D	14,000	1,000	D	18,000	*	
Postsecondary teacher	37,000	2,000	D	10,000	1,000	D	23,000	1,000	
Physical scientist	125,000	5,000	D	28,000	3,000	D	87,000	1,000	
Chemist, except biochemist	30,000	1,000	D	11,000	S	D	17,000	D	
Earth, atmospheric, and ocean scientist	17,000	*	D	4,000	D	D	12,000	D	
Physicist	20,000	D	D	5,000	D	D	15,000	D	
Other physical and related scientist, including astronomer	10,000	1,000	D	2,000	D	D	7,000	D	
Postsecondary teacher	47,000	3,000	D	6,000	1,000	D	36,000	*	
Psychologist	102,000	7,000	*	6,000	4,000	D	81,000	3,000	
Psychologist	75,000	6,000	D	3,000	4,000	D	61,000	1,000	
Postsecondary teacher	27,000	2,000	D	3,000	1,000	D	21,000	2,000	
Social scientist	119,000	8,000	D	11,000	7,000	D	92,000	1,000	
Economist	15,000	1,000	D	2,000	*	D	12,000	D	
Political scientist	2,000	D	D	D	D	D	1,000	D	
Anthropologist	3,000	D	D	D	D	D	2,000	D	
Other social scientist, including sociologist	17,000	S	D	2,000	D	D	14,000	D	
Postsecondary teacher	83,000	6,000	D	6,000	6,000	D	64,000	S	
Engineering occupations	141,000	11,000	D	49,000	2,000	D	77,000	2,000	
Aerospace, aeronautical, or astronautical engineer	9,000	D	D	1,000	D	D	7,000	D	
Chemical engineer	8,000	D	D	4,000	D	D	4,000	D	
Civil, architectural, or sanitary engineer	10,000	1,000	D	3,000	D	D	7,000	D	
Electrical or computer hardware engineer	32,000	3,000	D	16,000	D	D	13,000	D	
Industrial engineer	1,000	D	D	1,000	D	D	D	D	
Mechanical engineer	14,000	*	D	6,000	D	D	7,000	D	
Other engineer	32,000	4,000	D	9,000	*	D	18,000	D	
Postsecondary teacher	34,000	2,000	D	9,000	1,000	D	22,000	D	
S&E-related occupations	374,000	23,000	D	84,000	24,000	D	237,000	4,000	
Health-related occupation	237,000	17,000	D	46,000	18,000	D	154,000	2,000	
S&E manager, including health	63,000	4,000	D	12,000	3,000	D	44,000	D	
S&E pre-college teacher	25,000	1,000	D	3,000	S	D	19,000	D	
S&E technician/technologist	46,000	1,000	D	22,000	2,000	D	19,000	S	
Other S&E-related occupation	2,000	D	D	1,000	D	D	*	D	
Non-S&E occupations	491,000	46,000	S	84,000	43,000	D	308,000	9,000	
Arts, humanities, and related occupation	19,000	*	D	2,000	D	D	S	D	

**Table 1-3****Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2021**

(Number)

Highest degree and occupation	All ethnicities and races	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Management-related occupation	92,000	5,000	D	15,000	8,000	D	63,000	1,000
Non-S&E manager	164,000	14,000	D	32,000	17,000	D	99,000	2,000
Non-S&E postsecondary teacher	94,000	8,000	D	16,000	9,000	D	61,000	1,000
Non-S&E precollege teacher	12,000	D	D	S	*	D	9,000	D
Sales and marketing occupation	17,000	S	D	4,000	D	D	11,000	D
Social service and related occupation	22,000	D	D	2,000	5,000	D	12,000	D
Other non-S&E occupation	71,000	15,000	D	13,000	4,000	D	35,000	S

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

<sup>b</sup> All degrees includes professional degrees, which are not shown separately.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-4

## Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2021

(Number)

Ethnicity, race, and occupation	All degrees <sup>a</sup>		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
All ethnicities and races	14,387,000	15,868,000	7,755,000	9,072,000	4,788,000	4,399,000	744,000	1,083,000
S&E occupations <sup>b</sup>	2,300,000	5,594,000	1,099,000	3,339,000	816,000	1,595,000	343,000	619,000
Science occupations	1,988,000	3,957,000	919,000	2,296,000	708,000	1,119,000	318,000	503,000
Biological, agricultural, and other life scientist	367,000	427,000	140,000	155,000	100,000	88,000	118,000	173,000
Computer and information scientist	906,000	2,757,000	568,000	1,875,000	309,000	778,000	23,000	89,000
Mathematical scientist	147,000	222,000	44,000	87,000	75,000	89,000	27,000	45,000
Physical scientist	135,000	273,000	62,000	116,000	43,000	61,000	30,000	95,000
Psychologist	205,000	75,000	36,000	5,000	84,000	26,000	66,000	36,000
Social scientist	228,000	204,000	69,000	59,000	97,000	76,000	54,000	65,000
Engineering occupations	312,000	1,636,000	179,000	1,043,000	108,000	476,000	25,000	116,000
S&E-related occupations <sup>c</sup>	5,494,000	4,028,000	3,044,000	1,988,000	1,580,000	998,000	197,000	177,000
Non-S&E occupations	6,593,000	6,246,000	3,612,000	3,745,000	2,392,000	1,806,000	204,000	287,000
Hispanic or Latino <sup>d</sup>	1,559,000	1,394,000	958,000	865,000	416,000	365,000	61,000	67,000
S&E occupations <sup>b</sup>	206,000	485,000	113,000	325,000	61,000	122,000	24,000	35,000
Science occupations	174,000	340,000	91,000	222,000	53,000	88,000	21,000	27,000
Biological, agricultural, and other life scientist	36,000	37,000	18,000	18,000	8,000	6,000	9,000	11,000
Computer and information scientist	66,000	239,000	48,000	177,000	18,000	60,000	S	2,000
Mathematical scientist	8,000	15,000	3,000	9,000	3,000	4,000	3,000	2,000
Physical scientist	11,000	21,000	5,000	12,000	5,000	5,000	2,000	4,000
Psychologist	20,000	7,000	1,000	D	12,000	3,000	4,000	3,000
Social scientist	32,000	21,000	17,000	6,000	8,000	10,000	2,000	6,000
Engineering occupations	33,000	145,000	22,000	103,000	8,000	34,000	3,000	8,000
S&E-related occupations <sup>c</sup>	537,000	307,000	342,000	156,000	107,000	75,000	14,000	9,000
Non-S&E occupations	816,000	602,000	503,000	385,000	249,000	167,000	23,000	23,000
Not Hispanic or Latino								
American Indian or Alaska Native	34,000	31,000	20,000	16,000	7,000	12,000	3,000	S
S&E occupations <sup>b</sup>	3,000	7,000	2,000	6,000	D	1,000	S	D
Science occupations	3,000	5,000	1,000	S	D	S	S	D
Biological, agricultural, and other life scientist	S	D	D	D	D	D	D	D
Computer and information scientist	D	S	D	S	D	D	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	D	1,000	D	*	D	D	D	D
Psychologist	D	D	D	D	D	D	D	D
Social scientist	D	D	D	D	D	D	D	D
Engineering occupations	D	2,000	D	2,000	D	*	D	D
S&E-related occupations <sup>c</sup>	17,000	5,000	S	1,000	S	2,000	D	D
Non-S&E occupations	14,000	20,000	7,000	9,000	5,000	8,000	D	S
Asian	1,823,000	2,418,000	929,000	1,106,000	619,000	860,000	146,000	280,000
S&E occupations <sup>b</sup>	511,000	1,154,000	200,000	483,000	225,000	481,000	81,000	178,000
Science occupations	444,000	904,000	172,000	387,000	197,000	366,000	71,000	138,000
Biological, agricultural, and other life scientist	79,000	88,000	23,000	11,000	19,000	15,000	34,000	55,000
Computer and information scientist	286,000	706,000	131,000	345,000	143,000	317,000	12,000	40,000
Mathematical scientist	29,000	43,000	6,000	S	16,000	16,000	7,000	17,000
Physical scientist	19,000	42,000	6,000	11,000	6,000	10,000	7,000	21,000
Psychologist	12,000	3,000	S	D	4,000	2,000	5,000	1,000
Social scientist	20,000	21,000	5,000	S	9,000	6,000	6,000	5,000



Table 1-4

## Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2021

(Number)

Ethnicity, race, and occupation	All degrees <sup>a</sup>		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
Engineering occupations	66,000	250,000	29,000	96,000	28,000	114,000	9,000	39,000
S&E-related occupations <sup>c</sup>	656,000	608,000	373,000	273,000	159,000	155,000	33,000	50,000
Non-S&E occupations	656,000	655,000	356,000	350,000	235,000	225,000	32,000	52,000
Black or African American	1,263,000	978,000	635,000	549,000	509,000	291,000	45,000	50,000
S&E occupations <sup>b</sup>	144,000	255,000	79,000	159,000	51,000	79,000	12,000	17,000
Science occupations	134,000	200,000	73,000	122,000	48,000	62,000	12,000	15,000
Biological, agricultural, and other life scientist	19,000	12,000	12,000	4,000	4,000	4,000	4,000	5,000
Computer and information scientist	65,000	145,000	51,000	107,000	13,000	37,000	D	1,000
Mathematical scientist	S	13,000	3,000	4,000	S	S	*	1,000
Physical scientist	4,000	12,000	2,000	S	1,000	4,000	1,000	2,000
Psychologist	8,000	4,000	D	D	4,000	2,000	3,000	D
Social scientist	19,000	13,000	S	1,000	11,000	7,000	3,000	4,000
Engineering occupations	10,000	55,000	6,000	36,000	4,000	17,000	D	2,000
S&E-related occupations <sup>c</sup>	488,000	268,000	251,000	127,000	180,000	62,000	14,000	10,000
Non-S&E occupations	632,000	455,000	305,000	263,000	278,000	151,000	19,000	23,000
Native Hawaiian or Other Pacific Islander	40,000	34,000	25,000	26,000	12,000	7,000	D	D
S&E occupations <sup>b</sup>	5,000	11,000	3,000	8,000	2,000	4,000	D	D
Science occupations	4,000	6,000	S	4,000	S	S	D	D
Biological, agricultural, and other life scientist	D	D	D	D	D	D	D	D
Computer and information scientist	S	5,000	D	3,000	D	S	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	D	S	D	*	D	D	D	D
Psychologist	D	D	D	D	D	D	D	D
Social scientist	S	*	D	D	D	D	D	D
Engineering occupations	D	5,000	D	S	D	S	D	D
S&E-related occupations <sup>c</sup>	S	18,000	S	14,000	S	3,000	D	D
Non-S&E occupations	16,000	5,000	9,000	4,000	S	S	D	D
White	9,336,000	10,670,000	5,005,000	6,291,000	3,114,000	2,772,000	473,000	675,000
S&E occupations <sup>b</sup>	1,386,000	3,557,000	675,000	2,271,000	465,000	879,000	218,000	384,000
Science occupations	1,192,000	2,406,000	559,000	1,489,000	400,000	577,000	206,000	319,000
Biological, agricultural, and other life scientist	223,000	278,000	82,000	119,000	67,000	55,000	67,000	101,000
Computer and information scientist	475,000	1,585,000	327,000	1,179,000	133,000	350,000	9,000	45,000
Mathematical scientist	89,000	147,000	31,000	63,000	41,000	60,000	17,000	25,000
Physical scientist	98,000	191,000	47,000	82,000	30,000	41,000	20,000	67,000
Psychologist	157,000	60,000	30,000	4,000	63,000	19,000	51,000	30,000
Social scientist	151,000	146,000	41,000	43,000	66,000	52,000	42,000	50,000
Engineering occupations	194,000	1,151,000	117,000	782,000	65,000	302,000	12,000	66,000
S&E-related occupations <sup>c</sup>	3,649,000	2,763,000	1,986,000	1,386,000	1,086,000	689,000	131,000	106,000
Non-S&E occupations	4,302,000	4,350,000	2,344,000	2,634,000	1,563,000	1,204,000	123,000	185,000
More than one race	331,000	342,000	183,000	218,000	111,000	92,000	16,000	10,000
S&E occupations <sup>b</sup>	45,000	124,000	26,000	88,000	11,000	30,000	7,000	6,000
Science occupations	38,000	96,000	22,000	68,000	9,000	23,000	7,000	5,000
Biological, agricultural, and other life scientist	9,000	S	4,000	2,000	2,000	S	S	1,000
Computer and information scientist	12,000	73,000	9,000	61,000	2,000	12,000	D	S
Mathematical scientist	2,000	2,000	1,000	1,000	S	1,000	D	1,000

**Table 1-4****Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2021**

(Number)

Ethnicity, race, and occupation	All degrees <sup>a</sup>		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
Physical scientist	3,000	6,000	S	4,000	S	1,000	D	1,000
Psychologist	S	2,000	D	D	2,000	D	2,000	1,000
Social scientist	5,000	2,000	S	S	2,000	1,000	S	D
Engineering occupations	8,000	28,000	5,000	20,000	3,000	7,000	D	S
S&E-related occupations <sup>c</sup>	129,000	60,000	68,000	30,000	43,000	13,000	2,000	S
Non-S&E occupations	157,000	158,000	88,000	100,000	56,000	49,000	6,000	2,000

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> All degrees includes professional degrees, which are not shown separately.

<sup>b</sup> S&E occupations include S&E postsecondary teachers.

<sup>c</sup> S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

<sup>d</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-5

## Employed scientists and engineers, by occupation, highest degree level, and disability status: 2021

(Number)

Occupation	All degrees <sup>a</sup>			Bachelor's			Master's			Doctorate		
	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability
All occupations	30,255,000	26,769,000	3,486,000	16,827,000	14,684,000	2,144,000	9,187,000	8,226,000	961,000	1,827,000	1,664,000	162,000
S&E occupations	7,894,000	7,006,000	888,000	4,438,000	3,885,000	553,000	2,411,000	2,166,000	245,000	962,000	883,000	79,000
Science occupations	5,945,000	5,248,000	698,000	3,216,000	2,804,000	412,000	1,827,000	1,623,000	204,000	822,000	751,000	71,000
Biological, agricultural, and other life scientist	794,000	708,000	86,000	295,000	254,000	41,000	188,000	166,000	22,000	291,000	270,000	21,000
Agricultural or food scientist	74,000	63,000	11,000	34,000	28,000	S	23,000	20,000	S	17,000	15,000	2,000
Biological and medical scientist	572,000	515,000	57,000	216,000	188,000	28,000	133,000	119,000	14,000	206,000	193,000	13,000
Environmental life scientist	45,000	39,000	6,000	26,000	24,000	3,000	16,000	13,000	3,000	S	S	D
Postsecondary teacher	103,000	90,000	13,000	18,000	15,000	D	16,000	13,000	3,000	65,000	59,000	S
Computer and information scientist	3,663,000	3,236,000	427,000	2,443,000	2,129,000	314,000	1,088,000	983,000	104,000	112,000	104,000	8,000
Computer and information scientist	3,627,000	3,204,000	423,000	2,438,000	2,125,000	313,000	1,072,000	968,000	104,000	96,000	91,000	5,000
Postsecondary teacher	36,000	32,000	4,000	4,000	4,000	D	15,000	15,000	D	16,000	13,000	3,000
Mathematical scientist	368,000	322,000	46,000	131,000	117,000	14,000	164,000	137,000	27,000	72,000	68,000	5,000
Mathematical scientist	293,000	254,000	39,000	124,000	110,000	14,000	133,000	109,000	24,000	35,000	34,000	1,000
Postsecondary teacher	75,000	69,000	7,000	7,000	7,000	D	31,000	28,000	3,000	37,000	34,000	4,000
Physical scientist	408,000	358,000	50,000	177,000	152,000	25,000	105,000	90,000	15,000	125,000	115,000	10,000
Chemist, except biochemist	114,000	102,000	11,000	65,000	57,000	8,000	19,000	17,000	2,000	30,000	29,000	2,000
Earth, atmospheric, and ocean scientist	91,000	79,000	13,000	40,000	34,000	6,000	32,000	27,000	6,000	17,000	17,000	D
Physicist	41,000	39,000	2,000	11,000	10,000	1,000	10,000	9,000	1,000	20,000	20,000	S
Other physical and related scientist, including astronomer	82,000	70,000	12,000	47,000	38,000	9,000	25,000	23,000	2,000	10,000	9,000	D
Postsecondary teacher	80,000	68,000	12,000	14,000	13,000	D	19,000	14,000	5,000	47,000	41,000	6,000
Psychologist	280,000	242,000	38,000	41,000	37,000	5,000	110,000	88,000	21,000	102,000	92,000	10,000
Psychologist	233,000	206,000	28,000	38,000	34,000	4,000	96,000	80,000	15,000	75,000	69,000	6,000
Postsecondary teacher	47,000	37,000	10,000	3,000	3,000	D	14,000	8,000	6,000	27,000	23,000	4,000
Social scientist	432,000	381,000	51,000	129,000	115,000	14,000	173,000	159,000	14,000	119,000	102,000	17,000
Economist	47,000	42,000	S	9,000	9,000	*	23,000	23,000	1,000	15,000	11,000	S
Political scientist	39,000	32,000	S	10,000	10,000	D	21,000	20,000	D	2,000	2,000	D
Anthropologist	13,000	12,000	1,000	3,000	3,000	*	7,000	7,000	1,000	3,000	3,000	D

Table 1-5

## Employed scientists and engineers, by occupation, highest degree level, and disability status: 2021

(Number)

Occupation	All degrees <sup>a</sup>			Bachelor's			Master's			Doctorate		
	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability
Other social scientist, including sociologist	191,000	171,000	20,000	91,000	80,000	11,000	81,000	76,000	5,000	17,000	14,000	3,000
Postsecondary teacher	141,000	123,000	19,000	15,000	13,000	D	41,000	35,000	6,000	83,000	73,000	10,000
Engineering occupations	1,949,000	1,758,000	191,000	1,222,000	1,081,000	141,000	584,000	543,000	41,000	141,000	132,000	8,000
Aerospace, aeronautical, or astronautical engineer	127,000	119,000	9,000	66,000	59,000	8,000	53,000	52,000	1,000	9,000	9,000	D
Chemical engineer	80,000	71,000	9,000	53,000	48,000	5,000	18,000	15,000	S	8,000	7,000	D
Civil, architectural, or sanitary engineer	303,000	277,000	26,000	194,000	175,000	19,000	98,000	91,000	7,000	10,000	10,000	*
Electrical or computer hardware engineer	399,000	359,000	40,000	242,000	214,000	29,000	124,000	116,000	9,000	32,000	30,000	3,000
Industrial engineer	96,000	87,000	9,000	62,000	56,000	5,000	33,000	29,000	4,000	1,000	1,000	D
Mechanical engineer	388,000	350,000	38,000	274,000	243,000	31,000	99,000	93,000	6,000	14,000	13,000	1,000
Other engineer	501,000	444,000	56,000	323,000	279,000	44,000	146,000	136,000	10,000	32,000	29,000	2,000
Postsecondary teacher	55,000	51,000	4,000	7,000	7,000	S	13,000	11,000	S	34,000	33,000	1,000
S&E-related occupations	9,522,000	8,534,000	987,000	5,031,000	4,435,000	597,000	2,578,000	2,326,000	252,000	374,000	345,000	29,000
Health-related occupation	6,136,000	5,543,000	593,000	3,160,000	2,802,000	358,000	1,313,000	1,191,000	122,000	237,000	219,000	18,000
S&E manager, including health	1,135,000	1,010,000	125,000	553,000	496,000	57,000	417,000	369,000	48,000	63,000	58,000	6,000
S&E pre-college teacher	915,000	817,000	98,000	377,000	332,000	45,000	504,000	451,000	52,000	25,000	24,000	1,000
S&E technician/ technologist	1,088,000	939,000	149,000	784,000	659,000	125,000	257,000	236,000	21,000	46,000	42,000	4,000
Other S&E-related occupation	248,000	226,000	22,000	157,000	145,000	13,000	88,000	79,000	9,000	2,000	2,000	D
Non-S&E occupations	12,840,000	11,230,000	1,610,000	7,358,000	6,364,000	994,000	4,198,000	3,734,000	464,000	491,000	436,000	55,000
Arts, humanities, and related occupation	317,000	281,000	36,000	171,000	153,000	18,000	118,000	101,000	17,000	19,000	19,000	S
Management-related occupation	3,082,000	2,718,000	364,000	1,819,000	1,568,000	251,000	1,102,000	1,003,000	98,000	92,000	83,000	9,000
Non-S&E manager	2,217,000	1,972,000	245,000	1,122,000	984,000	138,000	860,000	782,000	78,000	164,000	148,000	16,000
Non-S&E postsecondary teacher	185,000	159,000	25,000	24,000	18,000	S	55,000	48,000	7,000	94,000	84,000	10,000
Non-S&E precollege teacher	862,000	779,000	83,000	353,000	317,000	36,000	485,000	440,000	45,000	12,000	12,000	D
Sales and marketing occupation	1,312,000	1,137,000	175,000	976,000	851,000	126,000	296,000	255,000	41,000	17,000	13,000	D
Social service and related occupation	1,092,000	937,000	155,000	400,000	337,000	63,000	651,000	569,000	82,000	22,000	17,000	6,000
Other non-S&E occupation	3,773,000	3,246,000	527,000	2,492,000	2,137,000	355,000	631,000	536,000	96,000	71,000	61,000	10,000

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> All degrees includes professional degrees, which are not shown separately.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
All sectors	30,255,000	14,387,000	15,868,000	2,953,000	66,000	4,240,000	2,241,000	74,000	20,007,000	673,000	26,769,000	3,486,000
S&E occupations <sup>b</sup>	7,894,000	2,300,000	5,594,000	692,000	10,000	1,665,000	399,000	16,000	4,943,000	169,000	7,006,000	888,000
Science occupations	5,945,000	1,988,000	3,957,000	514,000	8,000	1,348,000	333,000	10,000	3,598,000	133,000	5,248,000	698,000
Biological, agricultural, and other life scientist	794,000	367,000	427,000	72,000	2,000	167,000	32,000	1,000	501,000	19,000	708,000	86,000
Computer and information scientist	3,663,000	906,000	2,757,000	305,000	4,000	992,000	210,000	6,000	2,060,000	85,000	3,236,000	427,000
Mathematical scientist	368,000	147,000	222,000	23,000	D	72,000	32,000	D	237,000	4,000	322,000	46,000
Physical scientist	408,000	135,000	273,000	32,000	1,000	61,000	16,000	S	288,000	9,000	358,000	50,000
Psychologist	280,000	205,000	75,000	27,000	*	15,000	12,000	D	216,000	9,000	242,000	38,000
Social scientist	432,000	228,000	204,000	54,000	D	42,000	32,000	S	296,000	7,000	381,000	51,000
Engineering occupations	1,949,000	312,000	1,636,000	178,000	2,000	316,000	65,000	7,000	1,345,000	36,000	1,758,000	191,000
S&E-related occupations <sup>c</sup>	9,522,000	5,494,000	4,028,000	843,000	22,000	1,264,000	756,000	36,000	6,412,000	189,000	8,534,000	987,000
Non-S&E occupations	12,840,000	6,593,000	6,246,000	1,418,000	33,000	1,312,000	1,087,000	22,000	8,652,000	315,000	11,230,000	1,610,000
Business or industry	16,656,000	6,488,000	10,168,000	1,541,000	32,000	2,765,000	1,015,000	30,000	10,910,000	362,000	14,713,000	1,943,000
S&E occupations <sup>b</sup>	5,219,000	1,221,000	3,998,000	411,000	7,000	1,236,000	246,000	10,000	3,199,000	110,000	4,660,000	559,000
Science occupations	3,690,000	993,000	2,696,000	278,000	5,000	994,000	199,000	6,000	2,125,000	83,000	3,278,000	412,000
Biological, agricultural, and other life scientist	269,000	124,000	145,000	24,000	D	63,000	11,000	D	167,000	3,000	242,000	27,000
Computer and information scientist	2,928,000	662,000	2,266,000	226,000	4,000	860,000	155,000	6,000	1,604,000	73,000	2,602,000	327,000
Mathematical scientist	200,000	78,000	122,000	10,000	D	43,000	S	D	128,000	1,000	174,000	26,000
Physical scientist	150,000	51,000	99,000	9,000	*	15,000	5,000	*	117,000	4,000	133,000	17,000
Psychologist	57,000	41,000	16,000	4,000	D	3,000	2,000	D	47,000	1,000	49,000	7,000
Social scientist	85,000	37,000	48,000	5,000	D	10,000	8,000	D	61,000	1,000	77,000	8,000
Engineering occupations	1,529,000	228,000	1,301,000	133,000	2,000	242,000	47,000	4,000	1,075,000	26,000	1,383,000	147,000
S&E-related occupations <sup>c</sup>	4,558,000	2,293,000	2,266,000	405,000	9,000	668,000	313,000	S	3,055,000	95,000	4,035,000	523,000

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
Non-S&E occupations	6,879,000	2,974,000	3,904,000	726,000	16,000	861,000	457,000	6,000	4,656,000	157,000	6,018,000	861,000
Federal government	1,408,000	594,000	814,000	154,000	2,000	148,000	180,000	5,000	879,000	41,000	1,220,000	188,000
S&E occupations <sup>b</sup>	449,000	150,000	299,000	41,000	D	49,000	46,000	S	302,000	9,000	383,000	66,000
Science occupations	317,000	125,000	192,000	24,000	D	35,000	37,000	D	214,000	5,000	267,000	50,000
Biological, agricultural, and other life scientist	64,000	32,000	32,000	4,000	D	11,000	S	D	47,000	1,000	60,000	4,000
Computer and information scientist	111,000	37,000	74,000	S	D	18,000	18,000	D	62,000	1,000	88,000	23,000
Mathematical scientist	38,000	S	24,000	3,000	D	2,000	S	D	26,000	1,000	29,000	S
Physical scientist	50,000	13,000	36,000	3,000	D	3,000	S	D	37,000	1,000	45,000	5,000
Psychologist	12,000	9,000	3,000	D	D	D	D	D	10,000	D	9,000	S
Social scientist	42,000	20,000	23,000	4,000	D	2,000	5,000	D	31,000	1,000	37,000	6,000
Engineering occupations	133,000	25,000	107,000	17,000	D	13,000	9,000	D	89,000	4,000	116,000	17,000
S&E-related occupations <sup>c</sup>	327,000	158,000	169,000	35,000	S	42,000	51,000	S	193,000	5,000	286,000	41,000
Non-S&E occupations	631,000	285,000	346,000	78,000	1,000	57,000	83,000	S	384,000	26,000	550,000	81,000
Nonprofit	3,571,000	2,360,000	1,211,000	358,000	5,000	382,000	352,000	21,000	2,368,000	84,000	3,247,000	323,000
S&E occupations <sup>b</sup>	368,000	153,000	214,000	29,000	S	53,000	21,000	D	256,000	8,000	335,000	33,000
Science occupations	337,000	148,000	190,000	27,000	D	46,000	20,000	D	237,000	7,000	306,000	31,000
Biological, agricultural, and other life scientist	59,000	28,000	31,000	4,000	D	10,000	S	D	38,000	S	56,000	3,000
Computer and information scientist	191,000	72,000	119,000	15,000	D	28,000	13,000	D	131,000	3,000	170,000	21,000
Mathematical scientist	18,000	8,000	10,000	1,000	D	3,000	D	D	13,000	D	17,000	1,000
Physical scientist	9,000	3,000	6,000	*	D	1,000	D	D	7,000	D	9,000	D
Psychologist	21,000	13,000	9,000	5,000	D	2,000	S	D	14,000	D	18,000	S
Social scientist	39,000	24,000	15,000	2,000	D	2,000	1,000	D	34,000	1,000	36,000	3,000

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
Engineering occupations	30,000	6,000	25,000	2,000	D	7,000	S	D	19,000	D	29,000	2,000
S&E-related occupations <sup>c</sup>	1,948,000	1,366,000	582,000	179,000	S	251,000	200,000	S	1,257,000	46,000	1,813,000	135,000
Non-S&E occupations	1,255,000	841,000	414,000	149,000	S	78,000	131,000	S	855,000	31,000	1,099,000	156,000
Self-employed	1,664,000	809,000	855,000	134,000	4,000	187,000	86,000	1,000	1,213,000	38,000	1,403,000	261,000
S&E occupations <sup>b</sup>	217,000	71,000	146,000	20,000	D	21,000	7,000	D	167,000	2,000	192,000	25,000
Science occupations	177,000	63,000	113,000	16,000	D	19,000	5,000	D	134,000	1,000	158,000	18,000
Biological, agricultural, and other life scientist	17,000	5,000	13,000	D	D	3,000	D	D	12,000	D	14,000	4,000
Computer and information scientist	91,000	22,000	69,000	8,000	D	14,000	D	D	65,000	D	83,000	8,000
Mathematical scientist	3,000	D	3,000	D	D	D	D	D	2,000	D	3,000	D
Physical scientist	10,000	1,000	9,000	D	D	D	D	D	10,000	D	10,000	D
Psychologist	49,000	33,000	16,000	6,000	D	2,000	1,000	D	40,000	D	44,000	6,000
Social scientist	S	2,000	S	S	D	D	D	D	S	D	S	*
Engineering occupations	41,000	8,000	33,000	4,000	D	2,000	S	D	33,000	D	34,000	7,000
S&E-related occupations <sup>c</sup>	396,000	238,000	158,000	39,000	D	64,000	17,000	D	266,000	10,000	326,000	71,000
Non-S&E occupations	1,050,000	500,000	550,000	75,000	4,000	102,000	62,000	1,000	781,000	27,000	885,000	165,000
State or local government	1,828,000	967,000	861,000	245,000	9,000	192,000	226,000	5,000	1,110,000	41,000	1,584,000	244,000
S&E occupations <sup>b</sup>	387,000	153,000	234,000	61,000	*	49,000	20,000	S	248,000	8,000	320,000	67,000
Science occupations	290,000	134,000	156,000	49,000	D	32,000	15,000	D	187,000	6,000	235,000	55,000
Biological, agricultural, and other life scientist	62,000	30,000	31,000	9,000	D	3,000	2,000	D	48,000	*	52,000	9,000
Computer and information scientist	112,000	40,000	72,000	14,000	D	23,000	8,000	D	65,000	3,000	91,000	21,000



Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
Mathematical scientist	7,000	3,000	4,000	2,000	D	1,000	1,000	D	4,000	D	6,000	S
Physical scientist	49,000	22,000	27,000	4,000	D	3,000	1,000	D	39,000	2,000	37,000	12,000
Psychologist	8,000	7,000	S	3,000	D	S	D	D	4,000	D	6,000	S
Social scientist	52,000	31,000	21,000	18,000	D	2,000	3,000	D	28,000	S	43,000	S
Engineering occupations	97,000	19,000	78,000	12,000	D	18,000	4,000	D	60,000	1,000	85,000	12,000
S&E-related occupations <sup>c</sup>	409,000	223,000	185,000	56,000	3,000	66,000	47,000	D	229,000	5,000	360,000	49,000
Non-S&E occupations	1,032,000	591,000	442,000	128,000	6,000	77,000	159,000	2,000	633,000	28,000	905,000	128,000
Universities and 4-year colleges <sup>d</sup>	2,408,000	1,291,000	1,117,000	217,000	2,000	433,000	142,000	8,000	1,562,000	44,000	2,164,000	244,000
S&E occupations <sup>b</sup>	1,047,000	437,000	610,000	101,000	*	244,000	46,000	2,000	637,000	18,000	929,000	118,000
Science occupations	934,000	412,000	522,000	90,000	*	211,000	44,000	2,000	571,000	15,000	822,000	111,000
Biological, agricultural, and other life scientist	298,000	136,000	162,000	29,000	D	76,000	13,000	D	174,000	6,000	262,000	36,000
Computer and information scientist	168,000	45,000	123,000	14,000	D	44,000	8,000	D	99,000	2,000	146,000	22,000
Mathematical scientist	68,000	29,000	39,000	6,000	D	21,000	2,000	D	39,000	1,000	61,000	7,000
Physical scientist	130,000	38,000	92,000	15,000	D	39,000	4,000	D	70,000	2,000	118,000	13,000
Psychologist	75,000	55,000	20,000	3,000	D	6,000	4,000	D	59,000	3,000	64,000	11,000
Social scientist	195,000	108,000	87,000	24,000	D	26,000	12,000	S	129,000	3,000	172,000	23,000
Engineering occupations	114,000	25,000	88,000	10,000	D	33,000	3,000	D	65,000	2,000	107,000	7,000
S&E-related occupations <sup>c</sup>	724,000	466,000	258,000	45,000	D	123,000	36,000	S	503,000	13,000	671,000	53,000
Non-S&E occupations	637,000	388,000	249,000	72,000	1,000	66,000	60,000	S	422,000	13,000	564,000	73,000
Other educational institutions	2,721,000	1,879,000	842,000	305,000	S	133,000	241,000	3,000	1,965,000	64,000	2,438,000	283,000
S&E occupations <sup>b</sup>	206,000	114,000	92,000	29,000	S	13,000	14,000	D	134,000	S	186,000	20,000
Science occupations	201,000	113,000	89,000	29,000	D	12,000	14,000	D	131,000	S	181,000	20,000

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
Biological, agricultural, and other life scientist	25,000	12,000	14,000	1,000	D	S	D	D	16,000	D	23,000	2,000
Computer and information scientist	61,000	27,000	34,000	17,000	D	4,000	4,000	D	33,000	D	55,000	6,000
Mathematical scientist	34,000	14,000	20,000	1,000	D	3,000	S	D	25,000	D	31,000	2,000
Physical scientist	10,000	S	4,000	S	D	1,000	D	D	7,000	D	8,000	2,000
Psychologist	58,000	47,000	11,000	6,000	D	2,000	3,000	D	42,000	S	53,000	5,000
Social scientist	13,000	6,000	7,000	2,000	D	S	S	D	8,000	D	12,000	S
Engineering occupations	5,000	1,000	4,000	D	D	1,000	D	D	3,000	D	5,000	D
S&E-related occupations <sup>c</sup>	1,159,000	750,000	408,000	85,000	S	49,000	92,000	1,000	910,000	15,000	1,043,000	116,000
Non-S&E occupations	1,356,000	1,015,000	341,000	191,000	3,000	71,000	135,000	2,000	921,000	33,000	1,209,000	147,000

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

<sup>b</sup> S&E occupations include S&E postsecondary teachers.

<sup>c</sup> S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

<sup>d</sup> Includes medical schools and university-affiliated research institutes.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-7

**Employed science, engineering, and health doctorate holders, by broad occupation, sex, disability status, sector of employment, and tenure status: 2021**

(Number)

Occupation, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self- employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
All occupations	872,100	157,000	50,550	53,550	79,850	27,800	322,300	60,200	52,700	19,650	42,650	5,850
Without disability	787,950	137,050	46,000	47,800	72,250	24,450	296,850	55,650	47,050	18,150	37,300	5,400
With disability	84,100	19,950	4,500	5,750	7,650	3,300	25,500	4,550	5,600	1,550	5,350	450
Female	328,500	52,400	22,200	24,200	37,450	15,150	95,600	28,150	21,250	8,200	21,750	2,200
Without disability	298,850	46,200	19,800	21,600	34,450	13,700	88,800	26,100	19,250	7,550	19,350	2,050
With disability	29,700	6,150	2,400	2,550	3,050	1,450	6,750	2,000	2,050	650	2,400	150
Male	543,550	104,600	28,350	29,400	42,400	12,600	226,750	32,050	31,400	11,500	20,900	3,650
Without disability	489,150	90,850	26,200	26,200	37,800	10,800	208,000	29,550	27,850	10,600	17,950	3,350
With disability	54,450	13,750	2,150	3,150	4,600	1,850	18,700	2,550	3,600	900	2,950	300
S&E occupations <sup>f</sup>	625,000	125,400	41,350	40,650	57,150	16,400	220,250	36,350	41,550	13,450	28,300	4,200
Without disability	565,400	109,050	37,950	36,050	51,900	14,400	203,650	33,750	37,200	12,450	25,100	3,850
With disability	59,600	16,350	3,400	4,550	5,250	2,000	16,550	2,600	4,350	1,000	3,200	350
Female	221,650	38,200	16,950	17,400	24,800	8,600	61,850	15,850	16,500	5,150	14,850	1,500
Without disability	201,350	33,500	15,350	15,300	22,950	7,750	57,550	14,800	14,850	4,700	13,250	1,400
With disability	20,300	4,700	1,650	2,050	1,900	850	4,300	1,050	1,650	400	1,600	150
Male	403,350	87,200	24,400	23,250	32,350	7,800	158,400	20,500	25,050	8,300	13,450	2,700
Without disability	364,050	75,600	22,600	20,750	28,950	6,650	146,100	18,950	22,350	7,750	11,850	2,450
With disability	39,300	11,650	1,750	2,500	3,400	1,150	12,250	1,550	2,700	550	1,600	250
Scientist	502,250	106,100	34,100	36,350	51,450	15,900	152,000	32,250	34,350	10,850	25,950	2,950
Without disability	452,700	91,850	31,350	32,200	46,650	14,050	140,150	30,050	30,700	10,050	23,000	2,750
With disability	49,550	14,250	2,750	4,150	4,800	1,900	11,900	2,200	3,650	800	3,000	200
Female	200,550	35,200	15,150	16,300	23,500	8,500	51,650	14,950	14,950	4,550	14,650	1,200
Without disability	181,950	30,700	13,800	14,350	21,700	7,650	47,950	13,950	13,500	4,200	13,050	1,100
With disability	18,600	4,500	1,300	1,950	1,800	850	3,700	1,000	1,500	350	1,600	100
Male	301,700	70,850	18,950	20,050	27,900	7,450	100,350	17,350	19,400	6,300	11,350	1,750
Without disability	270,750	61,100	17,550	17,850	24,900	6,400	92,200	16,100	17,200	5,850	9,900	1,650
With disability	30,950	9,750	1,400	2,200	3,000	1,050	8,150	1,200	2,150	450	1,400	100
Biological/ life scientist	160,850	28,100	10,050	15,700	23,300	3,650	45,600	12,600	14,250	3,300	3,550	800
Without disability	145,550	24,250	9,200	13,900	21,300	3,150	42,150	11,900	12,850	3,000	3,100	700
With disability	15,300	3,850	850	1,800	1,950	500	3,450	700	1,350	300	450	50
Female	70,300	9,050	4,500	7,050	11,900	2,400	20,200	5,500	6,600	1,450	1,150	450

Table 1-7

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self- employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Without disability	64,550	7,900	4,100	6,300	11,150	2,100	19,000	5,150	6,050	1,350	1,050	400
With disability	5,750	1,150	450	800	750	300	1,200	350	550	100	100	50
Male	90,550	19,000	5,550	8,650	11,400	1,250	25,400	7,100	7,650	1,850	2,350	350
Without disability	81,000	16,300	5,100	7,600	10,200	1,050	23,150	6,750	6,800	1,700	2,000	350
With disability	9,550	2,700	450	1,000	1,200	200	2,300	350	800	200	350	D
Computer and informational scientist	65,450	6,350	3,150	1,800	3,300	600	44,150	2,150	1,300	800	1,350	450
Without disability	60,800	5,800	2,850	1,600	3,050	550	41,350	2,000	1,150	750	1,250	450
With disability	4,650	550	250	200	250	100	2,750	200	150	D	100	D
Female	12,200	1,100	850	500	800	150	7,550	550	250	100	200	100
Without disability	11,250	1,050	750	400	750	100	7,050	500	200	100	150	S
With disability	950	50	50	S	50	D	500	50	D	D	D	D
Male	53,250	5,200	2,300	1,300	2,500	500	36,550	1,600	1,100	700	1,150	350
Without disability	49,550	4,750	2,100	1,200	2,300	400	34,300	1,500	950	650	1,050	350
With disability	3,700	500	S	150	200	D	2,250	100	150	D	100	D
Mathematical scientist	43,950	11,500	3,300	3,200	3,200	1,200	15,950	2,350	2,050	500	500	200
Without disability	40,250	10,350	2,950	2,950	2,950	950	14,850	2,200	1,850	500	450	200
With disability	3,700	1,200	300	250	200	250	1,100	150	200	D	D	D
Female	12,600	2,450	1,000	900	1,350	250	4,750	700	750	100	150	100
Without disability	11,650	2,300	900	800	1,250	200	4,500	650	700	100	150	100
With disability	950	200	100	50	100	50	300	50	D	D	D	D
Male	31,350	9,050	2,250	2,300	1,850	950	11,200	1,650	1,250	350	350	S
Without disability	28,650	8,050	2,050	2,150	1,700	750	10,400	1,550	1,150	350	350	S
With disability	2,750	1,000	S	200	100	S	800	100	100	D	D	D
Physical scientist	85,100	20,900	5,200	5,900	9,000	4,300	23,300	4,550	7,450	2,450	1,600	500
Without disability	76,500	18,200	4,900	5,200	8,150	3,850	21,100	4,150	6,750	2,250	1,500	450
With disability	8,650	2,700	250	700	850	450	2,200	400	700	150	100	S
Female	22,950	5,300	1,900	1,850	2,800	1,600	5,000	1,250	2,000	750	300	200

Table 1-7

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self- employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Without disability	20,900	4,650	1,800	1,700	2,550	1,450	4,600	1,150	1,900	650	300	150
With disability	2,050	650	100	150	250	150	450	100	150	S	D	D
Male	62,150	15,600	3,300	4,050	6,200	2,700	18,300	3,300	5,400	1,700	1,300	300
Without disability	55,550	13,550	3,100	3,500	5,600	2,400	16,500	3,000	4,850	1,600	1,200	300
With disability	6,600	2,050	200	550	600	300	1,800	300	550	100	100	D
Psychologist	78,400	12,000	3,750	3,900	6,400	3,600	17,250	6,250	5,250	2,450	17,150	350
Without disability	69,300	10,100	3,350	3,500	5,650	3,250	15,300	5,850	4,400	2,300	15,300	350
With disability	9,100	1,900	450	400	750	300	1,950	450	850	200	1,850	D
Female	50,850	6,350	2,500	2,650	3,800	2,600	11,450	4,450	3,300	1,450	12,000	200
Without disability	45,550	5,400	2,250	2,350	3,450	2,500	10,300	4,200	2,800	1,350	10,750	200
With disability	5,300	950	300	350	350	100	1,150	250	500	100	1,300	D
Male	27,550	5,650	1,250	1,250	2,600	950	5,800	1,850	1,950	1,000	5,150	150
Without disability	23,750	4,700	1,100	1,150	2,200	750	5,000	1,650	1,600	950	4,550	150
With disability	3,800	950	150	D	450	S	800	200	350	D	550	D
Social scientist	68,450	27,250	8,700	5,800	6,250	2,550	5,800	4,300	4,100	1,350	1,800	600
Without disability	60,300	23,200	8,050	5,050	5,500	2,250	5,400	3,950	3,650	1,250	1,400	600
With disability	8,150	4,050	600	750	750	300	400	400	450	100	400	D
Female	31,600	10,900	4,350	3,300	2,850	1,450	2,650	2,450	2,050	650	800	150
Without disability	28,000	9,400	4,000	2,800	2,550	1,250	2,500	2,250	1,800	600	700	150
With disability	3,600	1,500	350	500	300	200	150	200	200	50	150	D
Male	36,850	16,300	4,300	2,500	3,400	1,100	3,150	1,850	2,050	700	1,000	450
Without disability	32,300	13,750	4,050	2,250	2,950	1,000	2,900	1,700	1,850	650	700	450
With disability	4,600	2,550	250	250	450	D	250	150	200	S	300	D
Engineer	122,800	19,300	7,250	4,300	5,750	450	68,200	4,100	7,200	2,600	2,350	1,250
Without disability	112,750	17,200	6,600	3,900	5,300	400	63,550	3,700	6,500	2,400	2,150	1,100
With disability	10,050	2,100	650	450	450	S	4,700	350	700	200	200	150
Female	21,100	3,000	1,850	1,100	1,300	100	10,200	900	1,550	600	200	300
Without disability	19,400	2,750	1,500	950	1,200	100	9,600	850	1,350	500	200	300
With disability	1,700	200	300	S	S	D	600	50	S	S	D	D

Table 1-7

**Employed science, engineering, and health doctorate holders, by broad occupation, sex, disability status, sector of employment, and tenure status: 2021**

(Number)

Occupation, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self- employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Male	101,650	16,350	5,450	3,200	4,400	350	58,050	3,150	5,650	2,000	2,150	950
Without disability	93,300	14,450	5,100	2,900	4,050	300	53,900	2,850	5,100	1,900	1,950	800
With disability	8,350	1,900	350	300	350	D	4,100	300	550	150	200	150
S&E-related occupations <sup>g</sup>	100,450	12,200	6,200	7,700	10,650	5,800	35,450	11,350	5,100	2,750	2,450	750
Without disability	91,200	11,050	5,350	7,000	9,550	5,150	32,450	10,650	4,650	2,450	2,200	750
With disability	9,250	1,150	850	750	1,050	650	3,000	750	500	300	300	D
Female	43,600	6,300	3,900	3,950	5,600	3,200	10,700	5,500	1,800	1,200	1,100	350
Without disability	39,800	5,800	3,250	3,600	5,100	2,850	9,950	5,150	1,750	1,100	1,000	300
With disability	3,750	500	650	350	500	300	750	350	100	100	100	D
Male	56,900	5,900	2,300	3,750	5,050	2,600	24,700	5,900	3,300	1,550	1,350	400
Without disability	51,400	5,300	2,100	3,400	4,500	2,300	22,500	5,500	2,900	1,400	1,200	400
With disability	5,500	600	200	400	550	300	2,250	400	400	S	150	D
Non-S&E occupations	146,600	19,400	3,000	5,200	12,050	5,600	66,650	12,500	6,050	3,450	11,850	900
Without disability	131,350	16,950	2,750	4,750	10,750	4,900	60,700	11,250	5,250	3,250	10,000	800
With disability	15,250	2,450	250	450	1,300	700	5,950	1,200	750	250	1,850	50
Female	63,300	7,900	1,350	2,850	7,050	3,400	23,000	6,800	2,950	1,850	5,800	350
Without disability	57,650	6,950	1,250	2,700	6,400	3,100	21,300	6,200	2,650	1,750	5,100	300
With disability	5,650	950	100	150	650	300	1,700	600	300	100	700	S
Male	83,300	11,500	1,650	2,350	5,000	2,200	43,650	5,700	3,100	1,600	6,050	550
Without disability	73,650	10,000	1,500	2,100	4,350	1,800	39,400	5,100	2,600	1,450	4,900	500
With disability	9,650	1,500	150	300	650	400	4,200	600	450	150	1,150	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&amp;E = science and engineering.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.<sup>b</sup> Includes 2-year colleges, community colleges, technical institutes, and other precollege institutions.<sup>c</sup> Includes those self-employed in an incorporated business.<sup>d</sup> Self-employed or business owner in a nonincorporated business.<sup>e</sup> Includes employers not broken out separately.<sup>f</sup> S&E occupations include S&E postsecondary teachers.<sup>g</sup> S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

**Note(s):**

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. Estimates include those employed and living in the United States during the reference week. The Survey of Doctorate Recipients asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.

Table 1-8

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, age, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self-employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
All occupations	872,100	157,000	50,550	53,550	79,850	27,800	322,300	60,200	52,700	19,650	42,650	5,850
Under age 40	229,300	8,550	30,700	17,600	29,100	4,300	100,550	17,400	12,000	4,350	2,850	1,900
Without disability	214,700	8,000	28,450	16,100	27,350	4,000	94,950	16,500	11,150	3,900	2,450	1,850
With disability	14,600	550	2,250	1,500	1,750	300	5,600	950	850	450	350	50
Age 40 and over	642,750	148,450	19,850	35,950	50,750	23,450	221,800	42,800	40,700	15,300	39,800	3,950
Without disability	573,250	129,100	17,550	31,700	44,900	20,450	201,850	39,200	35,900	14,200	34,800	3,550
With disability	69,550	19,350	2,300	4,250	5,850	3,000	19,900	3,600	4,750	1,100	5,000	400
Female	328,500	52,400	22,200	24,200	37,450	15,150	95,600	28,150	21,250	8,200	21,750	2,200
Under age 40	96,750	3,800	13,350	8,200	14,100	2,550	35,600	8,500	5,900	2,150	1,800	800
Without disability	90,000	3,650	12,150	7,300	13,300	2,350	33,450	8,000	5,450	1,900	1,700	750
With disability	6,750	150	1,200	900	800	200	2,150	500	400	250	150	50
Age 40 and over	231,750	48,600	8,850	16,000	23,350	12,600	60,000	19,600	15,400	6,050	19,950	1,400
Without disability	208,850	42,600	7,650	14,300	21,150	11,300	55,350	18,100	13,750	5,650	17,650	1,300
With disability	22,900	6,000	1,200	1,650	2,250	1,300	4,600	1,500	1,600	400	2,300	100
Male	543,550	104,600	28,350	29,400	42,400	12,600	226,750	32,050	31,400	11,500	20,900	3,650
Under age 40	132,550	4,750	17,350	9,400	15,000	1,750	64,950	8,900	6,100	2,200	1,000	1,100
Without disability	124,700	4,350	16,300	8,800	14,050	1,650	61,500	8,450	5,700	2,000	800	1,100
With disability	7,850	400	1,000	600	950	100	3,400	450	450	200	250	D
Age 40 and over	411,050	99,850	11,000	19,950	27,400	10,850	161,800	23,200	25,300	9,250	19,850	2,550
Without disability	364,400	86,500	9,900	17,400	23,750	9,150	146,500	21,100	22,150	8,600	17,150	2,250
With disability	46,600	13,350	1,100	2,550	3,650	1,700	15,300	2,100	3,150	700	2,700	300
S&E occupations <sup>f</sup>	625,000	125,400	41,350	40,650	57,150	16,400	220,250	36,350	41,550	13,450	28,300	4,200
Under age 40	185,800	7,750	26,500	15,050	23,500	2,700	80,000	12,800	10,550	3,450	1,900	1,600
Without disability	174,250	7,250	24,750	13,750	22,050	2,500	75,550	12,150	9,750	3,200	1,700	1,550
With disability	11,550	500	1,750	1,350	1,450	200	4,450	600	800	250	150	S
Age 40 and over	439,200	117,650	14,850	25,550	33,700	13,700	140,200	23,550	31,000	9,950	26,450	2,600
Without disability	391,200	101,800	13,200	22,350	29,850	11,900	128,100	21,600	27,450	9,250	23,400	2,300
With disability	48,050	15,850	1,650	3,200	3,800	1,800	12,100	1,950	3,550	750	3,050	300



Table 1-8

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, age, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self-employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Female	221,650	38,200	16,950	17,400	24,800	8,600	61,850	15,850	16,500	5,150	14,850	1,500
Under age 40	75,050	3,350	11,200	6,750	11,050	1,600	26,300	6,050	5,100	1,650	1,350	750
Without disability	69,850	3,200	10,250	5,950	10,450	1,550	24,600	5,750	4,700	1,500	1,250	650
With disability	5,250	150	950	800	600	50	1,700	300	400	150	D	S
Age 40 and over	146,600	34,850	5,750	10,650	13,800	7,000	35,550	9,800	11,400	3,450	13,500	800
Without disability	131,550	30,300	5,050	9,400	12,500	6,200	32,950	9,100	10,150	3,200	11,950	700
With disability	15,050	4,550	700	1,250	1,250	750	2,600	750	1,250	250	1,550	50
Male	403,350	87,200	24,400	23,250	32,350	7,800	158,400	20,500	25,050	8,300	13,450	2,700
Under age 40	110,750	4,400	15,300	8,350	12,450	1,100	53,750	6,750	5,450	1,800	550	850
Without disability	104,400	4,050	14,500	7,800	11,600	1,000	51,000	6,450	5,050	1,700	450	850
With disability	6,350	350	800	550	850	S	2,750	300	400	100	100	D
Age 40 and over	292,650	82,800	9,050	14,900	19,900	6,700	104,650	13,750	19,600	6,500	12,950	1,850
Without disability	259,650	71,550	8,100	12,950	17,350	5,700	95,150	12,550	17,300	6,050	11,450	1,600
With disability	33,000	11,250	950	1,950	2,550	1,000	9,550	1,200	2,300	450	1,500	250
Scientist	502,250	106,100	34,100	36,350	51,450	15,900	152,000	32,250	34,350	10,850	25,950	2,950
Under age 40	146,450	6,300	21,450	13,400	20,800	2,600	56,600	11,300	8,500	2,800	1,750	950
Without disability	136,850	5,900	20,000	12,200	19,450	2,450	53,100	10,750	7,850	2,600	1,600	900
With disability	9,600	450	1,450	1,200	1,350	150	3,500	550	650	200	150	S
Age 40 and over	355,800	99,750	12,650	22,950	30,600	13,300	95,400	21,000	25,850	8,050	24,250	2,000
Without disability	315,850	85,950	11,350	20,000	27,150	11,550	87,050	19,300	22,850	7,450	21,400	1,800
With disability	39,950	13,800	1,300	2,950	3,450	1,750	8,350	1,650	3,050	600	2,850	150
Female	200,550	35,200	15,150	16,300	23,500	8,500	51,650	14,950	14,950	4,550	14,650	1,200
Under age 40	66,050	3,000	9,950	6,150	10,450	1,600	21,550	5,650	4,600	1,400	1,250	500
Without disability	61,400	2,850	9,150	5,450	9,850	1,500	20,100	5,350	4,200	1,300	1,200	450
With disability	4,600	150	800	700	600	50	1,450	300	350	100	D	S
Age 40 and over	134,500	32,200	5,200	10,150	13,050	6,900	30,150	9,300	10,400	3,100	13,400	700
Without disability	120,500	27,850	4,650	8,900	11,850	6,150	27,850	8,600	9,250	2,900	11,900	600

Table 1-8

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, age, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self-employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
With disability	14,000	4,350	500	1,250	1,200	750	2,300	700	1,100	250	1,550	50
Male	301,700	70,850	18,950	20,050	27,900	7,450	100,350	17,350	19,400	6,300	11,350	1,750
Under age 40	80,400	3,300	11,500	7,250	10,350	1,000	35,100	5,650	3,900	1,350	500	450
Without disability	75,450	3,050	10,850	6,800	9,600	950	33,000	5,400	3,650	1,300	400	450
With disability	5,000	300	650	450	750	50	2,050	250	250	50	100	D
Age 40 and over	221,300	67,550	7,450	12,800	17,550	6,400	65,300	11,700	15,500	4,900	10,850	1,300
Without disability	195,300	58,100	6,700	11,050	15,300	5,400	59,200	10,750	13,550	4,550	9,500	1,200
With disability	25,950	9,450	750	1,750	2,250	1,000	6,100	950	1,900	350	1,300	100
Engineer	122,800	19,300	7,250	4,300	5,750	450	68,200	4,100	7,200	2,600	2,350	1,250
Under age 40	39,350	1,400	5,050	1,700	2,650	D	23,400	1,500	2,050	700	150	600
Without disability	37,400	1,350	4,750	1,500	2,550	D	22,450	1,450	1,900	600	150	600
With disability	1,950	100	300	S	100	D	950	50	200	S	D	D
Age 40 and over	83,450	17,900	2,200	2,600	3,050	350	44,800	2,550	5,100	1,950	2,200	650
Without disability	75,350	15,900	1,850	2,350	2,700	350	41,050	2,300	4,600	1,800	2,000	500
With disability	8,100	2,000	400	250	350	D	3,750	300	500	150	200	150
Female	21,100	3,000	1,850	1,100	1,300	100	10,200	900	1,550	600	200	300
Under age 40	9,050	350	1,250	600	600	D	4,750	400	550	250	100	200
Without disability	8,400	300	1,100	500	550	D	4,500	400	500	200	100	200
With disability	600	D	150	D	D	D	250	D	D	D	D	D
Age 40 and over	12,100	2,650	600	500	750	100	5,450	500	1,000	350	100	100
Without disability	11,000	2,450	400	450	650	50	5,100	500	850	300	100	100
With disability	1,100	200	S	D	S	D	300	D	S	D	D	D
Male	101,650	16,350	5,450	3,200	4,400	350	58,050	3,150	5,650	2,000	2,150	950
Under age 40	30,300	1,100	3,800	1,100	2,100	D	18,650	1,100	1,550	450	D	400
Without disability	29,000	1,000	3,650	1,000	2,000	D	17,950	1,050	1,400	400	D	400
With disability	1,350	50	150	50	100	D	700	S	150	D	D	D
Age 40 and over	71,350	15,250	1,600	2,100	2,350	300	39,400	2,050	4,100	1,600	2,100	550

Table 1-8

## Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, age, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self-employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Without disability	64,350	13,450	1,400	1,900	2,050	250	35,950	1,800	3,750	1,500	1,900	400
With disability	7,000	1,800	S	200	300	D	3,450	250	400	100	200	150
S&E-related occupations <sup>g</sup>	100,450	12,200	6,200	7,700	10,650	5,800	35,450	11,350	5,100	2,750	2,450	750
Under age 40	21,350	400	2,500	1,750	3,300	1,150	7,950	2,750	650	400	250	150
Without disability	19,700	350	2,150	1,650	3,150	1,050	7,450	2,650	600	250	200	150
With disability	1,650	S	350	100	200	S	500	100	D	S	D	D
Age 40 and over	79,150	11,800	3,700	5,950	7,300	4,650	27,500	8,600	4,500	2,350	2,200	600
Without disability	71,500	10,700	3,200	5,350	6,450	4,100	25,000	8,000	4,000	2,200	1,950	550
With disability	7,600	1,100	500	600	850	550	2,450	650	450	150	250	D
Female	43,600	6,300	3,900	3,950	5,600	3,200	10,700	5,500	1,800	1,200	1,100	350
Under age 40	9,800	250	1,350	950	1,550	600	3,150	1,300	300	200	100	50
Without disability	8,950	200	1,100	850	1,450	550	2,950	1,300	300	150	50	50
With disability	850	D	250	100	100	S	S	D	D	D	D	D
Age 40 and over	33,800	6,050	2,500	3,000	4,050	2,550	7,600	4,150	1,500	1,000	1,050	300
Without disability	30,900	5,550	2,100	2,750	3,650	2,350	7,050	3,850	1,450	900	950	300
With disability	2,900	500	400	250	400	250	550	300	100	50	100	D
Male	56,900	5,900	2,300	3,750	5,050	2,600	24,700	5,900	3,300	1,550	1,350	400
Under age 40	11,550	150	1,150	800	1,800	550	4,800	1,450	350	200	S	S
Without disability	10,750	150	1,050	800	1,700	500	4,500	1,350	350	100	S	S
With disability	800	D	100	D	100	D	300	S	D	D	D	D
Age 40 and over	45,300	5,750	1,150	2,950	3,250	2,100	19,900	4,450	2,950	1,350	1,200	300
Without disability	40,650	5,150	1,100	2,600	2,800	1,800	18,000	4,150	2,550	1,250	1,000	250
With disability	4,700	600	S	350	450	300	1,900	300	400	S	150	D
Non-S&E occupations	146,600	19,400	3,000	5,200	12,050	5,600	66,650	12,500	6,050	3,450	11,850	900
Under age 40	22,200	400	1,700	800	2,300	450	12,550	1,850	800	500	700	150
Without disability	20,800	400	1,550	750	2,150	450	11,950	1,650	800	450	550	150
With disability	1,400	D	S	D	150	D	600	200	S	50	S	D

Table 1-8

**Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021**

(Number)

Occupation, age, disability status, and sex	Total	4-year educational institution <sup>a</sup>				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution <sup>b</sup>	Private sector, for profit <sup>c</sup>	Private sector, nonprofit	Federal government	State or local government	Self-employed <sup>d</sup>	Other <sup>e</sup>
			On tenure track	Not on tenure track								
Age 40 and over	124,400	19,000	1,300	4,400	9,750	5,150	54,050	10,600	5,200	3,000	11,150	750
Without disability	110,550	16,550	1,200	4,000	8,600	4,450	48,750	9,600	4,450	2,800	9,450	700
With disability	13,900	2,450	150	400	1,200	650	5,300	1,050	750	200	1,700	S
Female	63,300	7,900	1,350	2,850	7,050	3,400	23,000	6,800	2,950	1,850	5,800	350
Under age 40	11,950	250	800	500	1,500	350	6,200	1,150	500	250	400	50
Without disability	11,250	250	750	500	1,400	300	5,900	1,000	450	250	350	50
With disability	700	D	D	D	100	D	300	150	D	D	50	D
Age 40 and over	51,350	7,650	550	2,300	5,550	3,050	16,800	5,650	2,450	1,600	5,400	300
Without disability	46,400	6,700	500	2,150	5,000	2,800	15,400	5,150	2,200	1,500	4,750	300
With disability	4,950	950	100	150	550	300	1,450	450	300	50	650	D
Male	83,300	11,500	1,650	2,350	5,000	2,200	43,650	5,700	3,100	1,600	6,050	550
Under age 40	10,250	150	900	250	800	100	6,400	700	350	200	300	S
Without disability	9,550	150	800	250	750	100	6,050	650	300	200	150	S
With disability	700	D	S	D	D	D	350	50	D	D	S	D
Age 40 and over	73,050	11,350	750	2,100	4,250	2,050	37,250	5,000	2,750	1,400	5,750	450
Without disability	64,150	9,850	700	1,850	3,600	1,700	33,350	4,450	2,300	1,250	4,750	400
With disability	8,950	1,500	S	250	650	400	3,850	550	450	150	1,050	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&amp;E = science and engineering.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.<sup>b</sup> Includes 2-year colleges, community colleges, technical institutes, and other precollege institutions.<sup>c</sup> Includes those self-employed in an incorporated business.<sup>d</sup> Self-employed or business owner in a nonincorporated business.<sup>e</sup> Includes employers not broken out separately.<sup>f</sup> S&E occupations include S&E postsecondary teachers.<sup>g</sup> S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

**Note(s):**

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. Estimates include those employed and living in the United States during the reference week. The Survey of Doctorate Recipients asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.

Table 1-9

## Demographic characteristics of employed scientists and engineers, by sex: 2021

(Percent)

Employed scientists and engineers	Both sexes	Female	Male
Demographic characteristic (number)	30,255,000	14,387,000	15,868,000
Age			
29 and younger	15.8	17.5	14.3
30–39	28.3	29.4	27.2
40–49	23.1	23.9	22.3
50–75	32.9	29.2	36.2
Ethnicity and race			
Hispanic or Latino <sup>a</sup>	9.8	10.8	8.8
Not Hispanic or Latino			
American Indian or Alaska Native	0.2	0.2	0.2
Asian	14.0	12.7	15.2
Black or African American	7.4	8.8	6.2
Native Hawaiian or Other Pacific Islander	0.2	0.3	0.2
White	66.1	64.9	67.2
More than one race	2.2	2.3	2.2
Disability status			
Without disability	88.5	89.1	87.9
With disability	11.5	10.9	12.1
Marital status			
Married <sup>b</sup>	68.3	64.3	71.9
Widowed	0.9	1.2	0.6
Separated	0.9	1.1	0.7
Divorced	7.3	9.1	5.8
Never married	22.6	24.3	21.1
If married, spouse's employment status			
Employed	76.2	85.0	69.1
Full time	65.6	78.5	55.1
Part time	10.7	6.6	14.0
Not employed	23.8	15.0	30.9
If spouse is employed, field in which spouse's job required a bachelor's			
Engineering, computer science, math, or natural sciences	27.7	33.2	22.2
Social sciences	12.7	9.6	15.7
Other	37.6	31.9	43.2
Children living in household			
No	54.0	54.1	53.9
Yes	46.0	45.9	46.1
Citizenship			
U.S. citizen	92.6	94.4	91.0
Native	80.0	82.6	77.5
Naturalized	12.7	11.8	13.5
Non-U.S. citizen	7.4	5.6	9.0
Permanent resident	3.8	3.2	4.3
Temporary resident	3.6	2.4	4.7

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

<sup>b</sup> Includes those living in a marriage-like relationship.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have a science and engineering (S&E) or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-10

## Demographic characteristics of employed scientists and engineers, by sex, ethnicity, and race: 2021

(Percent)

Sex and demographic characteristic	Total	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Employed scientists and engineers (number)	30,255,000	2,953,000	66,000	4,240,000	2,241,000	74,000	20,007,000	673,000
Age (years)								
29 and younger	15.8	21.6	20.3	17.1	13.4	12.9	14.7	24.1
30–39	28.3	31.5	20.0	31.1	27.0	17.5	27.2	32.8
40–49	23.1	24.0	22.9	26.2	26.2	58.1	21.7	24.8
50–75	32.9	22.9	36.8	25.6	33.4	11.4	36.4	18.3
Disability status								
Without disability	88.5	87.0	84.5	92.2	86.8	94.3	88.1	87.9
With disability	11.5	13.0	15.5	7.8	13.2	5.7	11.9	12.1
Marital status								
Married <sup>b</sup>	68.3	59.3	60.4	71.4	51.5	71.0	71.0	62.8
Widowed	0.9	0.6	S	0.5	1.8	D	0.9	S
Separated	0.9	1.0	D	0.5	2.4	D	0.8	0.6
Divorced	7.3	7.6	S	3.4	11.8	S	7.7	4.9
Never married	22.6	31.4	33.1	24.2	32.5	20.9	19.6	31.0
If married, spouse's employment status								
Employed	76.2	76.6	81.9	73.3	70.8	90.5	77.1	76.9
Full time	65.6	66.0	76.1	64.6	61.8	74.5	65.8	69.3
Part time	10.7	10.6	S	8.7	9.1	S	11.3	7.5
Not employed	23.8	23.4	18.1	26.7	29.2	9.5	22.9	23.1
If spouse is employed, field in which spouse's job required a bachelor's								
Engineering, computer science, math, or natural sciences	27.7	23.5	12.2	48.2	19.8	S	24.7	29.6
Social sciences	12.7	15.0	7.1	8.1	16.3	S	13.1	12.6
Other	37.6	35.7	30.1	34.3	39.8	19.6	38.5	35.4
Children living in household								
No	54.0	56.7	60.8	48.0	51.9	37.3	54.9	60.6
Yes	46.0	43.3	39.2	52.0	48.1	62.7	45.1	39.4
Citizenship								
U.S. citizen	92.6	88.5	99.9	69.5	94.1	97.9	97.8	97.9
Native	80.0	69.4	99.3	23.4	76.8	51.9	93.5	91.1
Naturalized	12.7	19.1	D	46.1	17.3	46.0	4.2	6.8
Non-U.S. citizen	7.4	11.5	D	30.5	5.9	2.1	2.2	2.1
Permanent resident	3.8	7.0	D	12.9	3.7	S	1.5	1.6
Temporary resident	3.6	4.6	D	17.6	2.2	D	0.8	0.5
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Age (years)								
29 and younger	17.5	23.1	S	18.8	14.2	S	16.6	24.5
30–39	29.4	31.8	23.1	31.6	27.7	14.3	28.7	32.9
40–49	23.9	23.5	34.0	27.3	26.0	64.5	22.8	26.6
50–75	29.2	21.7	25.7	22.2	32.1	8.9	31.9	16.0
Disability status								
Without disability	89.1	86.4	91.5	92.6	86.8	95.7	89.2	88.5
With disability	10.9	13.6	8.5	7.4	13.2	4.3	10.8	11.5



Table 1-10

## Demographic characteristics of employed scientists and engineers, by sex, ethnicity, and race: 2021

(Percent)

Sex and demographic characteristic	Total	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Marital status								
Married <sup>b</sup>	64.3	55.7	62.3	69.2	43.8	69.4	67.6	62.4
Widowed	1.2	1.0	D	0.6	2.4	D	1.3	0.3
Separated	1.1	1.3	D	0.7	2.1	D	1.0	S
Divorced	9.1	9.0	4.2	4.8	14.7	S	9.3	5.2
Never married	24.3	33.0	32.0	24.7	37.0	20.0	20.8	31.4
If married, spouse's employment status								
Employed	85.0	85.9	85.5	84.8	75.6	91.6	85.8	82.1
Full time	78.5	77.7	81.2	78.1	69.3	89.1	79.4	77.6
Part time	6.6	8.2	D	6.7	6.3	S	6.4	4.5
Not employed	15.0	14.1	14.5	15.2	24.4	S	14.2	17.9
If spouse is employed, field in which spouse's job required a bachelor's								
Engineering, computer science, math, or natural sciences	33.2	27.7	7.7	56.8	23.0	S	30.2	33.6
Social sciences	9.6	11.6	*	7.3	12.7	D	9.7	7.1
Other	31.9	29.3	S	29.2	31.6	S	33.0	30.6
Children living in household								
No	54.1	57.1	48.9	48.4	51.6	34.4	54.8	61.2
Yes	45.9	42.9	51.1	51.6	48.4	65.6	45.2	38.8
Citizenship								
U.S. citizen	94.4	90.4	99.9	75.3	96.7	97.4	98.3	98.9
Native	82.6	73.2	99.4	28.0	83.0	40.9	94.6	92.7
Naturalized	11.8	17.2	D	47.3	13.8	S	3.7	6.2
Non-U.S. citizen	5.6	9.6	D	24.7	3.3	S	1.7	1.1
Permanent resident	3.2	6.7	D	12.3	2.6	S	1.1	0.8
Temporary resident	2.4	2.9	D	12.4	0.7	D	0.6	0.3
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Age (years)								
29 and younger	14.3	20.0	S	15.7	12.4	13.6	13.0	23.7
30–39	27.2	31.3	16.4	30.7	26.0	21.2	25.9	32.7
40–49	22.3	24.5	10.7	25.4	26.6	50.9	20.8	23.1
50–75	36.2	24.2	49.0	28.1	35.0	14.3	40.3	20.5
Disability status								
Without disability	87.9	87.6	76.9	91.9	86.8	92.6	87.2	87.3
With disability	12.1	12.4	23.1	8.1	13.2	7.4	12.8	12.7
Marital status								
Married <sup>b</sup>	71.9	63.4	58.2	73.2	61.4	72.9	74.0	63.2
Widowed	0.6	0.2	D	0.3	1.2	D	0.6	S
Separated	0.7	0.8	D	0.3	2.9	D	0.6	S
Divorced	5.8	6.0	S	2.5	8.0	S	6.3	4.7
Never married	21.1	29.6	34.3	23.8	26.6	21.9	18.5	30.5
If married, spouse's employment status								
Employed	69.1	67.5	77.6	65.2	66.4	89.3	70.2	71.8
Full time	55.1	54.4	70.2	55.0	54.8	58.3	55.0	61.3

**Table 1-10****Demographic characteristics of employed scientists and engineers, by sex, ethnicity, and race: 2021**

(Percent)

Sex and demographic characteristic	Total	Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Part time	14.0	13.1	S	10.1	11.6	S	15.2	10.4
Not employed	30.9	32.5	22.4	34.8	33.6	10.7	29.8	28.2
If spouse is employed, field in which spouse's job required a bachelor's								
Engineering, computer science, math, or natural sciences	22.2	18.1	17.9	40.2	16.5	9.9	19.3	25.2
Social sciences	15.7	19.4	S	8.9	20.0	*	16.4	18.6
Other	43.2	43.7	49.6	39.0	48.4	20.4	43.9	40.6
Children living in household								
No	53.9	56.1	73.9	47.7	52.3	40.6	55.0	59.9
Yes	46.1	43.9	26.1	52.3	47.7	59.4	45.0	40.1
Citizenship								
U.S. citizen	91.0	86.3	D	65.1	90.8	98.5	97.3	96.8
Native	77.5	65.1	99.3	20.0	68.9	64.5	92.6	89.5
Naturalized	13.5	21.2	D	45.1	21.9	34.0	4.7	7.3
Non-U.S. citizen	9.0	13.7	D	34.9	9.2	D	2.7	3.2
Permanent resident	4.3	7.3	D	13.3	5.1	D	1.8	2.4
Temporary resident	4.7	6.4	D	21.5	4.0	D	0.9	0.7

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

<sup>b</sup> Includes those living in a marriage-like relationship.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have a science and engineering (S&E) or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 1-11

## Demographic characteristics of employed scientists and engineers, by disability status and sex: 2021

(Percent)

Demographic characteristic	Total			Without disability			With disability		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Employed scientists and engineers (number)	30,255,000	14,387,000	15,868,000	26,769,000	12,821,000	13,948,000	3,486,000	1,566,000	1,920,000
Age (years)									
29 and younger	15.8	17.5	14.3	16.3	17.7	15.0	12.6	16.7	9.3
30–39	28.3	29.4	27.2	29.2	30.1	28.3	21.3	23.5	19.4
40–49	23.1	23.9	22.3	23.4	24.0	22.8	20.4	22.9	18.3
50–75	32.9	29.2	36.2	31.2	28.2	33.9	45.8	36.9	53.0
Ethnicity and race									
Hispanic or Latino <sup>a</sup>	9.8	10.8	8.8	9.6	10.5	8.8	11.1	13.6	9.0
Not Hispanic or Latino									
American Indian or Alaska Native	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.4
Asian	14.0	12.7	15.2	14.6	13.2	15.9	9.5	8.6	10.1
Black or African American	7.4	8.8	6.2	7.3	8.5	6.1	8.5	10.7	6.7
Native Hawaiian or Other Pacific Islander	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0.1	0.1
White	66.1	64.9	67.2	65.9	65.0	66.7	68.2	64.4	71.4
More than one race	2.2	2.3	2.2	2.2	2.3	2.1	2.3	2.4	2.3
Marital status									
Married <sup>b</sup>	68.3	64.3	71.9	68.7	65.4	71.8	64.9	55.4	72.7
Widowed	0.9	1.2	0.6	0.8	1.0	0.5	2.0	2.7	1.3
Separated	0.9	1.1	0.7	0.9	1.0	0.8	1.1	1.9	0.5
Divorced	7.3	9.1	5.8	6.9	8.6	5.3	10.7	12.6	9.2
Never married	22.6	24.3	21.1	22.8	23.9	21.7	21.3	27.4	16.4
If married, spouse's employment status									
Employed	76.2	85.0	69.1	77.0	85.8	69.7	69.5	77.7	64.4
Full time	65.6	78.5	55.1	66.4	79.2	55.7	58.6	70.9	50.9
Part time	10.7	6.6	14.0	10.6	6.5	14.0	10.9	6.8	13.5
Not employed	23.8	15.0	30.9	23.0	14.2	30.3	30.5	22.3	35.6
If spouse is employed, field in which spouse's job required a bachelor's									
Engineering, computer science, math, or natural sciences	27.7	33.2	22.2	27.9	33.3	22.4	26.1	32.6	21.1
Social sciences	12.7	9.6	15.7	12.6	9.6	15.7	13.1	9.4	16.0
Other	37.6	31.9	43.2	37.7	31.9	43.6	36.8	32.1	40.3
Children living in household									
No	54.0	54.1	53.9	53.3	53.2	53.5	59.0	61.3	57.2
Yes	46.0	45.9	46.1	46.7	46.8	46.5	41.0	38.7	42.8
Citizenship									
U.S. citizen	92.6	94.4	91.0	92.1	94.1	90.3	96.6	96.9	96.3
Native	80.0	82.6	77.5	79.4	82.3	76.6	84.7	85.0	84.4
Naturalized	12.7	11.8	13.5	12.8	11.7	13.7	11.9	11.9	11.9
Non-U.S. citizen	7.4	5.6	9.0	7.9	5.9	9.7	3.4	3.1	3.7
Permanent resident	3.8	3.2	4.3	4.0	3.4	4.5	2.2	2.0	2.4
Temporary resident	3.6	2.4	4.7	3.9	2.5	5.1	1.3	1.1	1.4

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.<sup>b</sup> Includes those living in a marriage-like relationship.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have a science and engineering (S&E) or S&E-related degree or occupation.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	White	3	0	1	1	1	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	1	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	White	5	9	3	5	2	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	0	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	Temporary resident	NA	1	0	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	5	5	3	9	12	12	12	19	8
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	0	3	1	2	2	1
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Asian	2	2	1	0	1	2	4	7	1	0
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	1	0	0	0	0	0	0
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	0	0	0
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	White	16	15	18	29	30	32	26	28	30	48
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	More than one race	1	0	1	1	0	1	1	1	7	1
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	2	0	1	2	0	3	4	1	1
Science and engineering	Geosciences	Earth sciences	Female	Temporary resident	NA	0	0	2	0	0	0	3	0	0	0
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	7	7	8	8	16	22	15	20	17
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	1	4	6	3	3	0	7	3
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Asian	2	2	0	1	4	2	0	6	2	4
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Black or African American	2	0	1	1	2	2	1	1	0	1
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	1
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	White	21	27	31	42	44	44	66	47	58	47

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	More than one race	1	0	1	0	1	0	1	2	5	3
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	2	1	3	3	1	3	2	0	2
Science and engineering	Geosciences	Earth sciences	Male	Temporary resident	NA	1	2	1	1	1	0	3	1	0	1
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	1	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	White	8	9	6	4	10	5	0	1	1	1
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	2	1	0	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	1	0	0	1	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	1	1	1	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	0	0	1	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Asian	0	2	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	White	27	16	28	27	25	25	2	0	2	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	1	0	0	1	0	0	0	0
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	39	47	41	42	75	82	84	83	143	140
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	28	34	36	41	44	35	31	38	44	39
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Asian	5	10	9	7	9	5	13	20	15	14
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Black or African American	4	11	6	14	10	17	18	17	17	22
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	8	16	11	11	14	10	23	22	16
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	White	641	785	756	827	834	924	944	1,035	974	1,096
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	More than one race	9	10	15	15	19	31	39	37	51	54

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	34	31	36	33	31	31	26	34	42	33
Science and engineering	Life sciences	Agricultural sciences	Female	Temporary resident	NA	4	5	8	9	22	6	9	14	8	10
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	28	44	67	73	83	98	98	116	141	128
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	38	41	39	57	52	41	36	37	35	37
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Asian	8	8	14	15	17	12	7	15	15	10
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Black or African American	8	14	14	20	20	11	14	16	27	24
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	15	11	14	16	17	23	33	21	17
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	White	1,197	1,372	1,239	1,224	1,279	1,239	1,337	1,362	1,289	1,238
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	More than one race	12	16	19	25	29	37	30	28	45	41
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	62	68	58	44	57	51	51	49	49	45
Science and engineering	Life sciences	Agricultural sciences	Male	Temporary resident	NA	6	7	8	13	70	22	11	12	10	18
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	424	654	741	885	1,003	1,098	1,290	1,560	1,819	1,872
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	36	47	54	52	47	43	50	50	56	40
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Asian	264	308	327	345	361	385	433	518	629	744
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Black or African American	183	225	257	258	290	318	305	332	423	438
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	26	13	15	13	21	20	14	21	17	16
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	White	1,066	1,190	1,279	1,337	1,419	1,446	1,524	1,559	1,748	1,661
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	More than one race	20	34	62	60	86	102	139	148	196	208
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	174	143	123	127	94	109	90	102	107	102
Science and engineering	Life sciences	Biological sciences	Female	Temporary resident	NA	55	57	77	70	61	78	97	116	199	220

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	225	293	331	373	460	521	542	638	722	726
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	10	20	25	17	17	18	18	29	19	19
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Asian	141	163	172	177	181	206	221	275	291	327
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Black or African American	89	102	106	118	141	140	168	165	137	142
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	26	12	16	16	13	9	11	20	21	10
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	White	562	632	607	678	739	821	687	821	844	850
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	More than one race	14	21	29	34	43	51	53	73	92	95
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	88	78	82	87	64	59	49	50	54	45
Science and engineering	Life sciences	Biological sciences	Male	Temporary resident	NA	37	36	37	42	31	37	46	54	71	75
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	740	796	852	870	873	730	836	833	928	981
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	112	100	115	98	91	88	67	82	69	64
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Asian	284	330	349	353	394	445	484	541	576	678
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Black or African American	1,619	1,561	1,543	1,475	1,505	1,087	1,046	989	1,019	1,139
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	49	58	53	29	41	30	22	34	28	31
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	White	4,726	4,654	4,420	3,982	3,875	3,285	3,156	2,970	2,972	2,887
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	More than one race	64	116	134	183	209	192	218	221	218	275
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	800	1,097	634	497	403	337	278	260	250	291
Science and engineering	Math and computer sciences	Computer science	Female	Temporary resident	NA	166	118	129	144	173	184	197	274	336	354
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,771	3,288	3,598	3,704	3,728	3,041	3,422	3,595	3,765	4,001
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	216	237	247	260	207	189	189	182	171	157



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Asian	1,154	1,255	1,421	1,424	1,513	1,518	1,681	1,879	1,988	2,105
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Black or African American	3,659	3,843	4,110	4,195	4,173	2,831	2,778	2,781	2,818	2,824
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	97	132	137	145	112	76	107	85	102	88
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	White	17,622	18,337	18,277	17,438	16,634	14,099	14,356	14,165	14,024	13,342
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	More than one race	236	306	494	555	601	682	677	712	792	906
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,977	4,590	2,000	1,890	1,515	1,215	1,085	1,036	1,038	1,023
Science and engineering	Math and computer sciences	Computer science	Male	Temporary resident	NA	383	372	384	401	374	483	580	795	845	875
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	138	127	151	191	207	261	349	404	415	471
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	5	5	9	3	4	5	7	8	4
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	101	67	94	104	134	170	216	276	321	306
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	42	12	27	13	27	34	33	24	41	37
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	4	0	0	2	2	6	1	4	4
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	222	214	231	241	316	292	338	357	416	395
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	8	4	14	22	29	29	34	59	64	70
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	80	14	15	25	30	23	17	22	29	22
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	Temporary resident	NA	20	32	22	43	34	54	86	105	134	134
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	203	271	321	486	574	747	782	1,014	1,104	1,219
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	13	17	9	13	12	10	10	16	10	15
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	123	130	184	206	294	305	389	492	586	628
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	49	49	43	47	62	67	73	92	77	70

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	3	3	4	5	8	9	6	3
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	469	451	540	602	790	786	863	919	1,054	1,052
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	13	16	35	30	65	80	85	104	135	141
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	98	61	61	53	53	59	35	79	58	72
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	Temporary resident	NA	55	54	47	52	61	101	125	155	169	198
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	1	0	0	1	0	2	1
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Asian	0	0	0	0	0	0	1	0	0	0
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	0	0	0	1	1
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	White	1	2	1	1	0	1	1	3	3	3
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	0	1	1	1
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	0	0	0	0	1	0	0
Science and engineering	Physical sciences	Astronomy	Female	Temporary resident	NA	0	0	0	0	0	1	0	0	0	0
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	1	2	2	1	3	3	3	5
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Asian	0	0	1	1	0	1	0	1	1	1
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	1	0	1	0	0
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	White	0	2	0	3	2	2	6	2	5	2
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	1	1	0	0	0	0	0	0
Science and engineering	Physical sciences	Astronomy	Male	Temporary resident	NA	0	0	0	0	1	0	0	0	0	0
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	34	58	64	80	81	96	105	167	161	176
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	4	1	2	2	3	0	0	1

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Asian	58	67	64	88	90	100	118	127	162	153
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Black or African American	7	8	18	9	14	17	28	24	25	28
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	2	2	1	0	0	2	1
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	White	98	86	125	115	157	159	200	212	203	209
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	More than one race	2	7	9	4	17	19	24	14	29	33
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	19	10	16	12	10	14	14	15	9	12
Science and engineering	Physical sciences	Chemistry	Female	Temporary resident	NA	16	19	12	9	12	15	20	20	33	34
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	40	59	76	101	127	120	109	162	179	139
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	4	1	4	2	1	0	3	0	0
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Asian	46	64	68	71	80	64	60	77	104	107
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Black or African American	6	9	11	9	18	13	14	22	15	14
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	1	1	1	1	0	1	2
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	White	102	101	120	145	171	174	171	206	226	198
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	More than one race	2	3	9	18	12	14	18	17	21	30
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	13	21	22	23	19	19	8	9	8	11
Science and engineering	Physical sciences	Chemistry	Male	Temporary resident	NA	12	14	7	12	13	5	15	20	19	21
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	25	29	33	43	57	88	83	146	146	149
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	1	1	0	1	0	2	0
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Asian	6	9	18	22	39	40	46	79	94	83
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Black or African American	4	1	2	2	8	5	5	4	7	8

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	2	0	0	1	0	1
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	White	21	20	27	45	50	57	76	101	109	129
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	More than one race	1	0	3	3	7	10	15	19	22	21
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	3	2	4	8	2	2	8	11	6
Science and engineering	Physical sciences	Physics	Female	Temporary resident	NA	4	3	3	7	7	7	17	25	22	35
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	50	73	94	126	185	275	283	411	448	429
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	2	2	3	2	2	4	0	3
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Asian	15	35	41	66	88	94	114	149	192	193
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Black or African American	16	8	6	8	7	12	14	19	20	19
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	2	2	1	4	0	2
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	White	91	105	119	144	221	252	292	311	358	347
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	More than one race	0	5	7	11	24	34	22	35	50	50
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	16	17	16	18	13	11	9	27	19	20
Science and engineering	Physical sciences	Physics	Male	Temporary resident	NA	5	8	5	14	16	19	24	34	41	58
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	127	187	189	236	278	324	367	420	402	461
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	19	19	18	23	28	21	16	24	26	31
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Asian	131	133	148	142	177	184	185	196	248	219
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Black or African American	220	254	264	254	222	254	300	327	369	277
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	3	6	7	5	11	10	6	4	4
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	White	419	482	528	549	570	556	570	535	598	566

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	More than one race	18	24	26	38	44	55	45	65	82	75
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	58	47	48	46	59	77	65	68	49	54
Science and engineering	Physical sciences	Other physical sciences	Female	Temporary resident	NA	85	85	92	92	107	108	102	128	158	120
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	125	192	217	266	327	359	377	438	492	446
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	23	16	25	18	22	18	21	25	30	22
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Asian	117	153	167	187	225	227	228	288	260	275
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Black or African American	109	113	121	140	133	163	154	179	170	142
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	6	11	10	6	9	6	5	5	5
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	White	615	710	804	830	759	877	875	945	847	792
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	More than one race	20	28	58	61	68	67	80	96	84	91
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	106	102	127	99	88	120	104	101	114	107
Science and engineering	Physical sciences	Other physical sciences	Male	Temporary resident	NA	136	158	135	172	220	209	268	248	251	218
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	706	1,056	1,476	2,019	2,587	3,441	3,803	4,443	5,321	5,905
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	57	72	68	91	104	97	84	82	104	91
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Asian	116	161	245	312	382	483	568	608	703	893
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Black or African American	253	335	338	462	556	639	651	700	740	797
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	13	10	25	14	15	30	34	26	29	35
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	White	1,570	1,672	2,050	2,389	2,496	2,754	2,867	2,979	3,368	3,754
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	More than one race	41	65	134	182	250	267	321	354	465	550
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	170	218	238	197	211	220	190	258	209	286

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Psychology	Psychology	Female	Temporary resident	NA	44	32	48	68	85	80	92	117	139	154
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	238	308	454	629	792	1,093	1,165	1,336	1,512	1,707
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	24	16	17	12	20	29	30	21	25	25
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Asian	58	82	119	168	180	232	256	276	314	371
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Black or African American	61	81	119	125	142	192	191	198	209	260
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	9	6	9	5	11	12	2	8	8
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	White	433	501	631	730	740	832	805	845	1,057	1,050
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	More than one race	12	20	35	44	83	104	115	127	148	172
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	53	70	101	66	58	76	66	71	81	95
Science and engineering	Psychology	Psychology	Male	Temporary resident	NA	12	5	14	12	30	22	32	45	49	47
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	35	50	51	74	92	159	185	248	277	329
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	4	4	2	3	3	3	5	6	12
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Asian	11	10	9	13	17	19	25	23	33	30
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Black or African American	4	2	5	7	11	12	12	14	18	23
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	0	1	3	0	1	2	0
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	White	91	125	115	127	143	216	228	221	258	249
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	More than one race	5	6	13	22	11	30	30	29	41	47
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	13	13	11	13	8	16	9	8	10	14
Science and engineering	Social sciences	Anthropology	Female	Temporary resident	NA	3	1	2	0	4	3	1	8	2	8
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	14	43	44	34	39	72	89	107	109	135

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	3	0	1	2	2	5	1	2	3
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Asian	4	6	10	9	7	13	19	14	26	21
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Black or African American	1	4	3	0	5	2	2	6	4	5
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	0	1	0	2	4	0	1
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	White	39	57	51	74	83	90	104	111	127	124
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	More than one race	0	4	3	3	5	9	6	11	22	20
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	8	4	5	6	7	5	8	4	11
Science and engineering	Social sciences	Anthropology	Male	Temporary resident	NA	0	1	0	0	3	3	1	3	7	6
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	28	29	32	50	40	55	55	89	100	116
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	59	47	49	50	58	51	47	54	56	31
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Asian	2	6	4	9	6	4	3	10	7	6
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Black or African American	17	9	17	17	12	21	18	35	32	36
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	6	14	11	12	8	8	12	11
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	White	29	23	28	38	50	41	48	44	44	50
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	More than one race	3	3	9	17	33	31	25	47	37	25
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	5	4	6	4	4	9	6	11	2
Science and engineering	Social sciences	Area and ethnic studies	Female	Temporary resident	NA	6	4	5	9	3	11	6	6	7	11
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	13	16	28	34	38	39	55	75	92	85
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	27	22	22	34	27	31	16	25	38	25
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Asian	1	4	6	4	4	6	15	15	12	10

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Black or African American	5	9	10	22	19	21	26	33	42	42
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	3	5	3	4	7	3	2	3	3
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	White	11	5	18	25	39	36	48	61	79	62
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	More than one race	0	1	5	7	10	12	11	18	31	22
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	3	6	1	6	2	7	2	7	1
Science and engineering	Social sciences	Area and ethnic studies	Male	Temporary resident	NA	5	0	0	1	1	1	0	7	3	5
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	33	50	61	61	76	96	149	172	237	353
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	0	0	0	0	0	2	3	1
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Asian	15	22	25	14	32	73	99	129	196	308
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Black or African American	5	7	8	7	5	5	15	19	18	21
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	3	0	3	3	2	3
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	White	62	51	74	54	89	96	164	218	253	271
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	More than one race	0	1	3	0	5	18	20	21	40	54
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	8	8	10	8	3	9	21	13	17
Science and engineering	Social sciences	Economics	Female	Temporary resident	NA	23	21	21	24	32	64	106	139	146	166
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	49	52	71	81	96	145	206	284	402	570
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	4	1	1	3	0	1	2	9	2
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Asian	24	27	30	22	44	69	121	127	226	373
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Black or African American	13	3	10	12	7	23	25	26	24	39
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	3	3	2	2	2



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	White	81	100	116	103	133	181	296	342	478	513
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	More than one race	4	3	10	6	5	15	23	47	57	69
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	16	14	14	10	4	14	16	29	28	36
Science and engineering	Social sciences	Economics	Male	Temporary resident	NA	22	37	32	28	33	77	87	160	142	179
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	1	3	2	1	0	1	2	13
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Asian	0	0	0	3	2	3	0	1	1	2
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	1	0	0	0	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	White	0	1	0	7	2	3	1	0	1	0
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	0	0	0	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	2	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Female	Temporary resident	NA	0	0	1	2	0	0	0	0	1	1
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	4	1	0	0	1	0	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Asian	0	0	1	1	0	0	1	1	1	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	2	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	White	0	0	0	1	1	1	0	0	3	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	2	0	0	0	0	0	1
Science and engineering	Social sciences	Linguistics	Male	Temporary resident	NA	0	0	0	1	0	0	0	0	0	0
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	448	531	637	769	880	865	1,069	1,081	1,176	1,296

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	59	52	69	52	65	68	60	59	65	74
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Asian	54	61	92	77	104	138	122	138	170	188
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Black or African American	901	1,163	1,312	1,413	1,286	1,349	1,334	1,427	1,224	1,098
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	20	21	23	12	17	11	22	18	23	22
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	White	1,681	1,931	2,585	2,739	2,590	2,194	2,142	1,924	1,788	1,669
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	More than one race	30	47	98	105	130	192	149	146	174	160
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	564	903	503	396	359	296	188	163	241	397
Science and engineering	Social sciences	Political science and public administration	Female	Temporary resident	NA	24	34	44	40	47	56	59	60	55	60
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	126	155	179	257	309	351	488	511	571	583
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	15	18	18	17	13	14	7	18	16	12
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Asian	24	22	45	45	62	74	78	102	109	110
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Black or African American	168	240	232	286	302	253	268	268	241	219
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	3	6	1	6	4	5	7	8	7
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	White	360	437	559	556	543	569	613	633	633	630
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	More than one race	7	16	24	40	46	53	54	58	64	77
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	95	166	101	93	66	76	41	51	53	47
Science and engineering	Social sciences	Political science and public administration	Male	Temporary resident	NA	10	12	22	13	10	31	30	35	46	26
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	209	289	473	721	956	1,341	1,747	2,212	2,660	3,010
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	6	13	19	22	17	14	19	19	12	25
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Asian	42	35	68	102	106	172	151	222	275	282

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Black or African American	84	109	131	122	177	203	198	292	313	343
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	6	7	7	5	13	8	6	15	17
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	White	243	261	391	418	489	574	637	641	783	823
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	More than one race	7	15	28	56	69	79	81	130	139	183
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	36	41	42	59	39	42	46	59	70	74
Science and engineering	Social sciences	Sociology	Female	Temporary resident	NA	10	10	11	11	14	13	17	20	26	31
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	61	101	143	226	311	427	498	625	660	866
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	3	4	7	8	6	11	12	8	12
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Asian	16	21	47	52	65	79	119	112	103	128
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Black or African American	24	34	45	54	59	72	81	100	118	130
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	3	4	2	4	6	10	3	7
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	White	89	99	151	153	186	189	200	217	249	266
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	More than one race	8	9	11	21	27	24	38	50	52	50
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	18	15	17	13	20	13	15	20	25	22
Science and engineering	Social sciences	Sociology	Male	Temporary resident	NA	2	6	7	2	4	7	4	8	12	19
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,810	2,182	2,446	2,605	2,740	3,074	3,125	3,315	3,654	3,818
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	163	154	142	140	120	93	100	99	79	95
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Asian	602	650	724	690	776	723	732	713	769	782
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Black or African American	1,402	1,289	1,135	1,031	1,077	1,006	978	930	871	850
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	131	115	89	51	66	39	44	47	50	36



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	0	0	0	0	1
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	White	0	2	0	0	1	0	0	2	9	17
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	0	0	0	1	1
Science and engineering	Engineering	Aerospace engineering	Male	Temporary resident	NA	0	0	1	0	0	0	0	0	0	0
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	3	2	0	3	3	0	2	3
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	0	0	0	0
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Asian	1	2	1	0	2	1	0	1	0	3
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	0	1	0	0	0	1	0
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	White	2	0	3	3	6	4	6	4	3	7
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	1	0	0	2	1	1
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	0	0	0	0	2	0	1	0	1
Science and engineering	Engineering	Chemical engineering	Female	Temporary resident	NA	3	0	1	2	3	0	5	9	5	4
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	2	2	2	1	1	4	4	4
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	1	0	1	0	0
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Asian	1	1	2	0	2	5	1	3	1	1
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Black or African American	1	0	3	1	0	1	3	0	1	3
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	White	12	8	5	8	20	14	11	9	19	10
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	More than one race	0	0	0	0	3	0	1	1	1	1
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	0	0	0	5	2	3	1	0	1
Science and engineering	Engineering	Chemical engineering	Male	Temporary resident	NA	6	1	2	1	4	4	8	5	9	2

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	5	7	11	6	11	10	12	7	12
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	0	0	0	0
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Asian	0	2	1	1	0	0	1	0	2	2
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Black or African American	2	1	0	0	2	4	1	2	2	2
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	1	0	4
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	White	10	11	15	13	4	9	10	7	11	6
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	0	0	0	1	0	0	0	0
Science and engineering	Engineering	Civil engineering	Female	Temporary resident	NA	0	2	2	1	0	1	4	2	2	1
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	16	23	40	36	40	45	40	27	24
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	3	0	2	1	1	0	0
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Asian	3	3	3	4	10	7	5	10	11	12
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Black or African American	2	1	4	6	4	6	9	8	3	7
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	1	1	1
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	White	35	39	49	24	38	35	52	29	46	33
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	More than one race	1	1	2	2	0	1	2	2	0	3
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	2	4	1	2	2	2	2	2	1
Science and engineering	Engineering	Civil engineering	Male	Temporary resident	NA	6	7	9	4	1	7	5	10	8	4
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	6	6	3	7	7	7	10	18	6
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	2	1
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Asian	0	3	1	4	4	2	5	4	15	7

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Black or African American	5	3	6	4	2	3	3	9	9	4
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	1	0	0	0	0
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	White	16	3	13	10	20	9	16	25	23	21
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	2	1	0	3	3	2
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	2	3	1	1	0	3	1	3	5
Science and engineering	Engineering	Electrical engineering	Female	Temporary resident	NA	1	2	0	2	2	5	2	3	4	6
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	41	30	36	62	61	71	78	69	80	58
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	0	1	2	0	2	2	1	4
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Asian	11	16	15	25	25	29	32	40	30	30
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Black or African American	18	14	11	40	50	56	46	48	39	34
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	2	2	3	2	6	4	0	7
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	White	78	97	93	132	141	134	157	150	148	140
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	More than one race	0	0	4	2	6	8	9	8	17	8
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	12	21	3	17	10	22	12	20	17	14
Science and engineering	Engineering	Electrical engineering	Male	Temporary resident	NA	9	9	9	12	10	14	11	24	14	16
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	0	1	0	3	0	0	3	0	1
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	1
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Asian	0	0	0	0	0	0	0	1	1	0
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Black or African American	1	0	0	0	0	0	0	4	0	0
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	White	4	7	6	2	4	3	6	8	6	9

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	0	1	0	0
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	1	1	0	1	1	0	1	2	1
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	9	5	11	22	6	10	7	3	10
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	0	0	1	0	0	1	0	0
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Asian	0	2	1	0	3	0	1	1	4	3
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Black or African American	2	3	3	0	7	6	3	3	5	3
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	White	45	43	39	50	50	47	44	41	44	38
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	2	0	0	1	0	0
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	2	8	2	5	8	3	7	5	5
Science and engineering	Engineering	Industrial engineering	Male	Temporary resident	NA	0	0	0	0	1	1	0	1	0	2
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	0	0	1	0	0	0	1	0	0
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	White	0	0	1	2	1	1	0	2	0	0
Science and engineering	Engineering	Materials engineering	Female	Temporary resident	NA	0	0	0	0	0	0	0	1	0	0
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	1	1	1	6	3	2	4
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	1	0	0	0	0	0
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	White	5	1	4	7	8	9	6	1	4	3
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Materials engineering	Male	Temporary resident	NA	0	0	0	0	0	1	0	1	1	0
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	5	5	2	7	6	12	9	10	20



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Asian	3	2	8	4	3	2	2	8	9	5
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Black or African American	1	0	0	0	1	3	0	4	1	1
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	White	7	4	6	7	16	16	10	31	19	25
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	More than one race	0	0	1	0	0	1	3	1	4	5
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	2	0	1	3	2	1	3	1	1
Science and engineering	Engineering	Mechanical engineering	Female	Temporary resident	NA	0	0	0	4	5	6	10	6	5	3
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31	27	27	28	29	54	75	63	72	48
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	2	0	1	1	0	0	0	0
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Asian	9	10	14	14	9	17	24	20	27	27
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Black or African American	0	4	3	7	3	9	8	8	7	5
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	0	0	1	2	0	0	1	1
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	White	62	92	93	111	94	145	123	124	149	140
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	More than one race	4	6	5	5	3	7	8	7	16	8
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	8	11	6	15	18	12	14	17	9
Science and engineering	Engineering	Mechanical engineering	Male	Temporary resident	NA	12	15	9	24	19	18	27	35	50	29
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	54	72	88	88	109	130	175	220	192	229
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	6	8	11	8	8	5	7	5	10	17
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Asian	25	45	45	54	75	85	102	105	95	117
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Black or African American	22	31	26	33	27	50	41	58	82	72

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	5	3	1	2	3	1	2	0	2
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	White	208	202	230	247	290	326	395	378	366	440
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	More than one race	2	2	4	17	13	23	18	30	29	44
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	23	23	21	35	26	19	25	30	40	32
Science and engineering	Engineering	Other engineering	Female	Temporary resident	NA	22	35	22	23	36	52	67	84	86	84
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	257	282	376	458	532	644	746	825	865	843
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	33	20	29	25	22	24	39	28	29	36
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Asian	146	186	200	251	272	300	389	418	392	404
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Black or African American	129	179	188	217	225	270	281	316	311	307
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	18	12	15	17	10	9	4	12	11	7
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	White	1,313	1,559	1,709	1,891	2,169	2,162	2,298	2,452	2,404	2,570
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	More than one race	18	16	42	61	71	108	107	130	144	147
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	77	129	143	120	149	157	162	173	132	140
Science and engineering	Engineering	Other engineering	Male	Temporary resident	NA	125	168	119	123	147	128	216	247	234	229
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	51	61	60	59	49	64	70	63	96	93
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	1	0	1	0	1	1	4	1
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Asian	16	17	17	12	19	14	16	27	16	18
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Black or African American	10	18	6	5	6	8	8	7	5	13
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	0	0	1	0	0	1	2	1
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	White	163	139	63	47	54	53	64	66	78	72

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	More than one race	2	4	2	2	2	3	6	5	6	7
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	9	19	6	4	9	5	3	6	6	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	Temporary resident	NA	9	8	13	8	10	8	8	10	13	21
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	100	118	122	105	123	141	137	155	176	129
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	1	0	1	2	1	5	4	1
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Asian	31	30	21	15	19	14	15	26	16	38
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Black or African American	13	14	14	19	24	17	18	17	13	28
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	5	12	0	3	1	0	0	0	1
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	White	149	151	125	126	148	138	135	145	131	160
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	More than one race	0	3	2	3	5	4	11	5	9	4
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	25	13	17	12	14	11	8	7	6	7
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	Temporary resident	NA	6	13	9	6	11	7	14	8	12	24
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,538	1,782	1,929	1,996	2,195	2,281	2,339	2,403	2,770	3,012
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	87	105	107	87	94	89	81	71	65	70
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Asian	699	699	635	668	692	656	679	733	792	839
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Black or African American	963	883	972	953	979	986	947	801	819	875
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	46	56	53	38	39	38	34	26	21	22
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	White	7,512	7,521	7,443	6,889	6,839	6,479	6,045	5,788	5,828	5,717
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	More than one race	145	215	296	312	383	402	412	434	461	544
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,024	1,111	878	815	718	554	420	410	423	472

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Arts and music	Arts and music	Female	Temporary resident	NA	686	664	768	646	716	755	835	740	809	726
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,239	1,430	1,528	1,690	1,790	1,782	1,745	1,889	2,140	2,183
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	84	86	75	104	74	69	63	42	52	54
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Asian	374	387	362	350	359	344	395	423	504	469
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Black or African American	853	900	1,007	998	956	923	886	837	892	844
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	33	37	32	37	32	27	25	18	22	21
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	White	4,755	4,851	4,887	4,562	4,057	3,818	3,651	3,482	3,416	3,313
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	More than one race	96	129	221	250	231	227	266	318	326	341
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	853	1,182	762	642	584	463	348	416	450	676
Non-science and engineering	Arts and music	Arts and music	Male	Temporary resident	NA	315	341	297	300	322	328	345	348	384	297
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	9,175	10,022	10,230	10,751	11,408	12,080	12,793	12,912	13,274	13,819
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	972	953	953	915	841	828	731	756	744	674
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Asian	3,579	3,812	3,795	3,945	4,247	4,379	4,464	4,753	4,750	4,617
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Black or African American	14,708	14,399	12,556	12,277	12,404	11,980	11,616	10,995	10,293	9,815
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	459	425	390	387	330	277	323	341	305	289
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	White	47,160	47,136	43,903	41,455	40,565	37,605	35,430	32,800	30,995	29,465
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	More than one race	892	1,118	1,326	1,486	1,592	1,952	1,740	1,994	1,957	2,084
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6,706	6,667	5,126	5,095	4,171	3,250	2,830	2,698	3,060	3,484
Non-science and engineering	Business and management	Business and management	Female	Temporary resident	NA	2,413	2,399	2,235	2,316	2,339	2,314	2,407	2,654	2,788	2,635
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4,898	5,681	5,790	6,578	7,488	8,018	8,821	9,346	9,926	10,074

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	451	425	389	380	394	361	373	367	351	326
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Asian	2,284	2,403	2,526	2,767	2,903	3,161	3,404	3,573	3,603	3,778
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Black or African American	5,684	6,020	5,720	5,920	6,209	5,817	5,774	5,135	4,999	4,780
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	243	227	216	212	199	155	165	171	172	158
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	White	26,403	25,950	25,165	24,182	24,678	23,645	23,590	22,912	22,614	21,313
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	More than one race	484	564	717	801	1,001	1,188	1,217	1,268	1,404	1,415
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,980	3,798	3,004	2,738	2,465	2,203	1,940	1,821	1,969	1,689
Non-science and engineering	Business and management	Business and management	Male	Temporary resident	NA	1,553	1,526	1,518	1,575	1,573	1,705	1,799	2,075	2,073	1,992
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	294	356	518	730	1,075	1,323	1,452	1,656	1,877	2,064
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	11	11	9	10	21	11	19	22	27	26
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Asian	81	73	116	162	181	259	284	331	354	355
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Black or African American	144	204	211	287	343	407	450	440	457	443
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	14	18	12	14	9	15	13	18	23
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	White	1,044	1,138	1,322	1,407	1,600	1,646	1,711	1,743	1,784	1,812
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	More than one race	16	38	85	88	143	186	159	212	275	257
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	114	99	115	107	107	95	96	100	88	99
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	Temporary resident	NA	74	83	101	106	129	159	148	159	157	161
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	198	280	364	527	667	792	945	1,085	1,298	1,497
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	18	17	15	19	18	21	10	26	22
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Asian	45	58	96	106	137	183	227	211	251	318

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Black or African American	127	155	168	205	284	281	393	311	351	379
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	12	9	10	7	5	13	8	14	18	11
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	White	897	968	1,150	1,156	1,284	1,310	1,367	1,373	1,486	1,492
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	More than one race	15	21	40	71	80	101	114	145	170	177
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	102	106	129	99	89	75	102	103	91	79
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	Temporary resident	NA	28	31	30	43	38	54	49	45	67	68
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	3	3	0	0	1	0	0	1	2
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	3	1	1	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Asian	3	1	0	3	0	1	0	1	0	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Black or African American	6	2	1	1	2	2	3	2	2	2
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	1	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	White	21	21	14	17	19	18	18	11	15	15
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	More than one race	0	1	0	0	1	1	1	0	1	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	0	0	1	1	1	0	0
Non-science and engineering	Education	Mathematics education	Female	Temporary resident	NA	0	1	1	0	0	2	0	0	1	0
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	2	0	1	0	2	1	1	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	1	1	0	0	0
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Asian	0	0	0	0	1	0	1	2	4	0
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Black or African American	1	2	1	1	1	4	3	2	1	3
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	0

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	White	20	13	10	13	16	5	7	16	12	5
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	More than one race	0	0	1	0	0	0	0	0	0	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	1	1	1	0	1	0	1	0
Non-science and engineering	Education	Mathematics education	Male	Temporary resident	NA	0	0	1	0	1	1	1	1	0	0
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,654	2,918	2,857	2,905	3,222	3,500	3,621	3,937	4,291	4,273
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	363	388	385	373	343	370	299	299	299	298
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Asian	285	326	291	286	344	353	392	417	436	442
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Black or African American	2,502	2,632	2,659	2,454	2,573	2,290	2,232	2,102	2,003	1,984
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	138	124	125	139	143	133	156	127	171	124
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	White	10,880	10,794	9,922	9,340	8,810	8,673	8,327	7,885	7,877	7,597
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	More than one race	157	183	226	263	328	346	374	401	452	452
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,280	1,248	854	653	624	553	516	488	481	451
Non-science and engineering	Education	Non-science education	Female	Temporary resident	NA	168	213	184	180	152	159	157	185	211	229
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	455	547	534	609	656	738	767	898	871	821
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	100	92	83	95	65	72	63	58	48	45
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Asian	70	79	76	83	102	99	102	121	134	112
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Black or African American	479	491	505	504	518	484	489	479	510	468
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	60	59	51	59	59	61	51	57	50	38
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	White	2,215	2,112	1,862	1,769	1,624	1,580	1,501	1,428	1,336	1,325
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	More than one race	34	42	53	82	78	104	99	124	104	103

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	294	317	206	142	133	132	118	98	89	98
Non-science and engineering	Education	Non-science education	Male	Temporary resident	NA	57	45	42	49	44	43	45	53	68	52
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	3	0	2	1	0	2	3	1	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	8	0	0	0	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Asian	0	3	0	1	0	0	3	0	0	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Black or African American	0	1	1	0	3	3	1	2	1	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	White	7	9	9	15	7	15	24	10	10	12
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	More than one race	1	0	0	0	0	0	1	0	1	1
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	0	2	1	4	0	0	1	1	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	1	2	1	1	1	0	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	1	2	0	0	0	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Asian	0	2	0	1	0	0	0	0	0	1
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	0	2	0	0	0	0	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	White	9	18	15	20	19	31	28	20	21	19
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	More than one race	0	0	1	0	0	0	0	0	0	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	0	0	0	3	0	0	1	0	0
Non-science and engineering	Education	Science education	Male	Temporary resident	NA	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	1	0	2	2	0	2	1	0	0
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Asian	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Black or African American	1	2	2	0	1	0	1	2	2	0



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	0
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	White	14	6	4	8	8	9	4	8	2	4
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	More than one race	0	0	1	0	1	0	0	1	1	0
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	2	0	0	0	0	0	1	0	1
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	1	0	0	0	0	2	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	0	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Asian	1	0	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Black or African American	2	4	1	3	0	0	5	0	1	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	White	22	16	12	13	17	11	17	19	9	13
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	More than one race	0	0	0	0	1	1	2	0	0	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	2	5	1	3	5	1	1	1	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	0	6	1	1	5	7	4	1	3
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	7	3	4	0	3	4	0	2	4	6
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Asian	3	1	0	0	0	1	0	0	0	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Black or African American	27	16	7	4	11	6	10	5	4	7
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	White	94	41	20	38	27	24	34	26	29	40
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	More than one race	3	1	0	1	0	1	2	1	0	2
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	0	1	0	0	2	1	1	0	1
Non-science and engineering	Education	Other science/ technical education	Female	Temporary resident	NA	0	0	0	0	1	0	0	0	1	0

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	5	3	4	5	3	3	4	8	2
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	2	2	2	3	4	3	1	3	1
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Asian	1	2	0	1	0	2	1	0	1	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Black or African American	21	14	4	6	8	14	10	10	4	7
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	White	105	79	32	36	21	31	40	31	37	33
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	More than one race	1	0	0	0	0	2	4	0	1	3
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	0	1	1	2	0	0	0	1	1
Non-science and engineering	Education	Other science/ technical education	Male	Temporary resident	NA	3	1	0	0	0	2	0	0	0	2
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	227	260	319	309	443	577	705	885	896	968
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	8	7	7	14	13	2	9	7	10
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Asian	78	67	74	63	83	99	128	125	147	125
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Black or African American	73	70	77	82	94	70	101	118	122	132
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	5	4	2	7	4	5	4	3
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	White	469	461	493	542	572	645	669	698	744	829
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	More than one race	10	22	28	43	47	66	72	80	130	114
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	79	58	46	41	28	31	39	17	38	27
Non-science and engineering	Humanities	English and literature	Female	Temporary resident	NA	12	20	18	22	20	28	36	25	30	23
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	147	140	153	194	237	315	338	420	447	446
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	2	2	4	4	10	6	0	2

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Asian	43	44	43	35	51	66	78	65	83	76
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Black or African American	32	28	22	28	39	51	54	40	79	57
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	2	2	2	1	1	2	1	3
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	White	221	224	235	244	313	267	325	370	378	418
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	More than one race	3	5	21	17	21	25	40	42	52	59
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	27	33	26	19	17	17	14	19	17	22
Non-science and engineering	Humanities	English and literature	Male	Temporary resident	NA	5	10	4	6	11	20	15	16	11	7
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	228	270	304	358	376	476	568	647	755	892
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	8	2	8	9	12	8	5	2	6	4
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Asian	18	17	35	41	40	43	42	41	53	74
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Black or African American	18	18	17	25	18	21	19	35	30	31
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	2	1	4	0	2	0	2	1
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	White	421	378	426	422	235	218	261	301	279	233
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	More than one race	8	9	14	25	29	40	25	39	46	32
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	31	26	30	24	20	24	22	25	27	22
Non-science and engineering	Humanities	Foreign languages	Female	Temporary resident	NA	45	36	34	53	29	31	39	27	36	24
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	77	111	120	114	176	190	212	251	267	275
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	4	3	2	2	1	6	5	2
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Asian	17	21	25	23	36	37	29	41	44	39
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Black or African American	8	11	8	9	6	5	18	14	11	16

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	1	0	2	0	0	1	1	0	0
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	White	134	140	154	157	123	130	167	155	158	173
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	More than one race	4	6	9	9	17	13	15	23	24	18
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	15	14	10	14	11	16	18	12	13	13
Non-science and engineering	Humanities	Foreign languages	Male	Temporary resident	NA	25	17	19	20	15	11	13	7	14	15
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	59	80	95	119	151	234	223	303	370	524
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	5	5	9	12	7	7	7	10
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Asian	6	8	12	12	15	25	23	29	36	57
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Black or African American	11	9	19	14	27	24	23	21	33	35
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	1	2	3	2	2	3	2	3
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	White	188	192	189	221	248	294	310	364	357	446
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	More than one race	6	5	14	25	29	27	30	40	52	60
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	21	22	15	15	14	21	18	15	19	27
Non-science and engineering	Humanities	History	Female	Temporary resident	NA	5	2	1	2	2	2	2	3	3	6
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	94	107	137	201	247	345	412	545	607	657
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	5	7	7	6	9	3	16	8	9
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Asian	7	10	26	17	38	49	50	68	80	89
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Black or African American	17	20	13	27	38	27	28	39	32	43
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	4	0	5	1	1	2	1	2	9
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	White	232	305	331	355	408	467	531	578	661	709

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	More than one race	5	7	23	22	21	27	40	54	64	74
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	39	26	30	23	23	24	28	24	33	28
Non-science and engineering	Humanities	History	Male	Temporary resident	NA	2	5	1	2	2	4	6	7	8	10
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	16	15	16	15	14	22	29	49	55	81
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	0	1	1	1	0	1	2
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Asian	2	2	2	3	3	1	7	9	13	15
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Black or African American	1	1	1	3	0	1	0	4	3	5
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	2	0	1	1	1	0	0
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	White	16	14	16	23	21	33	37	45	48	77
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	More than one race	1	1	1	3	1	3	5	5	15	9
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	3	2	1	0	1	3	4	3	7
Non-science and engineering	Humanities	Other humanities	Female	Temporary resident	NA	0	2	0	1	1	0	4	5	2	2
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	23	18	37	42	43	49	61	99	101	118
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	1	0	0	1	0	2	2
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Asian	4	1	9	7	9	9	17	12	25	15
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Black or African American	2	3	2	6	4	6	4	6	11	9
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	2	0	0	0	0	0	0	0
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	White	38	54	31	44	57	71	97	101	107	101
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	More than one race	0	2	3	1	6	10	9	6	11	14
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	5	6	7	6	6	2	4	5	5

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Other humanities	Male	Temporary resident	NA	0	1	1	1	2	0	0	6	3	7
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,536	2,002	2,539	3,144	3,695	4,395	5,002	5,645	6,359	6,306
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	66	66	62	64	61	71	51	68	54	58
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Asian	1,020	1,225	1,328	1,472	1,687	1,741	1,905	2,112	2,403	2,273
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Black or African American	538	589	653	766	817	985	998	950	941	917
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	60	63	44	58	59	80	56	60	64	55
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	White	4,357	4,823	5,196	5,554	5,747	5,903	5,787	5,329	5,439	5,144
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	More than one race	102	165	215	339	438	447	521	603	646	713
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	472	472	460	430	331	376	284	351	334	291
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	Temporary resident	NA	175	163	193	225	250	240	276	296	369	344
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	890	1,176	1,575	1,960	2,230	2,658	2,893	3,267	3,609	3,637
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	43	31	27	41	34	38	43	39	47	33
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Asian	633	805	971	1,066	1,199	1,318	1,382	1,484	1,783	1,762
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Black or African American	288	336	364	420	500	497	533	480	515	491
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	32	37	40	40	26	54	32	47	42	33
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	White	3,100	3,540	3,808	4,166	4,333	4,305	4,303	4,081	4,000	3,835
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	More than one race	63	102	172	213	325	347	363	409	480	469
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	355	361	336	264	280	260	227	246	290	210
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	Temporary resident	NA	114	154	155	147	215	269	268	269	318	307
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	85	37	40	29	18	26	30	56	44	62

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	7	10	6	7	2	6	11	7	18
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Asian	20	0	10	3	2	2	0	5	3	8
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Black or African American	40	36	53	36	23	27	30	34	46	59
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	4	3	1	0	1	5	5	13	5
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	White	99	107	128	111	73	61	79	96	138	128
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	More than one race	4	4	3	6	2	5	5	5	6	10
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	373	49	76	61	13	18	18	22	20	20
Non-science and engineering	Law	Law	Female	Temporary resident	NA	0	3	2	5	4	2	2	3	1	1
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	32	14	20	18	9	10	1	13	17	24
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	6	2	8	1	1	3	1	3	9
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Asian	15	3	0	1	0	1	0	3	1	2
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Black or African American	17	17	11	8	8	10	10	9	10	14
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	1	1	4	2	0	1	1	0	2
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	White	67	55	44	60	27	23	28	37	39	39
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	More than one race	1	4	1	5	1	1	1	2	6	5
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	287	5	17	23	2	9	6	4	4	6
Non-science and engineering	Law	Law	Male	Temporary resident	NA	1	1	1	3	2	2	0	0	2	0
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	276	364	397	548	488	443	404	398	433	457
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	25	54	61	45	28	42	54	54	63	68
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Asian	62	66	48	58	49	77	54	70	85	182

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Black or African American	289	289	244	242	340	445	345	374	399	381
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	4	7	9	10	19	8	8	14	25
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	White	1,276	1,134	1,159	967	937	857	763	788	868	892
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	More than one race	18	20	32	37	41	57	52	48	59	68
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	68	95	68	56	49	53	45	50	58	72
Non-science and engineering	Life sciences	Medical sciences	Female	Temporary resident	NA	18	8	10	13	13	12	13	14	23	24
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	65	102	103	163	137	150	115	112	117	104
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	21	7	12	5	6	5	12	10	11
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Asian	14	22	18	19	31	29	27	43	44	65
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Black or African American	55	53	50	61	74	92	78	87	67	75
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	4	3	6	2	6	4	6	8	5
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	White	343	406	338	309	293	222	220	232	199	192
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	More than one race	3	7	9	10	9	9	14	12	13	19
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	22	28	26	18	16	30	13	6	16	20
Non-science and engineering	Life sciences	Medical sciences	Male	Temporary resident	NA	4	8	5	7	6	3	7	5	6	10
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	8,030	8,681	9,137	9,656	10,201	10,380	11,119	11,636	12,635	14,109
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	630	613	708	706	683	601	683	644	747	684
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Asian	3,223	3,088	3,047	2,963	2,965	2,978	3,043	3,202	3,468	3,947
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Black or African American	7,822	8,522	8,843	9,367	9,055	8,870	9,151	9,852	10,950	11,207
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	331	205	227	243	245	231	229	259	290	242



Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	White	52,963	53,117	54,148	53,664	51,817	48,972	47,308	46,499	47,367	48,569
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	More than one race	782	857	1,156	1,191	1,385	1,535	1,653	1,927	2,354	2,527
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,585	3,130	3,405	3,090	2,918	2,882	2,256	2,331	2,863	3,148
Non-science and engineering	Life sciences	Other life sciences	Female	Temporary resident	NA	776	681	635	553	506	442	459	476	521	690
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,564	1,881	2,020	2,327	2,544	2,640	2,861	2,938	3,230	3,566
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	110	101	92	116	109	95	110	112	114	106
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Asian	1,004	846	958	933	960	985	1,078	1,155	1,270	1,348
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Black or African American	1,080	1,212	1,301	1,533	1,381	1,343	1,383	1,512	1,569	1,630
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	64	65	68	76	68	68	61	80	95	78
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	White	7,467	8,345	8,680	8,744	8,317	7,948	7,708	7,711	7,811	7,945
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	More than one race	171	152	218	243	296	316	379	412	477	559
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	634	610	678	732	651	581	522	541	590	540
Non-science and engineering	Life sciences	Other life sciences	Male	Temporary resident	NA	246	216	146	142	108	127	113	131	129	194
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31,132	37,743	39,165	41,583	46,007	51,401	55,594	60,661	67,221	69,956
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2,054	2,156	2,219	2,212	2,211	2,111	2,124	2,165	2,138	1,993
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Asian	7,997	8,681	8,959	9,014	9,276	9,809	10,336	10,969	11,944	12,062
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Black or African American	26,225	30,897	30,443	31,142	32,985	33,860	33,444	33,374	33,806	32,879
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1,037	954	955	968	914	861	836	839	831	773
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	White	120,743	129,087	130,616	130,839	131,632	131,671	129,714	129,289	128,856	125,917
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	More than one race	2,609	3,573	4,764	5,748	6,552	7,374	7,892	8,915	9,899	10,328

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	11,573	11,552	10,826	9,567	9,684	8,781	8,661	8,341	8,166	7,986
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	Temporary resident	NA	3,945	4,082	4,044	4,156	4,385	4,809	5,126	5,647	5,895	5,642
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	20,401	24,374	25,675	27,207	29,583	32,884	34,414	37,181	41,532	41,376
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1,400	1,573	1,475	1,440	1,494	1,427	1,500	1,514	1,394	1,280
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Asian	6,502	6,926	7,119	7,419	7,449	8,030	8,290	8,646	9,704	9,494
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Black or African American	15,547	17,552	17,809	18,116	19,092	19,805	19,359	19,419	19,308	18,291
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	760	734	758	793	742	711	706	721	692	605
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	White	96,242	101,890	102,288	103,505	104,247	103,137	102,901	102,006	101,156	95,183
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	More than one race	1,746	2,422	3,229	4,066	4,450	5,064	5,332	6,160	6,734	6,807
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	9,448	9,454	9,044	8,990	8,541	7,764	7,481	7,142	7,338	6,341
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	Temporary resident	NA	2,968	3,164	3,209	3,212	3,652	4,025	4,338	4,762	4,970	4,674
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	46	44	45	78	63	65	64	77	74
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	3	2	7	9	4	11	7	6	6
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Asian	18	1	6	5	6	7	12	10	9	4
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Black or African American	101	124	138	158	192	169	183	156	135	135
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	1	1	1	5	1	2	4	2	6
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	White	249	288	301	319	535	612	581	584	650	703
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	More than one race	0	2	7	5	12	16	17	26	25	29
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	25	16	25	31	30	43	38	30	26
Non-science and engineering	Religion and theology	Religion and theology	Female	Temporary resident	NA	7	5	3	5	19	19	18	20	24	28

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	32	44	43	65	83	60	66	70	66	65
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	0	1	4	8	7	7	3	5	8
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Asian	8	4	4	3	11	5	14	8	6	10
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Black or African American	93	110	119	119	149	147	140	138	119	126
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	6	4	0	2	4	3	3	1	4
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	White	326	308	323	385	415	435	1,038	865	866	916
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	More than one race	1	7	7	6	15	14	15	17	11	14
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	14	20	34	32	42	44	65	48	45	45
Non-science and engineering	Religion and theology	Religion and theology	Male	Temporary resident	NA	8	6	4	6	21	17	17	33	29	42
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	582	592	626	585	620	603	686	700	755	707
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	71	55	89	69	70	59	74	62	45	58
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Asian	127	147	147	153	149	142	131	187	214	228
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	707	650	678	572	680	604	593	516	522	449
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	15	17	13	15	24	22	11	10	18
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	White	2,987	2,773	2,772	2,506	2,405	2,426	2,448	2,593	2,638	2,246
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	More than one race	71	78	122	113	111	150	138	139	162	163
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	301	540	261	216	229	187	142	149	155	161
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	Temporary resident	NA	61	63	64	58	84	105	132	106	100	93
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,906	4,560	4,224	3,929	4,056	3,757	3,749	4,028	4,163	4,072
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	328	322	335	294	318	261	224	245	242	220

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Asian	880	847	876	813	891	742	769	843	814	727
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	3,612	3,658	3,714	3,371	3,602	2,720	2,562	2,302	2,260	1,931
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	88	87	113	82	80	84	100	83	68	63
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	White	21,804	21,586	20,851	19,363	19,186	17,718	17,854	17,563	16,569	15,040
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	More than one race	258	306	521	585	601	581	604	634	665	621
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,198	4,150	1,811	1,663	1,439	1,231	971	963	991	882
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	Temporary resident	NA	227	201	254	253	228	310	362	314	358	330
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	9,435	12,489	12,541	12,642	12,811	13,025	13,277	13,423	13,617	11,713
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	731	871	863	795	745	743	704	627	607	517
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Asian	2,573	3,140	3,003	3,043	2,857	2,825	2,911	2,879	3,125	2,676
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Black or African American	13,702	15,548	14,214	12,512	12,720	12,377	12,039	10,320	9,287	7,894
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	324	284	277	281	250	253	230	222	199	201
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	White	54,229	59,035	56,292	52,911	50,676	47,982	45,367	41,685	39,244	34,380
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	More than one race	850	1,187	1,460	1,459	1,615	1,886	1,817	1,903	1,949	1,820
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7,714	8,291	6,980	7,466	5,101	3,650	2,815	2,460	3,126	3,206
Non-science and engineering	Science and engineering technologies	Health technologies	Female	Temporary resident	NA	483	538	507	422	410	385	452	475	512	453
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,436	3,175	3,195	3,322	3,371	3,424	3,468	3,645	3,539	3,110
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	136	163	159	160	141	144	116	116	115	81
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Asian	1,092	1,346	1,270	1,349	1,280	1,276	1,273	1,197	1,304	1,130
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Black or African American	2,116	2,380	2,269	2,148	2,276	2,098	1,971	1,747	1,592	1,401

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	135	132	153	146	118	119	109	101	99	97
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	White	9,961	11,291	10,907	10,365	9,750	9,265	8,751	8,250	8,077	7,139
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	More than one race	203	305	292	324	365	438	433	416	497	441
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,304	1,437	1,187	1,254	900	769	614	668	671	618
Non-science and engineering	Science and engineering technologies	Health technologies	Male	Temporary resident	NA	153	174	170	180	127	137	133	135	147	115
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	90	90	116	128	166	227	272	289	348	400
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	6	5	9	4	5	10	9	8	8	15
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Asian	51	56	55	61	85	83	112	98	119	143
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Black or African American	103	116	89	98	102	117	152	169	180	255
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	5	2	5	6	5	4	3	4
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	White	408	515	515	603	534	596	661	727	710	876
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	More than one race	11	12	25	27	35	33	47	56	70	73
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	25	30	29	34	43	37	45	51	41	34
Non-science and engineering	Science and engineering technologies	Science technologies	Female	Temporary resident	NA	17	22	22	29	18	19	15	19	25	33
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	145	201	234	228	285	377	468	501	511	562
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	12	9	10	8	12	16	15	15	13
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Asian	36	65	58	70	84	114	109	117	99	105
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Black or African American	119	131	160	168	174	238	248	238	257	229
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	5	1	3	2	6	1	3	1	8
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	White	880	885	920	894	958	1,054	1,169	1,074	1,035	1,181

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	More than one race	6	18	39	51	28	46	48	53	46	51
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	50	39	44	41	42	35	39	37	37	40
Non-science and engineering	Science and engineering technologies	Science technologies	Male	Temporary resident	NA	18	22	27	14	18	23	31	17	37	38
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	21	20	30	23	26	34	24	62	50	39
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	1	0	1	2	2	4	3	0
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Asian	7	11	9	9	6	2	4	13	10	11
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	23	50	41	33	41	24	34	43	55	33
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	0	1	4	1	2	1	2	0
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	White	94	120	130	104	120	100	127	140	139	127
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	More than one race	4	6	7	12	10	9	14	11	14	16
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	9	5	11	4	6	3	7	6	4	5
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	84	79	93	122	147	97	114	144	143	139
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	5	7	5	14	12	9	5	2	8
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Asian	32	33	28	17	33	37	38	38	28	22
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	69	96	70	116	129	131	107	118	107	75
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	8	3	6	9	4	5	5	4	1
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	White	459	514	526	551	632	533	561	593	577	479
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	More than one race	9	14	13	46	26	38	30	15	41	26
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	30	21	33	35	25	20	15	28	23	11
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	403	525	450	496	488	505	549	530	526	529

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	44	48	39	44	48	56	61	60	56	48
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Asian	22	27	16	17	13	22	21	25	21	38
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Black or African American	769	817	606	625	546	622	533	500	465	390
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	0	2	4	4	1	5	1	3	1
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	White	1,460	1,702	1,280	1,145	1,062	1,082	978	894	849	736
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	More than one race	26	28	17	35	29	43	43	49	55	48
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	150	127	92	84	66	74	59	66	63	44
Non-science and engineering	Social service professions	Social service professions	Female	Temporary resident	NA	16	18	14	20	15	25	12	7	28	8
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	56	78	76	76	89	73	58	76	67	51
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	9	6	6	12	5	6	17	9	9	12
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Asian	7	2	2	4	8	5	4	9	5	5
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Black or African American	139	175	116	120	121	110	97	79	79	43
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	0	1	1	1	0	1	4	0	1
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	White	200	278	216	201	204	186	155	178	129	138
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	More than one race	6	8	3	8	9	1	7	14	12	5
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	40	26	11	14	15	10	11	5	6	10
Non-science and engineering	Social service professions	Social service professions	Male	Temporary resident	NA	1	7	1	6	4	1	2	2	2	1
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6,056	7,849	7,860	7,828	8,343	8,672	9,003	9,052	9,767	10,287
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	341	414	372	356	311	337	274	319	249	247
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Asian	724	887	833	779	800	901	790	802	900	872

Table 2-1

## Associate's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Black or African American	7,244	8,139	7,519	7,137	7,057	6,710	5,801	4,867	5,062	4,568
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	161	174	132	108	136	123	130	129	113	110
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	White	17,453	18,585	18,054	16,256	15,599	14,442	12,739	11,583	10,915	10,264
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	More than one race	508	552	624	700	748	845	756	761	784	809
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,536	4,425	2,968	2,322	2,336	1,894	1,006	898	894	908
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	Temporary resident	NA	290	345	299	369	333	370	389	431	464	391
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4,595	5,923	6,215	5,946	6,263	6,410	6,164	6,168	6,160	6,132
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	253	243	218	238	215	199	201	203	175	163
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Asian	805	923	880	832	829	858	804	782	786	832
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Black or African American	3,211	3,740	3,708	3,469	3,456	3,286	2,657	2,467	2,340	2,013
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	177	153	155	143	132	134	139	95	106	101
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	White	18,707	19,698	18,831	17,368	16,395	15,031	13,542	12,248	11,737	10,541
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	More than one race	426	411	458	544	621	661	635	620	606	627
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,036	3,749	2,529	2,189	2,102	1,745	948	843	915	1,024
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	Temporary resident	NA	176	209	243	237	212	258	250	282	266	221

NA = not available.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Race and ethnicity data are available only for U.S. citizens and permanent residents; temporary visa holders include all racial or ethnic groups. Data are based on degree-granting, primarily postsecondary institutions eligible to participate in Title IV federal financial aid programs.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022, Table Builder) of the National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, provisional release data.



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	15	13	13	21	18	15	19	24	23	18
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	2	2	0	0	2	1	1
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Asian	3	5	5	5	9	4	7	4	6	6
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Black or African American	5	9	5	7	4	10	6	14	10	17
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	2	1	1	0	1	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	White	178	223	206	205	211	190	208	179	194	208
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	More than one race	1	2	5	6	9	8	7	14	10	11
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	14	9	8	6	5	6	9	3	9	2
Science and engineering	Geosciences	Atmospheric sciences	Female	Temporary resident	NA	0	2	6	5	5	2	10	6	10	4
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	14	23	20	35	28	24	27	16	25	33
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	3	4	1	3	1	2	1	1	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Asian	8	14	8	11	13	18	17	9	11	17
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Black or African American	18	9	16	12	10	12	8	20	15	14
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	2	0	0	0	0	1	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	White	397	397	413	403	382	386	338	394	291	359
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	More than one race	1	4	8	9	10	12	11	13	18	16
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	17	14	19	12	15	12	8	9	7	12
Science and engineering	Geosciences	Atmospheric sciences	Male	Temporary resident	NA	5	7	10	10	8	13	7	5	3	12
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	97	118	148	184	210	240	270	280	310	322
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	15	18	14	18	13	12	13	16	11	12

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Asian	68	70	75	84	83	114	103	98	135	108
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Black or African American	33	48	53	55	59	60	58	73	75	66
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	5	0	4	2	6	5	2	3
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	White	1,376	1,487	1,557	1,632	1,721	1,759	1,752	1,712	1,724	1,774
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	More than one race	27	48	54	74	74	80	92	138	123	116
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	109	99	78	83	71	72	78	56	57	46
Science and engineering	Geosciences	Earth sciences	Female	Temporary resident	NA	34	37	48	86	92	86	90	124	109	112
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	126	156	195	238	256	338	349	387	393	374
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	26	12	21	23	19	18	26	16	12
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Asian	61	80	113	96	130	113	122	125	108	91
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Black or African American	43	47	53	61	84	65	87	95	96	75
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	6	5	8	2	3	3	6	7	3
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	White	2,133	2,430	2,604	2,785	2,983	3,001	2,986	2,968	2,558	2,255
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	More than one race	31	40	43	57	95	115	137	140	136	118
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	152	126	131	121	148	125	113	111	81	81
Science and engineering	Geosciences	Earth sciences	Male	Temporary resident	NA	83	67	114	121	114	132	143	176	206	169
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	7	7	9	14	16	8	6	10	11
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	2	1	2	4	2	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Asian	5	5	3	11	5	6	3	7	9	5
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Black or African American	2	2	4	0	4	6	3	4	3	6

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	0	0	0	0	1	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	White	80	84	97	90	80	83	92	82	75	83
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	More than one race	2	4	1	6	3	6	9	2	11	13
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	2	2	1	1	5	3	3	1	0
Science and engineering	Geosciences	Oceanography	Female	Temporary resident	NA	0	2	2	3	0	6	0	2	1	4
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	6	7	8	13	7	12	8	13	6
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	0	2	1	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Asian	3	11	6	6	7	1	3	5	6	4
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Black or African American	4	4	3	8	5	2	3	1	2	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	White	92	92	93	96	115	74	63	48	72	55
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	More than one race	3	4	5	10	8	7	5	7	6	10
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	2	6	4	0	5	3	0	2	1
Science and engineering	Geosciences	Oceanography	Male	Temporary resident	NA	0	1	1	1	0	4	4	5	3	1
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	718	812	1,096	1,195	1,391	1,551	1,681	1,957	2,319	2,514
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	98	120	123	106	113	90	105	133	101	133
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Asian	537	633	734	696	746	699	721	812	866	869
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Black or African American	316	430	446	519	519	596	636	611	693	735
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	18	29	33	51	46	25	38	36	26	40
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	White	9,103	10,274	11,119	11,550	11,967	12,412	12,510	13,167	13,631	13,956

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	More than one race	134	229	301	470	522	656	678	813	813	882
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	743	698	659	596	561	520	517	451	486	500
Science and engineering	Life sciences	Agricultural sciences	Female	Temporary resident	NA	188	219	315	342	369	385	419	489	568	599
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	518	595	719	788	845	1,019	1,110	1,104	1,241	1,360
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	84	93	102	87	93	92	100	98	94	88
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Asian	361	406	381	427	410	422	418	441	419	466
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Black or African American	259	274	298	333	337	336	346	413	383	403
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	20	19	30	25	43	26	23	24	20	16
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	White	8,864	9,361	10,273	10,595	10,487	10,610	10,667	10,717	10,512	10,203
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	More than one race	92	149	240	252	308	362	408	445	496	459
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	552	564	540	537	468	461	417	387	433	373
Science and engineering	Life sciences	Agricultural sciences	Male	Temporary resident	NA	154	155	200	227	235	278	295	364	371	403
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4,761	5,465	6,158	7,026	8,069	8,981	9,540	11,126	12,150	13,460
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	316	361	311	304	264	307	285	273	271	273
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Asian	8,228	8,804	8,985	9,217	9,519	9,948	10,402	11,041	11,170	11,645
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Black or African American	4,734	4,973	5,195	5,337	5,662	6,166	6,557	6,660	7,104	7,653
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	132	154	143	168	145	130	137	166	155	166
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	White	32,399	34,001	35,315	36,615	38,303	39,771	40,748	41,692	42,194	44,512
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	More than one race	689	958	1,219	1,884	2,353	2,561	2,865	3,231	3,390	3,750
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,824	2,789	2,794	2,394	2,429	2,124	2,078	1,839	2,010	2,041

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Biological sciences	Female	Temporary resident	NA	1,711	1,711	1,851	1,764	1,826	2,077	2,311	2,540	2,775	2,984
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,000	3,426	3,923	4,516	5,102	5,590	5,821	6,507	6,708	7,042
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	230	215	217	189	171	166	167	179	165	126
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Asian	6,268	6,599	6,806	6,908	7,139	7,194	7,158	7,075	7,083	7,045
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Black or African American	1,943	2,100	2,299	2,326	2,588	2,638	2,787	2,705	2,778	2,851
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	88	107	107	101	146	114	109	83	101	89
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	White	22,772	24,367	25,417	26,705	27,073	26,955	26,300	25,484	24,838	24,761
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	More than one race	453	635	828	1,146	1,525	1,702	1,834	1,869	1,852	1,896
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,036	2,070	1,946	1,765	1,601	1,326	1,263	1,097	1,135	1,195
Science and engineering	Life sciences	Biological sciences	Male	Temporary resident	NA	1,070	1,159	1,189	1,155	1,209	1,323	1,380	1,501	1,536	1,620
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	648	792	910	1,007	1,044	1,219	1,418	1,540	1,911	2,096
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	36	50	67	57	62	47	57	62	51	67
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Asian	690	835	903	1,167	1,427	1,855	2,380	3,033	3,713	4,416
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Black or African American	1,322	1,464	1,491	1,463	1,462	1,434	1,565	1,725	1,928	2,049
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	39	25	37	47	49	29	27	45	37
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	White	3,625	4,000	4,288	4,727	4,952	5,441	5,879	6,479	7,014	7,786
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	More than one race	98	131	183	262	338	490	528	629	751	852
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	872	952	859	788	748	703	712	645	780	893
Science and engineering	Math and computer sciences	Computer science	Female	Temporary resident	NA	395	488	483	636	783	984	1,234	1,861	2,271	2,722
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,891	3,424	3,809	4,462	4,868	5,393	6,126	6,830	7,780	8,724

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	190	181	200	221	219	182	198	188	197	191
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Asian	2,749	2,988	3,617	4,197	4,899	6,078	7,333	8,865	10,209	11,729
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Black or African American	3,096	3,387	4,006	4,009	4,284	4,224	4,503	4,833	5,434	5,724
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	87	106	134	142	133	145	151	135	151	157
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	White	21,668	23,128	24,743	26,479	28,160	29,463	31,591	33,717	36,001	37,773
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	More than one race	398	524	681	976	1,231	1,585	1,815	2,146	2,485	2,753
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,174	3,671	3,288	3,317	3,066	2,792	2,703	2,620	3,004	3,052
Science and engineering	Math and computer sciences	Computer science	Male	Temporary resident	NA	1,633	1,874	1,899	2,183	2,586	3,102	3,907	4,936	5,696	6,917
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	502	585	670	780	879	907	975	1,077	1,152	1,215
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	36	21	28	27	25	17	15	31	27	24
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	731	760	825	864	965	1,020	1,095	1,303	1,371	1,459
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	412	465	515	522	516	501	503	517	515	532
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	19	15	18	17	10	7	15	11	15
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	4,992	5,382	5,641	5,593	5,550	5,537	5,469	5,710	5,753	5,669
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	96	94	152	217	259	283	317	349	389	390
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	360	350	363	297	325	310	342	284	297	276
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	Temporary resident	NA	600	860	1,088	1,193	1,386	1,717	2,030	2,204	2,437	2,721
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	650	692	834	975	1,058	1,259	1,353	1,479	1,562	1,660
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	48	37	49	34	43	34	46	30	26	26
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	1,074	1,085	1,274	1,336	1,379	1,470	1,600	1,883	1,954	2,015



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	White	164	181	164	177	175	215	239	253	263	296
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	More than one race	5	2	5	8	8	15	17	28	23	21
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	12	18	8	7	9	11	6	11	3	7
Science and engineering	Physical sciences	Astronomy	Male	Temporary resident	NA	11	2	5	14	10	15	25	28	30	41
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	499	568	553	625	753	710	785	891	917	1,068
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	28	32	41	48	29	30	30	32	22	28
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Asian	917	952	952	1,096	1,031	984	1,047	1,052	963	1,016
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Black or African American	581	717	670	675	614	600	695	751	679	686
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	15	14	16	12	13	15	12	19	9	15
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	White	3,617	3,716	3,702	3,821	3,832	3,876	3,967	3,922	3,889	3,925
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	More than one race	75	100	118	198	209	245	272	290	315	321
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	291	323	302	228	221	211	205	175	175	160
Science and engineering	Physical sciences	Chemistry	Female	Temporary resident	NA	305	308	364	394	406	449	459	456	484	525
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	441	484	551	648	663	745	856	912	934	975
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	40	27	28	31	35	35	22	30	29	32
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Asian	852	904	979	1,003	949	968	915	884	840	821
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Black or African American	337	384	374	393	395	363	389	372	363	367
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	12	7	13	11	13	9	5	12	16	7
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	White	4,204	4,465	4,585	4,668	4,678	4,573	4,555	4,261	4,092	3,765
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	More than one race	77	108	132	199	213	268	259	289	263	276



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	329	314	315	281	259	220	216	162	185	152
Science and engineering	Physical sciences	Chemistry	Male	Temporary resident	NA	268	291	329	351	356	371	434	438	463	470
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	46	56	77	81	108	97	126	155	169	221
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	8	4	8	5	1	3	3	10	4	6
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Asian	86	80	97	79	104	87	107	145	142	175
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Black or African American	38	43	29	52	47	56	56	49	58	80
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	1	4	2	2	3	0	2	2	1
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	White	674	702	786	811	774	896	889	944	974	1,069
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	More than one race	21	26	21	39	44	59	77	75	77	88
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	64	72	56	48	49	60	49	42	40	50
Science and engineering	Physical sciences	Physics	Female	Temporary resident	NA	61	78	84	69	90	86	147	148	168	188
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	230	258	349	365	420	488	509	631	698	696
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	23	19	17	22	9	20	13	11	21	13
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Asian	253	297	328	323	358	379	363	410	426	408
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Black or African American	111	99	119	143	125	161	168	161	189	173
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	4	10	3	7	8	4	7	6	4
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	White	3,060	3,215	3,499	3,627	3,838	3,816	3,794	3,864	3,784	3,593
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	More than one race	61	60	88	139	173	206	219	236	218	247
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	283	295	270	213	208	188	190	153	148	142
Science and engineering	Physical sciences	Physics	Male	Temporary resident	NA	194	248	265	262	324	355	403	491	579	560

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	14	18	29	31	27	23	29	26	23	36
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	3	0	1	1	3	2	0	3
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Asian	22	28	18	33	21	18	13	17	16	17
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Black or African American	27	37	29	28	32	24	21	18	20	18
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	7	1	1	0	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	White	171	206	208	226	184	172	165	152	160	144
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	More than one race	6	4	10	9	8	13	8	12	11	11
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	75	32	27	15	11	18	11	9	8	12
Science and engineering	Physical sciences	Other physical sciences	Female	Temporary resident	NA	12	12	15	13	9	11	5	5	7	9
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	22	23	43	42	41	30	28	41	52	32
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	1	3	2	2	3	0	5	1
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Asian	13	31	24	27	23	20	20	25	13	28
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Black or African American	26	22	33	26	29	25	29	18	21	23
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	1	1	3	0	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	White	225	263	305	323	296	229	249	214	205	177
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	More than one race	3	5	3	9	8	12	8	13	10	16
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	82	53	20	15	20	35	28	16	13	19
Science and engineering	Physical sciences	Other physical sciences	Male	Temporary resident	NA	24	20	19	20	24	16	14	15	15	10
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	9,160	10,450	11,957	13,704	14,678	15,944	16,259	18,118	18,647	19,820
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	513	530	499	493	453	493	467	413	440	478

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Asian	4,452	4,758	4,981	5,089	5,064	5,097	5,402	5,488	5,413	6,018
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Black or African American	9,449	10,276	10,652	10,878	11,116	11,329	11,336	11,155	11,225	11,404
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	157	171	193	207	216	207	227	170	193	191
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	White	47,593	50,221	52,381	52,384	51,604	50,295	49,123	48,515	48,102	48,616
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	More than one race	1,147	1,453	1,832	2,561	2,890	3,235	3,421	3,634	3,738	3,993
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4,422	4,765	4,177	3,698	3,732	3,281	3,223	2,723	2,715	2,600
Science and engineering	Psychology	Psychology	Female	Temporary resident	NA	1,274	1,557	1,657	1,837	1,935	2,188	2,287	2,485	2,583	2,892
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,507	2,909	3,432	3,876	4,121	4,377	4,416	4,808	4,827	5,048
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	138	181	173	167	148	136	142	134	121	124
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Asian	1,755	1,920	1,992	2,010	1,876	1,985	1,852	1,840	1,909	1,942
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Black or African American	2,194	2,436	2,761	2,739	2,906	2,858	2,920	2,781	2,793	2,737
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	49	67	79	68	81	59	67	69	68	67
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	White	14,614	15,663	16,161	16,181	15,304	14,534	13,610	12,736	12,218	12,359
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	More than one race	341	468	580	758	927	958	997	976	997	1,137
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,401	1,508	1,294	1,132	1,095	962	922	754	803	777
Science and engineering	Psychology	Psychology	Male	Temporary resident	NA	402	449	572	623	622	708	770	775	846	903
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	763	859	966	1,063	1,132	1,167	1,096	1,146	1,169	1,247
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	68	69	69	50	46	47	45	43	28	34
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Asian	456	493	540	512	443	427	416	414	362	387
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Black or African American	349	384	385	400	364	377	349	329	341	388

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	18	24	15	24	20	19	9	14	19	19
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	White	4,638	5,240	5,402	5,192	4,609	4,078	3,702	3,706	3,549	3,601
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	More than one race	140	216	264	387	353	376	373	361	362	329
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	523	549	457	354	289	228	147	167	151	161
Science and engineering	Social sciences	Anthropology	Female	Temporary resident	NA	69	93	77	101	95	100	98	107	125	140
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	293	341	428	440	416	427	409	410	432	453
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	34	34	38	22	25	18	16	17	13	16
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Asian	201	185	197	202	177	149	153	158	139	123
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Black or African American	146	116	121	115	103	122	120	101	118	108
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	9	9	15	10	12	4	4	9	10
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	White	2,020	2,188	2,260	2,115	1,817	1,548	1,404	1,413	1,321	1,292
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	More than one race	52	75	96	110	107	108	124	107	127	104
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	216	224	184	150	117	87	63	69	69	44
Science and engineering	Social sciences	Anthropology	Male	Temporary resident	NA	29	29	28	50	42	40	38	55	51	52
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	808	848	912	914	898	923	1,028	1,102	1,154	1,283
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	107	110	126	119	100	97	90	108	121	78
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Asian	542	607	532	482	414	420	395	360	393	366
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Black or African American	800	726	622	619	643	633	683	648	671	714
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	24	25	20	20	15	21	17	17	25
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	White	2,213	2,151	2,173	1,960	1,743	1,766	1,553	1,522	1,551	1,481

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	More than one race	154	170	214	228	219	249	302	287	267	303
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	269	352	262	169	176	134	139	110	101	116
Science and engineering	Social sciences	Area and ethnic studies	Female	Temporary resident	NA	137	157	121	172	165	183	180	218	201	202
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	377	413	382	391	331	411	379	380	402	453
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	79	57	77	54	62	73	63	70	47	41
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Asian	267	276	287	232	224	176	185	189	203	160
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Black or African American	411	350	295	344	282	300	282	287	321	330
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	19	19	20	21	16	16	5	11	12
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	White	1,299	1,280	1,213	1,081	1,049	919	815	789	738	695
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	More than one race	62	74	98	112	124	105	120	122	134	129
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	181	173	150	105	71	87	57	60	44	55
Science and engineering	Social sciences	Area and ethnic studies	Male	Temporary resident	NA	73	73	77	82	78	94	125	146	116	140
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	557	636	688	763	871	949	936	1,045	1,157	1,183
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	27	28	34	20	20	29	22	16	28	19
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Asian	1,759	1,590	1,645	1,691	1,734	1,707	1,816	1,916	1,831	1,804
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Black or African American	521	474	495	493	553	502	553	543	586	582
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	20	15	13	12	14	11	17	10	17	13
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	White	4,142	3,751	3,694	3,924	4,104	4,317	4,321	4,615	4,541	4,439
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	More than one race	121	121	151	210	297	322	366	376	381	426
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	607	527	467	395	430	414	392	352	410	404

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Economics	Female	Temporary resident	NA	1,433	1,638	1,998	2,254	2,637	2,862	2,919	2,975	3,040	3,161
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,278	1,411	1,517	1,633	1,950	2,009	2,193	2,502	2,498	2,568
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	87	59	65	55	64	61	39	47	38	48
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Asian	2,665	2,561	2,467	2,470	2,514	2,546	2,566	2,684	2,693	2,659
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Black or African American	893	906	942	935	1,095	1,010	1,059	1,036	1,038	1,031
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	45	38	35	34	43	28	37	35	32	34
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	White	12,324	12,007	11,906	12,371	13,220	13,283	13,160	13,475	13,079	12,718
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	More than one race	235	314	353	481	620	630	729	786	780	835
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,409	1,234	1,023	934	908	837	868	657	716	704
Science and engineering	Social sciences	Economics	Male	Temporary resident	NA	1,890	2,147	2,541	2,910	3,270	3,528	3,645	3,832	3,920	3,951
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	4	6	5	6	4	9	2	4	12
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	0	0	1	0
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Asian	7	6	10	12	5	11	9	10	9	12
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Black or African American	5	15	5	6	6	5	7	10	18	9
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	0	0	0
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	White	53	41	45	50	46	39	31	21	27	35
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	More than one race	3	3	3	3	3	2	5	4	7	5
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	3	6	2	3	0	1	3	3	1
Science and engineering	Social sciences	History of science	Female	Temporary resident	NA	0	1	2	2	2	1	1	3	3	4
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	4	1	4	6	2	5	2	5	3

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	0	0
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Asian	6	7	3	3	4	1	7	7	3	7
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Black or African American	2	5	4	2	5	3	3	11	6	4
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	White	40	27	29	39	41	35	37	22	21	22
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	More than one race	1	2	1	1	2	4	1	3	1	4
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	3	4	2	1	2	0	2	0	4
Science and engineering	Social sciences	History of science	Male	Temporary resident	NA	1	0	0	1	0	2	1	0	4	0
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	119	147	189	201	222	245	268	275	303	293
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	11	3	8	4	6	6	7	2	2	3
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Asian	139	148	152	163	168	162	193	176	199	179
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Black or African American	47	62	55	59	56	86	76	84	81	63
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	3	3	3	4	2	0	3	2	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	White	734	843	890	877	880	864	830	828	821	778
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	More than one race	29	34	47	69	76	88	93	85	67	96
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	89	103	85	66	83	68	55	43	44	44
Science and engineering	Social sciences	Linguistics	Female	Temporary resident	NA	64	77	63	75	80	84	81	107	97	94
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	46	69	65	87	90	98	119	124	112	106
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	4	4	3	6	2	3	2	3	1
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Asian	54	71	61	60	68	58	59	62	91	78
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Black or African American	13	22	25	26	13	28	27	25	30	18

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	2	4	4	3	1	2	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	White	373	427	437	435	406	400	379	380	367	379
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	More than one race	11	18	14	33	42	40	41	35	35	42
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	50	50	58	40	43	26	25	32	12	24
Science and engineering	Social sciences	Linguistics	Male	Temporary resident	NA	21	28	27	22	28	28	40	41	48	55
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,692	3,892	4,305	4,633	4,563	4,934	5,271	5,402	5,796	6,347
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	205	188	189	162	163	148	120	150	112	151
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Asian	2,036	1,938	2,002	1,854	1,811	1,706	1,677	1,801	1,957	2,024
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Black or African American	3,710	4,053	4,274	4,172	4,007	3,985	4,062	4,089	4,022	4,084
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	105	111	92	100	110	81	109	73	81	77
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	White	17,098	16,988	16,352	16,000	15,213	14,921	15,208	15,544	16,078	16,080
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	More than one race	431	602	745	923	1,021	1,185	1,265	1,317	1,438	1,471
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,539	2,774	2,474	2,165	1,806	1,291	1,169	984	1,014	983
Science and engineering	Social sciences	Political science and public administration	Female	Temporary resident	NA	961	968	1,040	1,073	1,096	1,145	1,197	1,286	1,237	1,222
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,730	3,001	3,302	3,302	3,505	3,378	3,562	3,718	3,934	4,130
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	182	144	145	139	97	96	101	69	71	87
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Asian	1,654	1,595	1,574	1,463	1,343	1,190	1,149	1,197	1,216	1,215
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Black or African American	2,134	2,289	2,390	2,428	2,362	2,245	2,173	2,188	2,156	2,031
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	53	77	73	82	52	65	58	62	51	42
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	White	19,227	19,031	18,350	17,911	16,727	15,708	14,990	15,165	15,435	15,420



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	More than one race	341	529	567	747	827	882	926	935	953	1,021
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,914	1,916	1,608	1,329	1,214	935	873	733	744	697
Science and engineering	Social sciences	Political science and public administration	Male	Temporary resident	NA	740	705	762	777	897	927	965	1,092	1,012	1,116
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,005	3,353	3,895	3,986	4,178	4,642	4,913	5,263	5,514	5,887
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	166	161	150	137	120	142	133	106	133	103
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Asian	1,284	1,196	1,188	1,165	1,156	1,061	1,050	1,107	1,180	1,218
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Black or African American	3,824	3,896	3,887	3,818	3,778	3,615	3,446	3,344	3,212	3,216
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	58	69	51	53	63	52	32	51	43	47
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	White	10,611	10,741	10,557	10,112	9,224	8,704	8,299	8,249	8,008	7,427
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	More than one race	306	419	536	657	709	800	792	859	862	897
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,123	1,031	919	791	758	611	571	442	484	439
Science and engineering	Social sciences	Sociology	Female	Temporary resident	NA	249	303	339	355	403	433	428	501	593	569
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,060	1,250	1,303	1,452	1,521	1,678	1,709	1,699	1,631	1,697
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	62	67	61	65	45	60	50	37	35	33
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Asian	524	554	613	588	530	533	509	507	473	510
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Black or African American	1,447	1,561	1,561	1,664	1,558	1,445	1,419	1,394	1,294	1,204
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	41	40	44	41	52	36	35	49	34	45
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	White	5,065	5,125	5,110	4,919	4,538	3,858	3,650	3,411	3,002	2,728
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	More than one race	137	157	197	286	340	366	342	344	320	334
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	530	543	472	391	389	296	278	223	197	200

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Sociology	Male	Temporary resident	NA	122	136	146	192	181	188	273	252	273	261
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,179	2,426	2,717	2,937	3,101	3,145	3,378	3,328	3,506	3,607
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	166	151	136	127	124	86	106	96	109	67
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Asian	1,030	990	1,049	996	1,004	988	1,018	1,067	1,073	1,028
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Black or African American	2,488	2,655	2,750	2,560	2,429	2,657	2,482	2,470	2,250	2,121
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	54	86	87	52	69	64	59	54	66	40
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	White	11,252	12,000	12,050	11,415	10,562	9,875	9,647	9,309	9,006	8,899
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	More than one race	233	339	444	645	678	750	794	829	832	914
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,590	1,947	1,811	1,660	1,395	1,178	916	868	756	617
Science and engineering	Social sciences	Other social sciences	Female	Temporary resident	NA	341	367	430	449	558	598	587	632	649	650
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,286	1,437	1,612	1,732	1,809	1,912	1,891	1,990	1,983	1,894
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	102	103	83	77	66	60	60	51	51	41
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Asian	701	668	675	680	579	628	644	635	665	706
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Black or African American	1,090	1,236	1,293	1,318	1,235	1,231	1,248	1,181	1,121	1,005
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	35	42	56	48	49	38	28	27	33	24
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	White	9,226	9,453	9,815	9,318	8,615	7,858	7,449	7,150	6,705	6,227
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	More than one race	146	220	293	359	443	482	500	503	490	482
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	866	984	928	882	701	695	541	496	464	355
Science and engineering	Social sciences	Other social sciences	Male	Temporary resident	NA	232	246	298	400	409	451	486	530	561	585
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	45	47	51	74	58	57	58	69	110

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	3	4	3	0	3	2	2	4
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Asian	45	49	61	35	55	48	65	67	72	75
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Black or African American	13	15	13	11	26	26	21	20	23	22
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	1	1	0	3	1	0	0
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	White	293	293	295	300	300	325	310	323	388	449
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	More than one race	4	10	10	17	18	28	25	29	30	44
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	22	19	18	15	9	18	16	21	21	15
Science and engineering	Engineering	Aerospace engineering	Female	Temporary resident	NA	29	28	32	54	29	48	55	54	59	60
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	187	234	241	294	322	362	354	390	518	568
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	14	7	7	9	6	8	5	8	7
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Asian	280	294	328	299	340	302	358	327	424	494
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Black or African American	75	58	78	71	87	90	95	86	103	122
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	5	5	3	7	4	2	4	4
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	White	1,964	2,086	1,959	1,997	2,184	2,131	2,161	2,266	2,579	2,742
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	More than one race	27	47	63	76	99	105	144	126	165	157
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	138	106	89	86	69	68	100	91	110	79
Science and engineering	Engineering	Aerospace engineering	Male	Temporary resident	NA	216	239	241	242	243	252	242	264	250	328
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	197	244	231	267	276	353	381	454	450	471
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	12	11	11	8	15	10	10	12	11	13
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Asian	332	371	380	378	430	514	574	648	548	588

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Black or African American	114	139	131	145	133	164	187	206	196	213
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	3	4	2	6	2	6	0	4	5
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	White	1,322	1,384	1,460	1,649	1,788	1,978	2,197	2,374	2,372	2,263
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	More than one race	35	35	40	81	93	127	121	152	173	146
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	67	81	81	105	82	96	108	116	109	95
Science and engineering	Engineering	Chemical engineering	Female	Temporary resident	NA	225	267	319	342	363	416	485	515	477	483
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	281	362	407	447	538	714	769	834	830	736
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	20	23	23	25	28	28	32	20	31
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Asian	566	669	745	755	914	895	972	996	997	819
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Black or African American	174	198	228	245	268	285	305	332	276	282
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	6	5	7	5	9	9	6	6	6
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	White	3,377	3,625	3,886	4,168	4,719	5,153	5,607	5,546	5,115	4,460
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	More than one race	63	65	70	111	179	233	274	250	256	243
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	209	232	212	252	196	232	240	217	198	184
Science and engineering	Engineering	Chemical engineering	Male	Temporary resident	NA	539	632	684	721	807	916	1,054	1,278	1,225	1,072
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	392	422	472	513	545	602	692	664	745	865
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	26	14	21	21	12	18	15	20	20	17
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Asian	331	330	375	358	371	412	436	441	481	515
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Black or African American	145	146	140	154	163	181	174	203	189	214
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	16	6	6	5	8	9	5	5	12

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	White	2,012	2,126	2,194	2,151	2,200	2,415	2,452	2,646	2,799	2,936
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	More than one race	48	51	79	104	120	141	163	172	173	196
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	182	146	157	158	111	101	127	127	103	129
Science and engineering	Engineering	Civil engineering	Female	Temporary resident	NA	132	177	212	236	252	317	371	393	444	426
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,036	1,164	1,330	1,312	1,342	1,441	1,521	1,520	1,696	1,834
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	63	47	60	51	34	49	45	40	36	39
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Asian	896	884	969	860	852	841	850	831	906	894
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Black or African American	365	367	402	380	412	407	433	421	467	486
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	26	39	39	34	27	28	15	26	22	19
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	White	7,970	8,137	8,184	7,909	7,492	7,411	7,288	7,526	7,688	7,472
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	More than one race	116	126	179	208	276	307	326	326	354	368
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	663	451	472	382	350	343	348	264	292	301
Science and engineering	Engineering	Civil engineering	Male	Temporary resident	NA	427	532	591	714	810	991	1,133	1,294	1,364	1,352
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	176	218	207	245	282	308	389	427	454	526
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	9	12	12	5	3	6	12	10	3
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Asian	301	333	386	434	456	579	673	780	857	920
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Black or African American	181	193	192	190	194	192	206	227	231	307
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	5	5	4	5	8	5	6	4	5
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	White	693	730	800	948	1,027	1,166	1,358	1,426	1,604	1,767
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	More than one race	28	25	40	58	73	112	135	137	169	206

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	79	74	77	70	83	84	103	110	124	137
Science and engineering	Engineering	Electrical engineering	Female	Temporary resident	NA	273	336	348	370	416	480	430	591	561	622
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,372	1,492	1,583	1,905	2,021	2,285	2,597	2,667	2,937	3,113
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	50	47	57	50	44	39	42	63	42	48
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Asian	2,148	2,155	2,386	2,465	2,654	3,023	3,360	3,570	3,784	3,708
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Black or African American	799	803	955	957	960	990	1,063	1,152	1,160	1,159
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	29	44	30	30	28	33	35	38	39
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	White	7,942	8,384	8,725	9,326	9,857	10,492	11,219	11,396	11,876	11,708
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	More than one race	159	190	252	407	483	593	694	753	831	837
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	824	694	675	729	673	694	739	677	679	682
Science and engineering	Engineering	Electrical engineering	Male	Temporary resident	NA	1,426	1,663	1,668	1,791	2,094	2,340	2,663	2,889	3,024	3,291
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	185	206	205	211	238	262	276	302	272	307
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	8	5	11	6	4	6	9	5	5
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Asian	121	115	99	114	119	164	199	211	215	254
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Black or African American	94	78	83	83	107	100	97	113	107	141
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	7	4	3	0	3	5	6	2
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	White	606	670	676	798	898	994	1,139	1,199	1,277	1,303
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	More than one race	19	19	19	26	47	59	61	74	83	70
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	39	43	41	32	39	42	56	42	48	61
Science and engineering	Engineering	Industrial engineering	Female	Temporary resident	NA	95	136	147	175	180	229	260	249	263	306

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	278	334	338	394	408	437	501	530	571	607
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	8	15	5	13	7	15	13	12	19
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Asian	269	275	321	305	336	358	344	365	367	408
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Black or African American	151	180	153	172	166	203	220	211	222	245
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	4	5	4	2	5	9	6	3	3
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	White	1,876	2,022	2,097	2,299	2,479	2,611	2,708	2,883	2,915	3,024
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	More than one race	30	41	31	64	88	106	127	109	134	151
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	169	104	100	117	108	102	122	121	129	126
Science and engineering	Engineering	Industrial engineering	Male	Temporary resident	NA	351	445	437	509	576	656	763	833	905	919
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19	30	22	30	31	41	40	45	46	71
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	0	0	1	3	0	2	1	1
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Asian	37	55	72	66	69	68	89	102	83	113
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Black or African American	14	14	19	14	21	17	18	13	31	28
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	1	2	0	2	1	1	2	1
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	White	214	210	255	236	275	303	322	342	376	403
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	More than one race	4	8	6	15	20	27	28	35	32	38
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	12	23	18	10	10	10	20	10	18	15
Science and engineering	Engineering	Materials engineering	Female	Temporary resident	NA	18	24	37	39	46	65	74	74	54	59
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31	61	59	74	68	100	84	93	118	119
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	3	1	1	1	3	3	2	4	3

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Asian	108	102	130	117	155	148	141	144	156	134
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Black or African American	15	22	14	25	20	30	27	26	24	31
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	2	1	1	2	2	2	2	1
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	White	562	636	689	704	785	824	872	822	816	801
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	More than one race	6	20	20	25	34	65	48	45	52	64
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	43	53	20	44	34	26	32	26	41	35
Science and engineering	Engineering	Materials engineering	Male	Temporary resident	NA	52	56	83	110	116	157	167	144	166	172
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	212	246	285	349	410	464	520	638	707	768
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	16	9	9	6	14	13	7	21	21	10
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Asian	243	273	251	290	341	376	465	522	628	671
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Black or African American	105	116	122	126	134	159	181	202	237	271
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	5	9	5	5	10	6	5	5	5
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	White	1,391	1,610	1,693	1,976	2,086	2,432	2,823	2,979	3,317	3,583
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	More than one race	37	40	52	82	148	172	201	226	266	282
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	108	110	114	105	104	125	141	118	161	149
Science and engineering	Engineering	Mechanical engineering	Female	Temporary resident	NA	93	129	152	168	201	255	326	381	426	377
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,304	1,466	1,685	1,996	2,355	2,634	3,031	3,364	3,681	3,942
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	68	69	73	64	83	79	60	86	84	69
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Asian	1,323	1,413	1,625	1,656	1,738	1,952	2,077	2,252	2,426	2,487
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Black or African American	480	494	572	542	659	753	822	907	977	965



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	26	29	31	48	28	27	29	43	34	39
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	White	12,177	12,816	13,420	14,688	15,540	16,713	17,849	19,132	19,300	19,208
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	More than one race	160	244	306	463	576	692	791	963	973	1,086
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	937	830	794	813	766	773	821	744	827	725
Science and engineering	Engineering	Mechanical engineering	Male	Temporary resident	NA	787	990	1,107	1,302	1,554	1,960	2,597	3,004	3,141	3,059
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	196	200	254	288	353	428	516	580	631	708
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	14	13	19	20	20	14	12	11	13	13
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Asian	568	559	611	685	709	808	854	946	1,023	1,071
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Black or African American	143	161	155	210	195	215	235	278	309	340
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	4	5	12	8	7	8	11	11	12
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	White	1,843	2,073	2,206	2,450	2,632	2,910	3,247	3,551	3,706	3,824
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	More than one race	58	71	82	127	157	224	231	276	305	317
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	175	165	135	109	127	141	153	148	189	198
Science and engineering	Engineering	Other engineering	Female	Temporary resident	NA	199	204	209	255	282	313	390	440	490	583
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	421	449	541	608	697	848	885	948	1,078	1,162
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	22	32	40	37	31	38	35	28	33	28
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Asian	1,090	1,204	1,208	1,261	1,195	1,333	1,337	1,363	1,321	1,317
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Black or African American	229	234	248	274	307	394	359	391	419	403
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	13	19	18	12	17	14	17	17	17
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	White	5,159	5,550	5,805	6,212	6,334	6,718	7,104	7,038	6,969	7,148

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	More than one race	94	133	173	252	296	332	367	398	442	464
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	381	381	394	276	284	267	299	260	308	270
Science and engineering	Engineering	Other engineering	Male	Temporary resident	NA	389	473	480	528	586	722	799	917	897	908
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	506	508	518	542	601	630	632	604	656	689
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	22	20	13	12	16	10	10	11	13	8
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Asian	434	405	414	358	422	408	380	384	404	380
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Black or African American	182	210	210	224	176	187	181	183	224	223
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	8	7	6	8	3	12	3	3	3
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	White	2,485	2,513	2,491	2,281	2,134	2,127	1,985	2,027	2,159	2,270
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	More than one race	52	55	78	85	127	139	142	172	151	160
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	360	279	240	211	175	133	131	111	96	99
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	Temporary resident	NA	237	300	349	363	445	478	604	623	628	597
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	704	689	769	753	820	790	769	778	823	853
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	25	25	21	18	30	19	13	12	17	12
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Asian	355	414	410	326	378	336	313	278	331	318
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Black or African American	271	264	270	262	251	264	271	242	266	242
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	4	13	8	9	12	11	5	7	10
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	White	3,692	3,601	3,525	3,237	3,030	2,770	2,557	2,372	2,290	2,430
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	More than one race	54	66	78	77	140	126	122	139	146	154
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	452	328	276	256	210	179	131	130	101	99

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	Temporary resident	NA	215	271	306	305	337	470	486	550	598	548
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4,440	4,937	5,535	5,819	6,212	6,486	6,452	6,721	7,183	7,940
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	343	318	334	285	278	236	218	209	226	181
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Asian	3,289	3,363	3,568	3,496	3,276	3,368	3,414	3,517	3,592	3,746
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Black or African American	2,866	3,103	3,121	3,276	3,288	3,383	3,623	3,496	3,731	3,923
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	124	89	119	108	101	117	98	64	95	71
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	White	38,596	38,828	38,726	37,907	35,996	34,255	33,414	32,176	32,499	33,508
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	More than one race	925	1,040	1,273	1,733	2,026	2,175	2,454	2,477	2,528	2,615
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4,783	4,506	4,342	3,708	3,473	2,587	2,240	1,682	1,813	1,802
Non-science and engineering	Arts and music	Arts and music	Female	Temporary resident	NA	2,080	2,261	2,465	2,574	2,904	3,376	3,603	3,716	3,825	4,078
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,301	3,598	4,055	4,172	4,586	4,924	4,830	5,019	5,136	5,186
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	213	244	221	212	209	193	158	148	138	125
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Asian	1,969	1,958	1,976	1,910	1,978	1,923	1,781	1,863	1,875	1,906
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Black or African American	2,215	2,411	2,537	2,774	2,797	2,951	2,950	2,806	2,904	3,192
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	71	73	94	99	79	78	85	67	70	62
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	White	23,380	23,707	23,620	23,356	22,267	21,101	19,959	19,146	18,813	18,494
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	More than one race	437	553	710	912	1,305	1,306	1,365	1,420	1,391	1,411
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,147	3,074	3,011	2,843	2,802	2,034	1,609	1,261	1,264	1,158
Non-science and engineering	Arts and music	Arts and music	Male	Temporary resident	NA	1,061	1,117	1,201	1,277	1,407	1,718	1,941	1,992	1,924	2,051
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19,021	19,980	20,543	21,012	22,046	23,465	24,063	26,292	27,199	28,101

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1,106	1,091	1,030	1,049	955	968	923	963	977	922
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Asian	12,206	12,160	11,708	11,721	11,975	12,566	13,167	13,751	14,021	13,849
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Black or African American	24,231	24,696	23,485	21,569	21,352	20,808	20,752	20,133	20,174	19,775
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	451	521	595	599	516	525	502	446	531	458
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	White	101,485	97,559	95,185	93,124	94,630	95,640	97,765	98,318	97,627	95,760
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	More than one race	1,740	2,028	2,470	3,274	3,786	4,660	5,050	5,434	5,724	5,939
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	14,210	13,728	12,268	10,879	10,015	8,749	7,901	7,184	7,609	7,457
Non-science and engineering	Business and management	Business and management	Female	Temporary resident	NA	8,736	10,217	11,317	11,714	12,308	12,800	13,202	13,329	12,902	12,668
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	15,617	17,026	17,834	18,893	20,199	21,394	22,605	24,641	26,093	27,029
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1,021	919	937	840	808	810	807	746	749	752
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Asian	12,462	12,827	12,441	12,053	12,177	12,326	12,701	12,851	13,104	13,189
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Black or African American	15,256	16,359	16,268	15,980	15,751	15,686	15,912	15,939	15,725	15,436
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	449	520	543	496	504	487	466	462	497	445
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	White	122,541	121,219	118,132	118,072	119,037	121,182	124,225	125,448	126,009	125,222
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	More than one race	1,566	2,046	2,580	3,258	3,974	4,721	5,132	5,772	6,107	6,253
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	13,660	13,426	12,413	11,362	10,875	9,755	9,124	8,185	8,883	8,327
Non-science and engineering	Business and management	Business and management	Male	Temporary resident	NA	9,293	10,673	11,622	12,285	12,988	14,471	14,949	15,245	15,231	15,176
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4,740	4,920	5,576	6,296	7,196	7,855	8,424	8,639	8,884	9,110
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	314	278	269	247	211	225	184	200	178	168
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Asian	2,239	2,210	2,262	2,250	2,267	2,354	2,404	2,516	2,524	2,525

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Black or African American	5,469	5,712	5,558	5,988	6,213	6,494	6,733	6,562	6,564	6,293
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	117	126	131	103	120	97	118	113	106	98
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	White	36,824	36,161	36,288	36,893	37,163	37,209	37,091	36,614	35,675	34,610
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	More than one race	664	841	1,109	1,573	1,956	2,267	2,571	2,488	2,509	2,514
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,655	2,636	2,325	2,088	2,082	1,843	1,692	1,326	1,338	1,400
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	Temporary resident	NA	1,241	1,415	1,605	1,706	2,056	2,253	2,454	2,512	2,536	2,611
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,298	2,440	2,678	3,039	3,591	3,873	4,066	4,383	4,562	4,824
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	148	133	141	124	117	109	106	93	100	101
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Asian	1,084	1,048	1,042	1,058	1,065	1,122	1,117	1,162	1,261	1,307
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Black or African American	2,853	3,040	3,166	3,317	3,653	3,969	4,097	3,960	4,108	4,120
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	70	67	77	71	69	66	70	66	59	81
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	White	20,785	20,759	20,613	20,776	20,433	20,266	19,955	19,125	19,593	19,061
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	More than one race	294	384	507	689	866	1,075	1,103	1,223	1,246	1,353
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,562	1,579	1,387	1,334	1,403	1,199	1,054	885	931	949
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	Temporary resident	NA	571	615	686	736	868	985	1,091	1,120	1,080	1,301
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	116	105	110	100	94	104	83	93	82	73
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	6	8	11	9	3	3	4	5	4
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Asian	34	44	34	41	45	41	29	45	46	33
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Black or African American	48	56	54	33	53	39	26	35	30	22
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	3	1	4	0	0	1	0	2

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	White	1,152	1,276	1,250	1,101	1,002	837	766	780	692	667
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	More than one race	7	12	17	19	25	25	26	16	27	27
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	60	47	41	46	35	32	28	21	20	23
Non-science and engineering	Education	Mathematics education	Female	Temporary resident	NA	6	12	7	15	4	14	5	15	7	7
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	51	70	49	44	65	40	53	34	46	37
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	5	1	7	1	3	1	1	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Asian	15	19	24	23	20	20	15	16	17	22
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Black or African American	33	20	28	23	25	25	13	18	10	20
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	4	1	5	1	1	2	2	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	White	547	611	618	574	530	455	378	293	334	321
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	More than one race	5	7	8	8	14	13	12	12	17	11
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	43	27	24	26	22	22	16	11	10	3
Non-science and engineering	Education	Mathematics education	Male	Temporary resident	NA	2	6	5	9	1	7	3	4	4	4
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7,183	7,397	7,346	7,457	7,371	8,140	8,403	9,255	9,709	10,555
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	672	602	566	615	546	497	496	415	445	445
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Asian	1,562	1,677	1,679	1,769	1,782	1,870	2,168	2,323	2,298	2,318
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Black or African American	5,734	6,148	6,707	6,350	6,085	5,738	5,736	5,560	5,544	5,600
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	468	206	222	249	204	211	166	149	207	162
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	White	67,575	68,538	67,247	63,664	59,190	56,455	55,638	53,929	53,851	53,585
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	More than one race	663	924	1,040	1,331	1,621	1,910	2,022	2,084	2,331	2,414

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,900	3,634	3,469	3,233	2,866	2,440	2,264	2,091	2,135	2,094
Non-science and engineering	Education	Non-science education	Female	Temporary resident	NA	1,007	986	801	779	839	895	925	968	1,088	1,105
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,030	2,252	2,455	2,575	2,680	3,020	3,046	3,431	3,456	3,670
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	242	193	200	177	180	161	142	154	130	149
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Asian	672	691	775	838	895	960	1,020	1,126	1,069	1,112
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Black or African American	2,611	2,798	3,018	3,053	3,093	3,388	3,227	3,338	3,270	3,331
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	105	102	100	110	107	96	82	67	75	85
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	White	21,247	22,435	22,683	22,242	20,849	20,002	19,037	18,154	17,650	17,500
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	More than one race	221	282	452	549	652	773	835	906	917	965
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,466	1,263	1,283	1,174	1,112	1,037	903	823	859	845
Non-science and engineering	Education	Non-science education	Male	Temporary resident	NA	475	468	444	468	491	490	547	618	603	664
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	74	69	55	63	48	47	51	43	64	58
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	8	8	5	3	8	1	2	7	5	3
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Asian	10	15	19	15	12	12	15	11	13	12
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Black or African American	26	36	26	25	22	14	16	17	15	15
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	2	0	0	0	0	3	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	White	656	722	704	644	559	510	473	493	497	474
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	More than one race	12	10	14	12	13	26	14	13	17	16
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	37	31	24	38	16	21	13	17	13	17
Non-science and engineering	Education	Science education	Female	Temporary resident	NA	10	8	7	6	1	8	5	4	5	9

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	34	33	23	20	24	36	31	27	23	25
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	6	6	10	4	6	3	6	0	2	9
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Asian	12	10	12	7	11	7	7	10	7	5
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Black or African American	12	12	10	12	13	11	8	4	4	10
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	3	0	1	0	1	0	0	0	1
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	White	435	502	505	490	400	386	339	337	334	353
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	More than one race	6	6	5	9	4	12	9	15	12	14
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	26	22	25	18	19	15	13	14	10	6
Non-science and engineering	Education	Science education	Male	Temporary resident	NA	3	4	5	2	1	4	4	0	1	3
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	67	57	46	44	41	30	34	38	61	42
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	6	6	4	0	2	2	2	0	2	1
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Asian	7	2	7	5	6	9	4	3	3	4
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Black or African American	28	18	18	18	20	16	4	8	7	13
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	1	1	1	0	1	1
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	White	514	539	457	401	410	348	326	315	385	320
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	More than one race	5	5	5	7	7	6	2	13	6	10
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	22	23	13	10	22	9	9	10	9	10
Non-science and engineering	Education	Social science education	Female	Temporary resident	NA	1	2	3	1	1	2	1	3	2	3
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	54	35	45	50	40	51	37	41	50	46
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	9	9	3	4	4	5	1	5	3



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Asian	9	9	4	2	4	2	7	4	4	2
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Black or African American	29	19	16	19	24	12	12	18	13	20
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	0	0	1	0	0	0	2
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	White	703	656	667	560	499	455	458	406	438	425
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	More than one race	5	9	5	6	5	13	10	15	15	17
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	27	22	32	14	19	15	12	14	13	9
Non-science and engineering	Education	Social science education	Male	Temporary resident	NA	3	3	3	1	0	2	2	2	3	2
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	114	106	119	113	126	120	115	113	160	161
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	11	8	16	8	6	21	18	10	17
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Asian	60	63	60	60	73	34	43	49	60	74
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Black or African American	164	200	225	224	257	208	165	172	196	175
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	3	2	1	3	4	0	4	1
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	White	1,161	1,174	1,161	1,210	1,211	1,112	1,052	1,039	1,101	1,056
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	More than one race	24	20	22	35	35	49	51	42	65	36
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	63	51	37	40	36	31	23	27	18	24
Non-science and engineering	Education	Other science/ technical education	Female	Temporary resident	NA	14	16	26	12	14	17	9	13	7	14
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	79	51	63	56	83	91	80	79	84	92
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	11	18	13	10	6	12	10	7	13	6
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Asian	36	39	41	37	37	36	31	29	35	25
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Black or African American	92	89	81	99	88	79	72	46	49	60

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	2	2	1	0	1	0	1	2
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	White	1,035	998	887	838	712	651	633	573	560	575
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	More than one race	11	12	20	20	20	25	13	23	22	23
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	72	56	39	27	18	24	16	23	13	14
Non-science and engineering	Education	Other science/ technical education	Male	Temporary resident	NA	9	18	8	14	15	12	6	16	13	16
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,774	3,161	3,343	3,528	3,357	3,356	3,552	3,712	3,972	3,992
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	203	188	165	148	139	120	102	96	87	101
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Asian	1,547	1,566	1,484	1,374	1,166	1,126	1,156	1,115	1,090	1,119
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Black or African American	2,636	2,820	2,773	2,707	2,407	2,300	2,076	2,136	2,152	1,966
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	81	74	61	58	58	56	51	48	43	39
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	White	24,032	24,320	23,611	22,073	20,025	18,536	17,642	17,080	16,465	15,845
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	More than one race	473	712	779	1,027	1,104	1,090	1,134	1,128	1,062	1,130
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,260	2,003	1,801	1,477	1,233	1,078	954	772	729	697
Non-science and engineering	Humanities	English and literature	Female	Temporary resident	NA	396	397	395	429	420	419	375	373	437	420
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,334	1,456	1,628	1,635	1,457	1,522	1,469	1,537	1,531	1,565
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	84	87	85	86	59	58	62	40	43	36
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Asian	624	648	671	621	494	474	490	455	417	461
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Black or African American	928	938	989	1,004	910	827	851	820	775	703
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	21	28	34	37	26	23	22	17	19	19
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	White	11,542	11,359	10,910	10,185	8,776	7,885	7,459	7,029	6,755	6,154

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	More than one race	217	277	299	423	434	420	399	416	399	425
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,177	1,028	864	707	608	508	356	338	349	288
Non-science and engineering	Humanities	English and literature	Male	Temporary resident	NA	156	137	150	146	165	157	191	188	182	161
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,383	2,603	2,574	2,672	2,605	2,546	2,439	2,381	2,436	2,424
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	56	50	55	32	30	35	20	23	18	20
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Asian	667	633	587	521	536	491	468	464	462	431
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Black or African American	542	550	543	536	547	518	491	459	398	397
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	10	12	15	9	8	9	6	6	10
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	White	8,192	7,935	7,510	6,981	6,279	5,607	5,242	4,962	4,774	4,736
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	More than one race	215	237	280	330	389	428	396	399	364	344
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	746	671	557	384	363	309	241	193	252	216
Non-science and engineering	Humanities	Foreign languages	Female	Temporary resident	NA	236	218	250	208	225	242	260	300	353	360
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	882	873	995	1,032	920	980	942	887	847	865
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	38	32	36	25	14	19	13	10	15	16
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Asian	283	262	300	213	211	223	231	242	199	197
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Black or African American	219	211	244	205	201	198	176	162	165	145
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	10	12	12	10	4	6	8	5	3
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	White	3,914	3,826	3,749	3,363	3,316	2,973	2,783	2,578	2,460	2,442
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	More than one race	82	109	142	139	187	159	182	185	206	177
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	341	306	260	209	158	152	140	121	113	101

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Foreign languages	Male	Temporary resident	NA	99	89	101	103	111	114	118	139	150	154
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,203	1,294	1,318	1,312	1,220	1,225	1,192	1,280	1,325	1,364
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	91	99	71	72	55	48	51	38	47	55
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Asian	515	505	484	359	368	319	299	305	326	338
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Black or African American	800	801	787	727	664	623	593	601	528	591
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	22	21	14	27	8	19	13	15	8	7
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	White	10,459	10,367	10,031	8,947	8,033	7,264	6,815	6,512	6,367	6,457
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	More than one race	221	263	313	360	361	380	396	380	356	405
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	869	807	678	515	475	375	331	276	281	253
Non-science and engineering	Humanities	History	Female	Temporary resident	NA	135	115	116	115	144	130	125	141	148	159
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,589	1,573	1,724	1,710	1,651	1,641	1,674	1,777	1,824	1,904
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	134	119	103	93	80	74	84	63	64	68
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Asian	600	601	581	520	474	414	396	378	337	417
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Black or African American	730	811	790	829	742	711	660	593	597	557
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	23	37	35	24	24	21	22	17	15	14
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	White	16,117	16,280	15,759	14,266	12,592	11,238	10,371	10,045	9,892	9,624
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	More than one race	230	302	381	451	439	438	418	404	478	485
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,322	1,205	1,031	757	696	595	526	438	462	391
Non-science and engineering	Humanities	History	Male	Temporary resident	NA	127	138	144	149	141	180	166	192	208	207
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	186	240	256	258	265	276	277	327	385	430

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	16	16	12	19	9	11	8	7	13	6
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Asian	178	165	183	182	154	155	187	177	178	203
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Black or African American	163	191	183	159	175	157	167	149	202	196
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	2	6	3	6	6	0	6	6	9
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	White	1,541	1,576	1,511	1,383	1,284	1,134	1,164	1,167	1,281	1,298
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	More than one race	47	58	70	96	102	101	110	108	142	157
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	185	201	166	119	101	87	73	60	88	78
Non-science and engineering	Humanities	Other humanities	Female	Temporary resident	NA	44	54	65	82	83	79	112	123	135	138
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	476	501	567	569	535	541	513	567	600	590
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	36	25	30	16	21	20	17	15	19	14
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Asian	274	269	317	252	257	224	220	240	246	250
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Black or African American	195	201	238	240	230	209	240	216	197	219
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	14	14	11	18	14	12	3	9	17	9
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	White	3,927	3,807	3,704	3,468	3,115	2,719	2,642	2,573	2,529	2,515
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	More than one race	76	108	119	156	160	160	179	186	195	168
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	472	350	399	284	202	198	159	165	137	138
Non-science and engineering	Humanities	Other humanities	Male	Temporary resident	NA	97	99	107	134	139	165	151	159	209	221
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	496	706	792	893	982	1,040	1,102	1,333	1,510	1,947
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	52	56	46	53	42	42	49	49	47	45
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Asian	422	463	460	610	543	664	775	873	1,121	1,308

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Black or African American	398	564	597	716	788	985	1,072	1,177	1,152	1,354
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	16	18	18	18	24	15	18	19	36
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	White	3,011	3,407	3,674	4,035	4,013	4,226	4,441	4,794	5,053	5,764
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	More than one race	105	112	153	218	296	322	416	442	446	567
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	291	330	345	303	250	232	224	237	298	305
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	Temporary resident	NA	73	104	123	155	156	188	220	303	435	516
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	190	252	323	419	467	518	526	704	800	1,109
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	23	26	37	18	28	29	26	22	31	33
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Asian	235	208	299	345	348	366	474	604	793	821
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Black or African American	175	207	260	310	332	472	578	626	609	723
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	5	5	6	15	12	12	15	23	18
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	White	1,724	1,941	2,149	2,449	2,493	2,594	2,883	3,108	3,193	3,599
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	More than one race	42	59	70	116	128	169	227	212	244	334
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	193	190	198	195	202	163	188	204	267	259
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	Temporary resident	NA	63	89	82	109	130	150	203	267	412	461
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	193	199	225	270	270	282	332	362	453	488
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	7	8	16	9	14	15	12	17	15
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Asian	87	84	83	104	75	87	93	99	92	121
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Black or African American	243	246	213	249	255	251	245	289	280	318
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	3	4	2	5	3	2	4	5	7

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	White	728	732	812	786	854	783	838	884	974	993
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	More than one race	11	24	29	49	51	64	78	71	88	104
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	256	261	174	129	136	97	141	125	133	121
Non-science and engineering	Law	Law	Female	Temporary resident	NA	13	22	29	27	19	21	27	37	48	42
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	96	101	103	120	124	128	157	177	186	210
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	4	6	11	6	6	10	3	5	5
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Asian	57	63	52	53	46	67	60	66	57	51
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Black or African American	91	99	110	116	104	105	110	128	145	113
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	1	2	5	1	3	3	4	3
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	White	576	578	552	631	528	539	545	576	573	571
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	More than one race	10	17	25	19	29	38	32	40	41	51
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	117	122	71	67	47	45	50	63	47	51
Non-science and engineering	Law	Law	Male	Temporary resident	NA	5	10	9	13	16	28	14	22	33	28
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	810	972	1,218	1,636	1,875	2,330	2,497	2,824	3,187	3,454
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	45	58	54	60	66	104	108	90	107	121
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Asian	762	995	1,139	1,359	1,604	1,797	1,984	2,057	2,149	2,441
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Black or African American	1,195	1,287	1,530	1,709	1,806	2,109	2,310	2,341	2,661	2,782
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	18	24	25	54	57	47	60	57	58	69
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	White	4,364	5,213	6,127	6,909	7,635	8,551	9,059	9,901	10,911	10,972
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	More than one race	70	104	152	294	379	497	576	634	733	801

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	477	524	570	559	551	524	544	521	602	586
Non-science and engineering	Life sciences	Medical sciences	Female	Temporary resident	NA	140	159	189	213	247	262	321	369	420	448
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	190	252	341	457	497	585	633	738	772	855
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	21	11	15	19	25	22	36	42	26	27
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Asian	276	409	510	615	670	759	738	749	784	801
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Black or African American	225	276	342	384	391	446	447	506	571	568
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	10	15	19	12	11	16	7	14	19
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	White	1,443	1,727	2,095	2,309	2,352	2,547	2,674	2,713	2,788	2,739
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	More than one race	27	35	60	98	114	135	161	188	214	224
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	109	148	187	162	164	160	148	150	153	143
Non-science and engineering	Life sciences	Medical sciences	Male	Temporary resident	NA	48	71	89	83	115	187	190	201	217	237
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	8,404	10,259	12,382	14,906	17,278	19,656	21,576	22,835	24,576	26,856
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	645	662	743	774	808	731	835	804	868	983
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Asian	5,564	6,854	7,806	8,917	9,427	9,821	10,276	10,999	11,444	11,869
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Black or African American	11,849	13,584	15,274	16,530	17,495	18,611	19,327	19,985	20,516	21,647
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	292	389	431	505	514	498	478	529	500	515
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	White	73,200	81,295	89,557	96,924	105,686	109,941	113,791	116,135	115,945	117,681
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	More than one race	1,030	1,523	2,092	2,790	3,574	4,103	4,471	4,855	5,058	5,642
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7,777	8,452	8,933	9,196	9,641	9,046	8,599	8,442	8,525	8,727
Non-science and engineering	Life sciences	Other life sciences	Female	Temporary resident	NA	1,390	1,526	1,491	1,538	1,468	1,539	1,473	1,556	1,682	1,764



Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,116	2,771	3,420	3,949	4,654	5,168	5,696	5,938	6,491	6,913
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	148	136	187	151	162	154	173	152	187	183
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Asian	1,658	1,868	2,171	2,544	2,671	3,014	3,258	3,385	3,419	3,607
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Black or African American	2,036	2,381	2,850	3,133	3,336	3,709	3,955	4,038	4,093	4,269
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	72	114	137	155	181	171	173	184	173	195
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	White	13,723	15,631	18,107	19,260	20,814	21,549	22,274	21,906	22,304	21,709
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	More than one race	190	340	477	638	851	1,065	1,226	1,300	1,392	1,391
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,521	1,684	1,740	1,716	1,840	1,701	1,691	1,607	1,634	1,702
Non-science and engineering	Life sciences	Other life sciences	Male	Temporary resident	NA	379	403	423	445	496	504	609	646	575	678
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6,790	6,884	7,274	7,141	7,218	7,816	8,466	9,145	9,785	9,956
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	502	494	465	423	380	371	352	350	311	361
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Asian	1,795	1,800	1,806	1,679	1,713	1,805	1,818	1,896	2,093	2,054
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Black or African American	6,836	6,887	6,800	6,852	6,437	6,745	6,896	7,035	6,758	6,610
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	100	101	128	129	104	97	124	96	80	99
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	White	34,087	33,984	33,559	32,457	31,420	30,953	30,563	30,193	29,857	28,904
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	More than one race	684	863	1,096	1,321	1,454	1,646	1,809	2,072	2,045	2,040
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,890	3,682	3,274	2,866	2,763	2,574	2,436	2,121	2,107	1,870
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	Temporary resident	NA	967	979	941	890	937	1,003	1,065	1,181	1,253	1,156
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,866	3,123	3,203	3,452	3,512	3,758	3,803	4,076	4,526	4,442
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	310	300	279	262	277	239	219	243	215	204

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Asian	1,160	1,193	1,143	1,091	1,109	1,111	1,159	1,240	1,248	1,314
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Black or African American	3,868	3,953	4,079	4,226	4,396	4,485	4,494	4,629	4,505	4,503
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	90	91	107	126	98	85	110	99	85	106
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	White	23,800	24,404	23,733	23,432	22,996	21,883	21,647	20,954	21,149	20,081
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	More than one race	385	498	823	815	939	1,073	1,134	1,170	1,208	1,254
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2,791	2,772	2,394	2,243	2,208	2,068	1,928	1,683	1,568	1,531
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	Temporary resident	NA	834	791	767	873	879	959	980	1,107	1,167	1,117
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	261	276	300	319	315	343	313	340	336	386
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	23	33	20	26	20	18	17	13	19	21
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Asian	136	129	148	150	123	117	132	144	104	122
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Black or African American	486	509	506	515	469	544	482	418	367	339
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	17	14	7	16	16	8	17	4	16	18
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	White	3,461	3,404	3,295	3,241	3,028	2,862	2,641	2,626	2,537	2,510
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	More than one race	50	66	94	93	105	115	106	132	126	139
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	282	249	286	203	206	221	235	212	210	203
Non-science and engineering	Religion and theology	Religion and theology	Female	Temporary resident	NA	85	100	52	83	87	66	61	66	75	77
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	347	370	427	458	451	476	497	469	434	453
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	31	41	44	38	42	30	32	29	28	39
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Asian	196	181	204	190	178	159	167	181	171	146
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Black or African American	542	541	615	600	567	616	524	485	465	417

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	19	28	30	18	11	22	13	20	22	13
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	White	6,536	6,580	6,608	6,485	6,484	6,373	6,059	6,088	5,927	5,787
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	More than one race	58	85	94	131	112	133	134	147	137	175
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	315	362	353	318	365	327	379	387	354	290
Non-science and engineering	Religion and theology	Religion and theology	Male	Temporary resident	NA	154	163	157	161	158	170	189	164	148	159
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	275	281	300	268	315	312	307	411	459	432
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	26	20	17	21	19	22	20	20	13	18
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Asian	99	56	91	79	83	99	111	122	146	180
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	361	420	369	375	390	368	375	344	399	371
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	3	4	6	4	8	1	7	2	3
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	White	1,196	1,172	1,215	1,165	1,310	1,291	1,332	1,408	1,433	1,473
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	More than one race	21	29	25	45	65	78	79	73	99	121
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	148	128	133	116	133	97	86	69	75	102
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	Temporary resident	NA	71	60	79	83	76	84	117	129	126	132
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,227	1,284	1,501	1,526	1,573	1,493	1,616	1,703	1,921	2,088
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	126	125	146	128	136	108	102	89	70	97
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Asian	565	566	558	584	582	650	588	626	689	714
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	1,289	1,431	1,593	1,549	1,480	1,372	1,378	1,402	1,481	1,390
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	23	30	33	46	27	31	37	32	22
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	White	10,957	11,022	10,685	10,221	10,055	10,004	10,161	10,142	10,518	10,141

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	More than one race	124	162	191	253	377	338	386	402	476	501
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	907	993	818	883	800	564	546	440	484	553
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	Temporary resident	NA	379	456	567	580	809	917	1,152	1,265	1,241	1,173
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	715	865	1,040	1,279	1,428	1,815	2,046	2,151	2,400	2,391
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	95	82	103	73	85	75	82	84	90	92
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Asian	722	802	801	823	915	1,018	1,015	1,079	1,177	1,050
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Black or African American	1,132	1,427	1,445	1,474	1,570	1,587	1,699	1,690	1,662	1,655
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	23	26	29	30	29	30	43	33	39	32
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	White	8,134	8,979	9,219	9,858	10,449	10,942	11,159	11,259	11,555	11,300
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	More than one race	112	175	237	276	354	399	488	535	551	570
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	656	1,271	571	629	572	611	585	549	611	599
Non-science and engineering	Science and engineering technologies	Health technologies	Female	Temporary resident	NA	166	178	194	177	177	201	243	226	241	284
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	239	287	373	409	471	645	638	646	703	653
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	26	21	25	22	27	30	23	24	31	19
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Asian	311	357	363	337	407	428	447	386	418	398
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Black or African American	371	434	426	492	512	541	487	523	506	480
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	11	10	18	18	15	12	21	18	16
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	White	2,079	2,208	2,354	2,547	2,613	2,672	2,617	2,534	2,486	2,361
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	More than one race	29	40	82	77	101	146	125	145	131	134
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	208	295	219	194	188	218	186	147	169	172

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Health technologies	Male	Temporary resident	NA	98	120	123	119	149	187	172	169	174	170
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	26	52	47	44	40	35	49	41	69	104
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	9	10	5	7	8	7	5	4	14
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Asian	9	17	12	8	6	10	9	11	11	15
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Black or African American	10	15	22	17	17	13	30	17	22	18
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	1	0	0	3	0	2
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	White	110	142	156	141	117	121	137	126	124	136
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	More than one race	1	4	3	6	6	7	7	8	10	12
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	10	6	2	2	3	10	5	2	4
Non-science and engineering	Science and engineering technologies	Science technologies	Female	Temporary resident	NA	24	10	13	7	12	7	4	13	11	9
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19	31	30	32	42	42	43	51	64	91
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	3	2	5	3	3	3	4	5
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Asian	6	7	9	14	11	12	7	10	10	11
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Black or African American	8	22	37	21	17	31	37	42	35	18
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	1	1	2	0	2	2	2	1
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	White	120	203	201	186	195	169	179	176	227	154
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	More than one race	2	5	9	6	3	7	6	10	18	13
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	11	22	16	4	11	7	6	12	14	8
Non-science and engineering	Science and engineering technologies	Science technologies	Male	Temporary resident	NA	15	15	11	5	7	7	12	4	4	3
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	1	2	4	3	8	4	8	13	18

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	1	2	1	3
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Asian	0	0	1	1	0	0	3	1	4	6
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	6	7	13	8	8	14	11	13	16	25
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	1	1	0	0	3
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	White	8	8	7	8	35	42	43	86	105	150
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	More than one race	0	0	0	2	1	3	2	5	12	13
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	1	0	2	0	2	2	5	8
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	Temporary resident	NA	0	0	0	0	2	0	1	5	3	3
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	5	10	12	23	16	34	50	62	95
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	0	0	2	4	3	3	3	5
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Asian	0	0	0	1	2	3	8	15	8	22
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	10	17	15	29	25	26	26	30	52	70
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	1	1	1	1	2	9
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	White	34	40	53	109	157	220	287	386	411	596
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	More than one race	1	1	0	3	3	9	11	26	19	46
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	3	1	3	9	10	25	15	39	66
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	Temporary resident	NA	0	2	1	3	3	1	6	7	12	18
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,215	2,518	2,808	3,114	3,104	3,388	3,666	4,003	4,192	4,256
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	162	158	152	184	162	159	185	179	185	184
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Asian	362	351	366	386	372	416	396	479	487	449

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Black or African American	3,359	3,731	4,115	4,077	4,332	4,461	4,443	4,432	4,278	4,212
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	33	38	46	38	35	54	40	68	54	53
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	White	8,244	9,188	9,936	10,475	10,857	10,861	11,020	10,918	10,702	10,126
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	More than one race	292	239	306	415	471	577	636	613	676	766
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	946	791	624	593	709	570	551	503	554	608
Non-science and engineering	Social service professions	Social service professions	Female	Temporary resident	NA	133	140	143	151	133	171	190	175	186	196
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	338	380	424	483	493	468	580	543	609	569
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	20	28	30	30	37	25	34	27	31	28
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Asian	93	75	91	72	79	86	85	98	93	97
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Black or African American	466	571	621	646	734	699	716	631	678	579
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	6	10	11	13	12	14	15	17
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	White	1,108	1,178	1,315	1,407	1,369	1,417	1,480	1,443	1,368	1,329
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	More than one race	57	37	52	60	72	95	73	101	84	101
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	228	176	94	108	130	88	115	80	84	99
Non-science and engineering	Social service professions	Social service professions	Male	Temporary resident	NA	24	38	31	24	38	45	40	25	34	38
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5,802	6,524	7,463	8,204	8,864	9,180	9,827	10,077	11,029	11,518
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	360	370	376	360	357	336	348	277	329	287
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Asian	1,357	1,433	1,531	1,550	1,580	1,596	1,649	1,736	1,671	1,629
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Black or African American	7,765	8,801	9,353	9,432	9,518	9,352	9,172	8,768	8,681	8,311
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	94	113	149	179	133	153	136	145	127	114

Table 2-2

## Bachelor's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	White	24,332	25,621	26,811	26,990	26,260	26,535	25,389	24,642	24,067	24,074
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	More than one race	492	691	825	1,120	1,356	1,521	1,636	1,686	1,744	1,771
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	More than one race	2,793	3,277	3,098	2,735	2,507	2,036	1,774	1,553	1,647	1,574
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	Temporary resident	NA	392	417	425	516	488	580	600	698	804	844
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3,642	4,187	4,963	5,372	5,865	6,117	6,405	6,213	6,432	6,392
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	231	180	204	225	216	211	204	191	200	168
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Asian	855	958	1,125	1,140	1,103	1,042	1,060	1,105	1,059	1,017
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Black or African American	3,610	4,049	4,822	5,052	5,113	5,091	4,897	4,766	4,504	4,158
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	84	121	126	152	176	167	155	138	125	125
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	White	16,819	18,353	20,648	21,420	21,078	20,145	19,136	18,455	17,138	16,442
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	More than one race	238	387	490	663	779	883	960	929	936	992
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,820	2,361	2,369	2,347	2,301	1,905	1,650	1,546	1,547	1,597
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	Temporary resident	NA	189	209	251	291	290	388	490	541	583	569

NA = not available.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Race and ethnicity data are available only for U.S. citizens and permanent residents; temporary visa holders include all racial or ethnic groups. Data are based on degree-granting, primarily postsecondary institutions eligible to participate in Title IV federal financial aid programs.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022, Table Builder) of the National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, provisional release data.



Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	4	4	7	7	2	1	7	2	6
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Asian	2	2	1	3	3	2	1	4	2	3
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Black or African American	2	2	0	2	2	0	3	0	1	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	White	62	60	64	76	49	44	63	57	65	46
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	More than one race	0	0	0	3	1	2	1	3	2	1
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	5	3	1	2	5	5	2	4	3
Science and engineering	Geosciences	Atmospheric sciences	Female	Temporary resident	NA	9	20	19	19	26	21	30	18	22	21
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	5	4	8	5	6	6	5	6	2
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	2	0	0	0	1	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Asian	4	3	4	1	2	2	1	6	2	4
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Black or African American	2	2	6	4	2	3	1	5	1	1
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	White	108	112	105	103	117	101	93	94	75	85
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	More than one race	0	2	3	0	4	2	1	4	4	2
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	4	5	11	10	7	6	3	8	0
Science and engineering	Geosciences	Atmospheric sciences	Male	Temporary resident	NA	12	19	13	25	23	23	23	30	22	21
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	32	31	31	44	48	49	55	64	62
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	8	5	0	3	7	3	2	5	3

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Asian	14	21	13	12	24	33	17	24	30	23
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Black or African American	6	11	14	13	16	10	15	17	15	21
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	1	1	1	0	1	1	0
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	White	442	469	515	505	529	510	481	460	491	431
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	More than one race	5	15	18	22	14	21	17	26	30	25
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	41	46	36	30	41	26	34	25	24	15
Science and engineering	Geosciences	Earth sciences	Female	Temporary resident	NA	91	94	112	105	109	108	129	91	85	75
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	36	40	37	46	42	45	56	68	66	72
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	8	7	3	3	5	3	0	3	1
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Asian	13	13	14	22	21	15	19	23	29	26
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Black or African American	19	22	23	20	24	17	15	23	23	25
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	1	1	1	0	2	1	2
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	White	569	655	659	722	710	670	692	643	670	612
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	More than one race	4	7	20	23	13	24	20	30	30	21
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	50	49	41	51	44	38	53	35	28	33
Science and engineering	Geosciences	Earth sciences	Male	Temporary resident	NA	96	166	159	175	173	181	177	143	137	114
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	2	5	6	7	5	5	5	6
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Asian	2	0	5	2	2	4	3	3	2	4
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Black or African American	0	1	0	0	1	0	2	0	2	2

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	White	58	70	46	69	62	67	67	65	63	64
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	More than one race	0	0	0	2	1	0	4	4	0	6
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	3	6	3	7	2	4	5	1	5
Science and engineering	Geosciences	Oceanography	Female	Temporary resident	NA	6	10	8	5	5	3	11	4	8	11
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	2	0	0	5	1	2	1	6
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	1	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Asian	2	0	4	2	1	2	2	0	0	1
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Black or African American	0	0	2	0	0	0	0	1	2	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	White	39	51	55	44	45	41	53	48	39	36
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	More than one race	0	1	1	3	0	2	1	2	3	2
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	7	4	2	5	3	1	2	5	2
Science and engineering	Geosciences	Oceanography	Male	Temporary resident	NA	12	7	6	14	12	17	12	12	13	13
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	147	177	180	190	192	222	233	245	279	316
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	17	26	8	26	11	24	21	24	23
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Asian	122	137	120	109	103	105	115	119	107	147
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Black or African American	103	99	114	111	102	116	109	131	146	103
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	9	4	8	2	6	6	4	11
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	White	1,841	2,175	2,087	2,198	2,118	2,247	2,211	2,342	2,494	2,515
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	More than one race	29	35	55	54	73	72	90	105	120	108
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	172	144	178	167	162	159	163	173	174	140

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Agricultural sciences	Female	Temporary resident	NA	312	367	404	453	444	506	508	582	596	613
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	117	125	115	115	122	161	149	175	198	202
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	13	17	10	12	14	15	9	14	11	20
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Asian	77	81	64	76	63	56	69	78	91	67
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Black or African American	77	67	73	79	87	80	93	93	93	83
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	5	6	3	4	0	2	3	4	3
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	White	1,643	1,868	1,800	1,789	1,742	1,745	1,726	1,713	1,783	1,697
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	More than one race	19	36	40	55	55	42	80	57	71	76
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	129	176	141	144	128	130	119	135	115	108
Science and engineering	Life sciences	Agricultural sciences	Male	Temporary resident	NA	322	315	335	349	349	374	413	452	444	438
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	355	414	442	503	542	655	772	855	1,039	1,148
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	22	32	21	28	22	12	25	25	32	29
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Asian	675	795	860	906	927	998	1,084	1,209	1,241	1,284
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Black or African American	389	462	527	520	572	625	728	825	968	1,017
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	13	17	11	10	8	9	10	9	8	11
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	White	3,322	3,629	3,751	3,944	4,114	4,399	4,689	5,079	5,138	5,572
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	More than one race	56	101	168	193	186	221	285	306	343	411
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	491	474	446	442	493	536	410	428	513	497
Science and engineering	Life sciences	Biological sciences	Female	Temporary resident	NA	1,109	1,154	1,197	1,272	1,462	1,405	1,542	1,622	1,598	1,700
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	226	263	312	369	374	510	569	592	655	680

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	18	16	18	21	21	12	18	8	26	13
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Asian	569	621	694	717	796	791	854	895	1,004	876
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Black or African American	210	211	225	265	275	307	346	384	435	445
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	9	11	10	12	7	9	7	5	11
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	White	2,516	2,809	3,077	3,182	3,195	3,432	3,484	3,560	3,643	3,593
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	More than one race	54	66	115	133	146	166	194	178	210	228
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	387	346	325	343	360	381	295	278	281	285
Science and engineering	Life sciences	Biological sciences	Male	Temporary resident	NA	792	894	848	873	865	904	939	962	915	940
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	178	225	189	236	273	334	329	391	478	581
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	11	18	14	22	13	22	22	17	13	16
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Asian	547	499	515	622	747	849	1,045	1,079	1,235	1,479
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Black or African American	482	580	689	664	698	736	804	844	973	1,066
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	7	4	11	13	12	12	16	13	14
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	White	1,252	1,247	1,370	1,559	1,735	1,732	1,843	2,119	2,354	2,781
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	More than one race	37	47	75	83	109	114	150	168	185	224
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	414	442	447	471	443	455	417	454	535	582
Science and engineering	Math and computer sciences	Computer science	Female	Temporary resident	NA	2,580	2,778	2,960	3,420	5,576	8,118	9,772	10,008	9,237	10,489
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	481	585	626	685	783	826	902	1,081	1,208	1,494
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	37	34	31	34	40	37	50	32	38	45
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Asian	1,071	1,068	1,223	1,259	1,427	1,750	2,205	2,098	2,256	2,806

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Black or African American	730	840	1,087	1,137	1,215	1,262	1,348	1,555	1,673	1,837
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	21	10	20	24	25	25	33	24	26	28
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	White	4,301	4,750	5,155	5,238	5,488	5,546	6,125	6,578	7,381	8,024
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	More than one race	70	133	154	207	236	274	338	395	425	515
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,147	1,165	1,126	1,157	954	926	919	880	1,006	1,071
Science and engineering	Math and computer sciences	Computer science	Male	Temporary resident	NA	6,153	6,587	7,148	7,806	11,777	17,193	20,301	18,809	16,718	18,799
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	73	83	101	94	95	102	118	150	160	214
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	7	3	3	1	4	4	2	2	2	5
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	211	223	223	230	235	262	339	342	376	471
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	69	75	66	75	73	81	85	89	126	114
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	1	1	1	0	1	3	1	0
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	912	967	967	1,039	976	1,021	1,065	1,099	1,162	1,228
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	13	23	27	24	37	34	53	46	65	52
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	139	133	125	106	80	112	110	126	118	147
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	Temporary resident	NA	1,091	1,202	1,414	1,674	1,879	2,292	2,717	3,373	3,812	4,005
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	143	150	190	181	203	197	205	266	326	374
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	8	6	4	5	5	3	4	6	11
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	299	280	336	314	318	334	369	448	524	539
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	95	106	141	118	131	128	127	145	161	176
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	4	0	2	3	4	4	2	3	2

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	1,540	1,641	1,666	1,688	1,754	1,805	1,776	2,078	2,270	2,346
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	21	40	52	44	64	67	82	86	147	140
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	231	223	216	171	198	210	211	198	258	249
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	Temporary resident	NA	1,347	1,521	1,812	2,018	2,213	2,732	3,027	3,696	4,122	4,367
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	2	1	0	1	4	4	2	5	7
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	1	0	0	1	0	1	0	0
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Asian	5	3	9	2	6	5	5	5	9	5
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Black or African American	0	1	0	2	0	0	1	2	4	1
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	White	36	31	47	38	36	30	45	27	51	42
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	More than one race	1	0	0	2	3	1	2	2	3	2
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	2	9	4	1	2	2	1	1	0
Science and engineering	Physical sciences	Astronomy	Female	Temporary resident	NA	17	11	9	18	15	14	11	10	18	11
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	2	4	5	4	6	3	5	15	9
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Asian	3	3	5	7	4	4	4	3	7	9
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Black or African American	0	1	1	1	1	0	0	1	0	5
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	White	62	51	54	52	59	56	60	58	69	62
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	More than one race	2	1	2	0	1	2	3	1	5	5
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	7	4	6	6	4	3	2	5	7
Science and engineering	Physical sciences	Astronomy	Male	Temporary resident	NA	34	12	24	23	19	11	26	25	33	30
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	51	46	42	57	55	57	64	84	77	84

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	2	7	0	1	0	0	1	4	1
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Asian	107	80	101	98	81	109	87	99	88	93
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Black or African American	61	71	54	67	61	44	54	43	43	47
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	1	0	0	2	2	2	1	2
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	White	428	463	458	441	433	461	484	453	505	483
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	More than one race	7	17	17	13	25	23	23	28	24	25
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	67	36	53	50	48	42	31	45	34	20
Science and engineering	Physical sciences	Chemistry	Female	Temporary resident	NA	358	415	397	396	405	407	392	361	328	313
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	56	36	57	59	68	78	85	85	103	100
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	4	3	7	3	3	3	6	1	2
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Asian	99	91	101	97	102	89	97	97	104	86
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Black or African American	32	58	30	35	36	45	40	40	38	48
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	3	2	1	0	1	0	0	2
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	White	536	647	603	556	625	617	654	632	637	559
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	More than one race	10	9	19	18	25	37	29	22	36	23
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	71	64	55	55	51	49	51	35	43	35
Science and engineering	Physical sciences	Chemistry	Male	Temporary resident	NA	434	451	477	480	471	450	460	426	349	376
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	15	6	13	19	16	23	16	23	35
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	1	2	2	2	0	0	2	1
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Asian	22	15	18	18	22	19	30	28	20	25





Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	White	71	69	58	52	43	23	42	51	57	61
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	More than one race	2	3	3	1	1	4	1	5	2	8
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	6	5	11	4	4	10	8	1	1
Science and engineering	Physical sciences	Other physical sciences	Female	Temporary resident	NA	13	14	14	18	12	15	13	21	22	13
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	2	3	4	0	0	3	4	3	8
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	0	0	0	1	0	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Asian	8	2	0	0	4	0	2	4	1	1
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Black or African American	3	6	4	3	2	1	4	3	1	1
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	White	60	69	49	54	48	33	50	29	43	40
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	More than one race	2	1	0	1	2	2	2	1	1	2
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	4	2	8	9	7	9	3	4	1
Science and engineering	Physical sciences	Other physical sciences	Male	Temporary resident	NA	5	27	28	19	27	21	31	25	37	13
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1,619	1,743	2,019	2,054	2,108	2,455	2,527	2,666	2,893	3,109
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	89	92	117	119	93	96	99	108	98	100
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Asian	583	659	712	684	623	697	689	780	859	877
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Black or African American	2,401	2,596	2,668	2,763	2,582	2,680	2,690	2,782	2,913	2,718
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	34	38	46	55	50	44	66	53	47	52
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	White	10,315	10,927	11,329	11,554	10,827	11,014	10,590	10,626	11,085	11,209
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	More than one race	194	325	376	408	440	486	580	643	659	783

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,861	2,086	1,889	1,720	1,577	1,603	1,505	1,578	1,819	1,741
Science and engineering	Psychology	Psychology	Female	Temporary resident	NA	548	610	696	648	626	781	727	771	789	770
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	432	404	528	512	556	608	630	675	748	721
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	27	20	23	35	26	36	30	23	26	25
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Asian	170	215	196	201	210	186	214	234	224	261
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Black or African American	455	531	511	550	507	557	581	576	552	679
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	9	17	13	17	10	11	12	18	13	14
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	White	2,912	3,056	3,213	3,294	3,128	2,984	2,966	2,847	2,862	2,813
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	More than one race	47	75	104	92	101	137	150	140	151	180
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	501	553	468	433	371	460	388	409	439	418
Science and engineering	Psychology	Psychology	Male	Temporary resident	NA	166	174	232	193	194	206	209	199	211	218
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	58	49	73	57	64	73	74	79	79	92
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	6	9	8	10	4	4	10	6	6	10
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Asian	34	33	17	26	29	30	18	35	17	21
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Black or African American	23	31	24	21	23	27	18	40	33	34
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	4	1	0	1	3	1	1	3	1
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	White	571	577	539	611	582	514	530	541	500	478
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	More than one race	13	22	28	37	29	23	28	40	46	37
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	96	82	68	78	52	53	47	47	38	24
Science and engineering	Social sciences	Anthropology	Female	Temporary resident	NA	47	53	61	60	63	59	72	81	83	66

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31	32	35	28	34	28	36	41	40	42
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	5	4	3	1	6	7	4	3	2
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Asian	9	5	10	12	10	15	8	5	8	10
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Black or African American	7	11	8	10	5	7	11	5	9	4
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	2	0	0
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	White	254	286	233	270	275	275	222	235	193	208
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	More than one race	4	9	8	18	15	22	15	15	12	14
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	43	28	33	34	25	25	24	17	15	7
Science and engineering	Social sciences	Anthropology	Male	Temporary resident	NA	38	42	45	41	46	40	42	33	39	44
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	115	140	136	156	160	228	174	168	138	127
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	15	19	20	17	22	35	45	43	34	26
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Asian	54	62	75	70	71	55	72	48	51	63
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Black or African American	133	112	101	108	93	95	93	107	97	95
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	10	4	6	4	2	3	1	2	2
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	White	557	534	510	462	492	428	415	392	353	328
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	More than one race	22	33	34	38	41	41	42	47	57	50
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	74	60	68	62	66	36	43	34	45	21
Science and engineering	Social sciences	Area and ethnic studies	Female	Temporary resident	NA	159	159	202	218	200	216	192	189	185	189
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	72	85	79	94	88	130	94	105	78	61
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	10	8	5	14	7	21	21	22	14

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Asian	46	38	33	26	17	26	45	28	35	40
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Black or African American	51	45	41	34	56	46	51	49	44	34
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	3	5	4	1	2	5	0	0	2
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	White	385	403	410	335	372	336	282	260	237	265
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	More than one race	13	16	25	22	25	15	14	25	24	21
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	67	34	33	41	42	33	24	18	20	22
Science and engineering	Social sciences	Area and ethnic studies	Male	Temporary resident	NA	102	94	90	93	94	109	108	100	92	122
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	70	61	47	55	66	64	61	51	79	78
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	1	4	3	1	3	1	3	2	3
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Asian	104	112	111	97	109	81	85	99	92	115
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Black or African American	43	44	59	41	57	50	48	54	61	49
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	3	0	1	2	0	0	1
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	White	468	512	429	451	412	464	450	383	461	457
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	More than one race	13	22	20	16	13	26	21	26	18	22
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	124	123	80	93	89	46	66	49	51	35
Science and engineering	Social sciences	Economics	Female	Temporary resident	NA	902	860	1,023	1,093	1,052	1,069	1,162	1,176	1,300	1,252
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	82	100	113	91	98	109	117	114	106	144
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	3	4	1	1	3	2	3	2	1
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Asian	115	160	119	114	122	119	134	109	112	119
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Black or African American	78	76	90	83	77	74	65	79	84	76

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	4	2	0	0	2	0	0	2
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	White	1,001	1,030	945	967	895	883	854	887	884	943
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	More than one race	28	28	35	29	34	35	40	37	39	52
Science and engineering	Social sciences	Economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	189	185	134	142	119	106	90	68	77	61
Science and engineering	Social sciences	Economics	Male	Temporary resident	NA	946	1,012	1,070	1,260	1,287	1,245	1,335	1,304	1,391	1,415
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	3	1	1	1	0	0	0	1	2
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	1	0	0	0	0	0
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Asian	1	1	1	1	2	0	1	0	2	0
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Black or African American	0	0	1	1	1	1	0	1	1	2
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	White	10	11	5	9	7	12	13	6	9	8
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	2	0	1	0	0
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	1	2	0	1	2	0	1	0	1
Science and engineering	Social sciences	History of science	Female	Temporary resident	NA	1	2	4	5	2	1	2	6	5	2
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	0	1	0	1	1	0	1	1	2
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	0	0	0	0
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Asian	0	1	0	1	0	0	0	1	0	1
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	1	0	2	1	0	2	0
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	White	24	13	12	3	8	11	12	9	12	7
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	More than one race	0	1	1	0	0	0	2	0	0	0
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	1	2	1	0	1	1	1	0	0

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	History of science	Male	Temporary resident	NA	4	3	3	2	2	2	0	3	1	5
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	32	40	35	41	31	41	33	42	42	43
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	3	4	4	1	7	4	0	1	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Asian	27	33	36	27	20	36	22	27	33	29
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Black or African American	13	13	9	11	18	15	15	14	17	7
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	White	236	239	236	208	239	233	193	205	185	201
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	More than one race	5	10	9	9	11	16	14	16	9	13
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	31	28	40	24	24	23	9	24	26	24
Science and engineering	Social sciences	Linguistics	Female	Temporary resident	NA	134	142	122	117	180	128	137	120	114	90
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	18	21	18	19	18	22	18	21	20
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	2	2	1	2	0	1	2	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Asian	11	8	8	18	7	13	9	7	7	6
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Black or African American	5	4	7	7	3	4	5	1	3	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	0	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	White	132	175	154	154	139	137	120	126	113	97
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	More than one race	0	7	8	7	8	10	7	6	6	15
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	27	17	24	18	16	9	19	12	17	12
Science and engineering	Social sciences	Linguistics	Male	Temporary resident	NA	41	50	66	62	62	86	78	59	66	38
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	970	1,165	1,197	1,348	1,368	1,336	1,445	1,465	1,656	1,659

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	81	86	86	106	88	95	74	90	57	70
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Asian	695	706	707	695	655	671	702	625	651	713
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Black or African American	2,483	2,836	3,179	3,039	3,078	2,959	2,438	2,556	2,514	2,478
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	39	31	40	37	39	37	43	33	30	37
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	White	6,124	6,699	6,652	6,518	6,211	6,063	5,559	5,408	5,804	5,513
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	More than one race	155	268	294	364	377	373	345	386	390	416
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,606	1,696	1,619	1,333	1,314	1,414	754	710	748	745
Science and engineering	Social sciences	Political science and public administration	Female	Temporary resident	NA	1,395	1,425	1,632	1,766	1,806	1,869	1,837	1,867	1,990	1,746
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	736	800	822	960	937	1,020	1,028	1,058	1,080	1,119
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	56	48	48	55	54	42	55	43	37	33
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Asian	382	429	433	443	449	370	452	407	431	405
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Black or African American	1,024	1,114	1,140	1,273	1,161	1,188	1,142	1,124	1,052	1,023
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	40	24	30	27	35	31	29	25	19	29
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	White	5,685	5,953	5,979	5,652	5,622	5,369	5,112	4,892	5,038	4,854
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	More than one race	112	148	169	215	226	255	227	249	295	287
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,150	1,307	1,260	979	895	863	560	610	572	562
Science and engineering	Social sciences	Political science and public administration	Male	Temporary resident	NA	1,395	1,356	1,475	1,511	1,471	1,546	1,579	1,550	1,544	1,380
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	101	125	117	137	138	113	127	152	150	147
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	10	5	3	3	3	4	3	2	4
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Asian	54	51	52	40	41	30	59	38	48	40



Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Black or African American	139	148	158	179	141	109	128	152	135	153
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	1	0	0	2	3	2	1
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	White	567	634	576	576	485	490	461	419	478	441
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	More than one race	21	31	35	38	32	27	42	35	39	30
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	87	72	37	47	42	28	32	29	36	17
Science and engineering	Social sciences	Sociology	Female	Temporary resident	NA	99	105	126	103	104	101	93	112	128	111
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	65	76	60	72	54	84	70	73	78	67
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	5	2	3	4	1	3	3	2	0
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Asian	32	33	29	18	20	18	20	20	14	19
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Black or African American	59	55	62	71	56	50	52	63	50	53
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	2	0	2	1	2	0	0
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	White	296	343	300	271	258	252	258	256	226	204
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	More than one race	6	12	11	18	21	15	15	12	21	12
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	41	42	36	16	23	20	13	26	11	7
Science and engineering	Social sciences	Sociology	Male	Temporary resident	NA	65	67	45	66	59	76	62	72	84	50
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	214	221	227	251	279	281	371	396	384	407
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	20	8	9	8	9	12	13	12	15	11
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Asian	113	125	118	117	105	123	146	163	144	207
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Black or African American	376	387	475	516	514	511	564	536	477	453
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	3	4	4	5	6	5	7	5	4

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	White	1,533	1,603	1,688	1,599	1,571	1,550	1,585	1,583	1,701	1,662
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	More than one race	45	68	51	88	77	72	87	90	99	121
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	210	207	226	179	190	191	186	175	201	151
Science and engineering	Social sciences	Other social sciences	Female	Temporary resident	NA	216	228	257	261	285	301	378	403	426	483
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	119	143	153	142	180	164	210	177	176	202
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	12	17	14	12	8	7	7	6	7	3
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Asian	63	80	78	68	76	67	74	77	95	87
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Black or African American	169	163	216	204	207	198	195	163	163	168
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	5	2	9	11	4	0	7	4	3
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	White	1,397	1,576	1,509	1,414	1,302	1,210	1,151	1,167	1,131	953
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	More than one race	20	40	35	43	45	44	48	53	63	66
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	160	171	167	142	117	110	113	99	138	111
Science and engineering	Social sciences	Other social sciences	Male	Temporary resident	NA	165	224	182	183	179	196	232	273	269	229
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	10	16	15	16	12	18	17	12	18
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	1	1	1	3	0
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Asian	14	18	15	20	14	18	15	26	32	23
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Black or African American	4	3	3	5	2	5	5	5	10	7
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	0	0	1	0	0	0
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	White	102	100	98	109	91	117	108	109	125	152
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	More than one race	2	7	1	8	5	6	6	4	15	9

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	9	6	8	7	6	7	5	6	5	5
Science and engineering	Engineering	Aerospace engineering	Female	Temporary resident	NA	58	47	48	42	44	74	85	101	86	90
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	54	58	65	63	72	62	95	98	109	107
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	1	6	3	3	1	2	3	2	3
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Asian	95	108	96	90	84	90	92	121	116	114
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Black or African American	21	15	19	24	16	21	21	25	21	19
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	0	0	0	0	1	1	1	0
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	White	597	705	596	599	620	641	696	640	712	756
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	More than one race	13	13	22	15	25	24	34	37	34	50
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	53	33	33	32	29	35	47	35	30	21
Science and engineering	Engineering	Aerospace engineering	Male	Temporary resident	NA	274	282	239	278	291	324	348	391	317	311
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19	25	13	16	29	28	36	23	25	26
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	0	1	0	2	0	2	1
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Asian	47	51	53	56	62	68	73	69	55	66
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Black or African American	15	14	19	15	18	15	22	16	18	15
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	0	1	0
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	White	130	137	143	142	155	140	182	179	145	181
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	More than one race	5	4	4	4	9	7	13	12	15	13
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	16	17	18	16	16	26	20	29	13	6
Science and engineering	Engineering	Chemical engineering	Female	Temporary resident	NA	273	345	363	368	385	414	436	487	426	312

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	34	33	49	49	67	51	58	58	62	62
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	1	0	2	3	4	2	2	2
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Asian	106	113	100	115	112	139	122	109	131	125
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Black or African American	27	34	47	35	44	37	30	33	32	34
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	1	0	0	0	1	0	0
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	White	375	424	381	453	435	411	460	505	455	415
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	More than one race	10	14	9	10	21	15	16	28	27	27
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	44	46	37	37	44	44	50	49	33	23
Science and engineering	Engineering	Chemical engineering	Male	Temporary resident	NA	638	650	694	775	878	908	917	942	879	701
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	103	152	137	157	132	141	152	127	174	156
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	6	3	4	4	6	2	5	6	4
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Asian	174	156	167	166	128	147	127	170	179	161
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Black or African American	55	47	56	37	32	72	41	43	49	40
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	3	1	4	3	3	3	3	0
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	White	745	838	832	829	798	799	784	778	810	800
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	More than one race	15	32	34	43	35	41	38	45	51	54
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	77	63	111	95	79	65	54	64	47	47
Science and engineering	Engineering	Civil engineering	Female	Temporary resident	NA	476	558	640	664	754	853	887	1,047	929	848
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	215	253	288	310	313	304	300	301	337	315
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	12	11	11	8	5	7	3	8	3	8

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Asian	307	355	334	312	278	278	244	265	262	235
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Black or African American	97	122	121	124	116	106	119	94	111	99
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	6	6	3	3	2	5	8	3	3
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	White	2,248	2,345	2,214	2,185	1,950	1,850	1,698	1,746	1,663	1,494
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	More than one race	35	55	70	73	60	71	81	69	74	88
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	205	214	271	236	140	143	120	144	101	96
Science and engineering	Engineering	Civil engineering	Male	Temporary resident	NA	1,143	1,190	1,188	1,444	1,742	2,033	2,335	2,335	2,189	1,839
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	43	46	38	45	61	63	56	54	75	89
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	2	0	2	2	4	1	0	1
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Asian	391	315	319	298	303	316	259	232	282	317
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Black or African American	56	48	30	53	42	55	34	41	46	47
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	1	0	1	2	0	1	1
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	White	256	268	254	268	281	278	304	303	331	355
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	More than one race	8	13	9	11	18	20	21	24	25	30
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	83	61	72	109	44	59	55	45	50	66
Science and engineering	Engineering	Electrical engineering	Female	Temporary resident	NA	1,641	1,761	1,756	2,059	2,994	3,752	3,638	3,334	2,885	2,746
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	330	317	296	335	330	326	364	370	403	429
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	8	13	9	6	6	14	10	8	9	5
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Asian	1,039	949	1,007	791	780	808	803	806	824	836
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Black or African American	235	206	221	182	216	210	210	195	202	194

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	2	6	4	9	7	4	3	1	5
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	White	2,257	2,422	2,259	2,157	2,154	2,018	2,138	2,155	2,176	2,125
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	More than one race	54	51	76	92	77	116	98	113	148	121
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	388	376	338	486	333	308	255	211	233	222
Science and engineering	Engineering	Electrical engineering	Male	Temporary resident	NA	5,749	5,792	5,780	6,215	8,113	10,380	9,723	8,304	7,232	6,644
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	112	126	140	142	120	102	140	149	130	147
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	10	4	4	4	1	6	2	5	1
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Asian	116	102	113	91	90	82	102	118	119	137
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Black or African American	93	95	90	77	95	71	72	77	90	101
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	1	1	1	3	1	1	0
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	White	357	395	381	393	436	384	396	515	486	536
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	More than one race	9	14	12	19	18	21	25	28	29	28
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	79	78	64	79	48	60	36	30	36	34
Science and engineering	Engineering	Industrial engineering	Female	Temporary resident	NA	576	618	597	705	749	965	1,072	1,137	944	871
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	215	280	254	303	277	276	283	285	281	258
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	12	10	9	6	7	11	9	9	6	11
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Asian	246	228	263	234	200	190	207	211	211	212
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Black or African American	139	135	143	162	161	170	163	167	160	165
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	7	2	8	1	3	3	2	5	3
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	White	1,184	1,392	1,385	1,413	1,266	1,360	1,313	1,378	1,337	1,456

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	More than one race	34	25	44	40	35	45	38	51	51	51
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	240	216	225	216	137	169	165	133	88	126
Science and engineering	Engineering	Industrial engineering	Male	Temporary resident	NA	1,668	1,614	1,601	1,712	1,986	2,719	3,726	3,427	2,643	2,371
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	12	18	16	17	10	13	19	27	22	29
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	2	0	1	0	0	0	0	0
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Asian	28	23	40	36	29	33	34	35	44	37
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Black or African American	5	8	4	12	6	11	9	8	7	10
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	1	0	0	0
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	White	78	107	104	95	101	100	120	119	139	132
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	More than one race	0	5	4	5	6	8	6	3	14	9
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	11	6	4	8	7	16	6	6	9
Science and engineering	Engineering	Materials engineering	Female	Temporary resident	NA	111	147	158	179	185	215	221	216	206	188
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	22	17	35	28	34	22	39	31	46	48
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	1	0	1	0	0	0	2	1
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Asian	45	44	62	62	65	66	74	63	59	75
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Black or African American	9	11	13	9	15	20	13	16	27	15
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	2	0	0	0	0	1	0	0
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	White	248	256	260	284	253	332	272	340	314	319
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	More than one race	5	7	11	11	12	19	13	19	17	25
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	25	26	17	12	18	26	29	20	19	13

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Materials engineering	Male	Temporary resident	NA	295	307	363	416	420	436	505	543	517	536
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	34	41	49	63	59	62	53	75	73	69
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	3	2	2	1	1	1	1	2	3
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Asian	86	64	81	75	98	93	104	100	122	124
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Black or African American	26	23	21	15	25	21	26	24	26	27
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	0	2
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	White	336	303	354	370	376	363	428	402	445	510
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	More than one race	5	11	14	15	19	31	28	38	42	42
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	29	30	22	35	58	45	35	19	39	30
Science and engineering	Engineering	Mechanical engineering	Female	Temporary resident	NA	271	276	288	385	438	510	536	486	505	474
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	188	236	246	242	275	287	337	340	350	350
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	12	10	8	6	4	10	8	7	6	5
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Asian	380	364	352	357	377	378	401	374	469	432
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Black or African American	78	93	79	89	90	85	80	99	104	98
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	5	0	4	3	7	2	0	4
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	White	2,288	2,396	2,274	2,225	2,260	2,121	2,160	2,297	2,344	2,255
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	More than one race	31	39	58	83	70	98	103	91	112	124
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	232	213	237	248	233	198	168	182	135	120
Science and engineering	Engineering	Mechanical engineering	Male	Temporary resident	NA	1,939	1,871	1,901	2,075	2,566	3,358	3,911	3,733	3,136	2,817
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	101	102	129	120	128	152	145	212	220	260



Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	5	10	1	5	10	8	8	10	10
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Asian	303	287	281	263	299	316	326	341	343	355
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Black or African American	110	139	126	124	150	107	134	167	147	156
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	5	2	3	2	0	4	4	3	0
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	White	794	884	956	919	1,037	1,071	1,149	1,249	1,364	1,378
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	More than one race	17	39	39	42	54	61	57	70	85	91
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	128	153	145	133	113	146	125	149	115	128
Science and engineering	Engineering	Other engineering	Female	Temporary resident	NA	671	620	775	900	948	1,114	1,192	1,217	1,218	1,243
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	220	271	304	304	367	313	331	385	442	490
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	15	16	11	15	13	13	17	15	9	14
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Asian	565	615	584	608	550	577	678	651	689	606
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Black or African American	210	252	263	265	295	263	268	258	287	330
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	7	4	12	10	5	7	4	5	6
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	White	2,584	3,050	3,065	3,150	3,050	3,094	3,089	3,198	3,189	3,195
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	More than one race	53	63	85	97	121	137	123	159	182	157
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	474	482	507	466	417	417	329	308	319	287
Science and engineering	Engineering	Other engineering	Male	Temporary resident	NA	1,604	1,506	1,528	1,674	1,967	2,369	2,481	2,537	2,612	2,611
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	249	293	291	340	355	339	338	358	358	388
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	13	8	13	8	5	13	6	10	9
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Asian	285	296	265	290	257	266	231	229	207	195

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Black or African American	141	156	138	172	171	162	154	170	156	147
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	5	3	5	3	4	5	6	5	4
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	White	2,006	2,267	2,173	1,972	1,787	1,642	1,607	1,520	1,468	1,398
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	More than one race	33	40	73	81	90	86	75	102	94	86
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	310	322	249	201	189	173	127	100	109	87
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	Temporary resident	NA	658	746	798	1,008	1,130	1,265	1,443	1,420	1,313	1,227
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	271	323	320	362	391	394	344	301	437	382
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	16	14	12	8	11	5	10	11	3	7
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Asian	198	193	195	177	179	152	166	149	139	139
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Black or African American	167	177	169	146	140	153	155	146	180	134
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	4	6	4	7	4	4	4	2	2
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	White	2,675	2,773	2,548	2,266	2,173	2,082	1,915	1,626	1,561	1,438
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	More than one race	34	57	81	74	74	70	86	71	76	78
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	313	327	228	186	201	178	149	113	102	87
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	Temporary resident	NA	574	595	614	806	886	1,023	1,075	979	1,021	891
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	411	511	537	576	577	630	655	694	676	690
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	29	28	33	35	23	32	18	21	25	28
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Asian	497	503	565	520	502	528	499	526	504	485
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Black or African American	440	418	405	494	545	544	542	598	558	612
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	7	10	16	13	5	8	14	4	11

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	White	5,313	5,646	5,757	5,328	5,150	4,967	4,672	4,744	4,687	4,326
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	More than one race	92	157	211	207	264	280	251	262	273	272
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,059	1,020	957	861	734	750	604	529	558	492
Non-science and engineering	Arts and music	Arts and music	Female	Temporary resident	NA	1,598	1,793	1,870	2,195	2,376	2,684	2,726	2,929	2,807	2,714
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	431	477	489	558	552	594	569	627	670	676
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	25	23	25	20	34	30	34	22	20	33
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Asian	259	281	300	281	300	294	284	321	247	296
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Black or African American	328	324	368	417	460	514	518	490	455	477
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	16	12	11	16	12	14	9	11	6
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	White	4,250	4,464	4,507	4,484	4,282	4,067	3,953	3,853	3,642	3,439
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	More than one race	68	108	157	185	184	217	215	180	212	246
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	724	721	763	684	583	575	504	399	345	345
Non-science and engineering	Arts and music	Arts and music	Male	Temporary resident	NA	878	996	1,089	1,162	1,300	1,437	1,545	1,540	1,531	1,407
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5,946	6,263	6,435	6,661	7,021	7,363	7,854	8,488	9,175	9,816
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	414	397	378	389	388	362	378	358	387	441
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Asian	5,630	5,925	5,495	5,409	5,409	5,459	5,688	6,018	6,462	6,759
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Black or African American	14,720	15,494	15,781	15,382	14,657	14,571	14,580	14,427	14,798	14,343
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	200	227	242	262	245	228	224	214	203	263
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	White	38,740	38,277	37,706	37,327	35,847	35,986	36,812	38,720	40,251	41,743
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	More than one race	638	970	1,096	1,288	1,456	1,626	1,741	1,957	2,118	2,286

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10,097	10,071	8,197	7,824	7,384	6,913	6,159	6,149	6,252	6,007
Non-science and engineering	Business and management	Business and management	Female	Temporary resident	NA	10,818	11,797	12,863	14,814	15,240	15,888	16,141	16,694	16,526	16,174
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5,876	6,283	6,328	6,767	6,734	7,223	7,587	7,794	8,431	8,729
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	383	371	395	341	330	340	296	325	290	333
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Asian	7,283	7,705	7,233	6,954	6,533	6,589	6,553	6,801	6,671	6,971
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Black or African American	8,415	8,927	9,410	9,144	8,808	9,087	8,909	9,092	9,032	8,661
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	211	242	268	266	224	224	209	205	195	208
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	White	52,716	53,293	51,916	51,094	49,599	49,169	49,487	49,774	50,550	50,098
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	More than one race	779	962	1,209	1,265	1,534	1,670	1,690	1,792	2,023	2,164
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	12,179	11,946	10,265	9,763	9,122	8,393	7,107	6,875	7,159	6,521
Non-science and engineering	Business and management	Business and management	Male	Temporary resident	NA	14,728	14,507	15,619	16,527	16,636	17,704	17,661	17,602	17,492	16,909
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	785	893	882	874	888	940	986	1,106	1,206	1,243
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	54	51	53	50	51	41	51	37	35	45
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Asian	453	471	436	432	378	353	373	338	388	400
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Black or African American	906	961	894	980	1,035	1,050	1,142	1,233	1,198	1,323
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	21	15	16	10	14	8	11	10	10
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	White	8,291	8,202	7,852	7,167	6,836	6,454	6,611	6,633	6,867	6,870
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	More than one race	111	198	249	286	279	331	337	359	359	397
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	967	1,001	901	824	658	665	685	683	664	573
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	Temporary resident	NA	1,007	1,108	1,128	1,348	1,495	1,518	1,538	1,626	1,579	1,528

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	227	288	271	286	339	292	334	387	407	405
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	24	17	8	15	14	8	12	15	13	13
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Asian	138	133	130	109	105	100	99	108	112	124
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Black or African American	244	255	261	312	270	350	361	348	375	396
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	5	6	13	7	9	8	4	8	3
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	White	2,691	2,782	2,623	2,453	2,345	2,266	2,176	2,163	2,245	2,145
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	More than one race	37	61	90	79	75	91	104	94	104	116
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	397	383	289	266	267	224	246	243	261	189
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	Temporary resident	NA	349	373	414	459	571	534	562	556	539	492
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	87	95	84	93	99	88	77	81	86	106
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	7	4	7	7	1	8	5	5	5	6
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Asian	63	44	55	65	49	67	52	44	52	66
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Black or African American	104	109	82	69	78	80	63	73	43	62
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	2	1	1	3	0	1	2	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	White	871	909	795	786	711	776	745	723	713	765
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	More than one race	3	9	11	8	16	17	19	19	20	20
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	98	106	63	50	64	49	41	40	49	58
Non-science and engineering	Education	Mathematics education	Female	Temporary resident	NA	41	26	21	21	24	21	17	20	22	10
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	49	58	52	57	63	54	52	51	68	48
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	3	1	3	4	2	1	0	3	0

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Asian	30	35	35	32	26	33	19	36	31	29
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Black or African American	49	51	44	48	33	34	27	20	30	25
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	1	0	2	1	2	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	White	379	422	356	337	297	338	306	277	275	239
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	More than one race	4	6	4	4	7	10	7	14	8	8
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	57	57	45	44	22	31	19	22	18	19
Non-science and engineering	Education	Mathematics education	Male	Temporary resident	NA	18	14	14	7	14	9	9	10	6	12
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10,161	10,562	10,488	10,615	10,997	11,505	11,996	13,070	13,747	14,645
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	745	637	674	570	542	604	508	508	533	522
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Asian	3,256	3,356	3,285	3,193	3,104	3,148	3,185	3,471	3,455	3,592
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Black or African American	13,977	14,014	13,648	13,268	12,361	12,016	11,885	11,963	12,132	12,098
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	257	298	299	297	240	230	233	230	211	289
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	White	96,471	92,043	86,209	79,476	74,908	73,094	74,416	75,021	75,393	75,438
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	More than one race	1,048	1,517	1,600	1,762	1,922	2,145	2,288	2,394	2,526	2,932
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	15,248	13,084	9,779	8,566	8,267	8,763	7,909	7,068	6,819	6,660
Non-science and engineering	Education	Non-science education	Female	Temporary resident	NA	3,677	3,504	3,133	3,451	3,508	3,584	3,496	3,357	3,076	3,021
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,931	2,977	3,111	3,038	3,225	3,447	3,593	3,740	3,938	4,016
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	238	206	196	199	189	200	163	149	186	161
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Asian	947	951	910	911	968	916	908	903	1,028	1,059
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Black or African American	3,866	3,877	3,928	3,854	3,779	3,736	3,785	3,977	3,803	3,858

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	89	88	110	109	94	83	65	81	86	89
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	White	28,948	28,657	26,593	25,272	23,715	23,479	23,234	23,067	22,247	21,846
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	More than one race	322	458	544	580	608	716	748	807	869	918
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4,926	4,550	3,338	2,974	2,807	2,830	2,544	2,352	2,193	2,104
Non-science and engineering	Education	Non-science education	Male	Temporary resident	NA	1,369	1,232	1,156	1,358	1,197	1,211	1,226	1,176	1,106	1,090
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	82	74	60	74	63	85	59	78	70	66
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	3	11	9	10	5	4	3	2	2
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Asian	27	40	37	44	32	42	58	40	37	43
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Black or African American	68	41	46	57	37	46	29	56	49	54
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	2	4	0	2	0	2
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	White	668	652	688	668	578	691	602	702	642	659
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	More than one race	11	11	14	17	10	26	14	27	22	20
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	86	78	59	41	46	57	48	45	33	37
Non-science and engineering	Education	Science education	Female	Temporary resident	NA	29	27	33	17	20	19	17	16	11	17
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	16	28	32	32	24	30	26	29	42	31
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	3	1	0	2	2	2	2	5
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Asian	17	21	16	18	21	28	18	16	21	30
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Black or African American	23	15	22	28	18	13	20	12	12	26
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	2
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	White	373	386	363	382	325	327	373	362	335	373

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	More than one race	7	8	6	10	5	15	8	11	8	6
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	49	48	38	41	31	30	24	21	14	26
Non-science and engineering	Education	Science education	Male	Temporary resident	NA	15	19	19	11	7	9	6	9	10	8
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	9	7	9	5	9	6	4	11	19
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	2	0	0	0	0	2	0	2
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Asian	4	2	1	4	1	3	0	3	0	2
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Black or African American	18	10	17	5	6	7	8	2	8	21
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	1
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	White	120	105	87	82	61	66	64	70	72	113
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	More than one race	4	2	2	1	1	0	4	2	4	3
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	10	19	8	5	6	14	6	11	9
Non-science and engineering	Education	Social science education	Female	Temporary resident	NA	1	0	0	0	2	1	1	0	1	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	4	2	6	4	6	9	11	8	11
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	1	0	2
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Asian	3	2	1	1	1	0	1	3	1	2
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Black or African American	9	4	6	0	6	5	4	2	2	11
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	0	0
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	White	100	108	86	83	98	76	62	76	91	102
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	More than one race	1	1	0	4	2	1	3	1	5	1
Non-science and engineering	Education	Social science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	14	16	5	10	17	24	18	9	12



Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Social science education	Male	Temporary resident	NA	1	1	1	1	0	1	0	0	1	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	60	63	59	65	66	59	72	61	76	55
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	13	11	13	8	8	6	6	4	8	3
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Asian	32	27	18	27	20	19	22	19	25	14
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Black or African American	187	181	159	168	180	143	159	112	134	69
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	3	3	3	1	3	4	2	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	White	1,215	1,044	956	795	710	646	702	636	735	535
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	More than one race	8	14	12	15	15	24	28	25	29	13
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	146	133	78	79	58	66	62	19	75	30
Non-science and engineering	Education	Other science/ technical education	Female	Temporary resident	NA	38	36	41	69	56	35	34	26	15	23
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	28	39	22	24	27	25	35	27	35	24
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	0	3	5	3	4	3	2	4
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Asian	13	16	8	10	6	6	10	9	8	11
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Black or African American	64	49	52	47	46	54	47	34	40	34
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	2	1	0	1	0	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	White	648	559	456	401	371	295	370	290	290	253
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	More than one race	5	7	9	9	7	3	15	10	10	9
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	61	43	35	23	28	34	17	13	15	15
Non-science and engineering	Education	Other science/ technical education	Male	Temporary resident	NA	23	20	12	24	23	21	51	36	29	17
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	254	217	264	286	277	245	266	320	327	352

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	23	18	22	16	19	12	22	11	14	5
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Asian	148	142	128	117	96	113	89	90	92	99
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Black or African American	216	237	195	190	169	168	189	236	261	200
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	2	2	7	3	2	3	6	7	9
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	White	3,165	2,980	2,962	2,804	2,389	2,283	2,195	2,326	2,208	2,136
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	More than one race	60	68	98	102	87	102	99	133	95	129
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	347	381	285	342	352	427	372	311	193	160
Non-science and engineering	Humanities	English and literature	Female	Temporary resident	NA	248	215	252	190	206	238	194	216	199	174
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	118	131	117	147	133	142	145	137	148	162
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	20	12	6	7	4	6	5	4	9	6
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Asian	46	41	39	49	34	33	34	35	39	29
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Black or African American	46	64	68	72	65	62	56	69	80	79
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	4	4	4	1	2	1	0	4	2
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	White	1,578	1,584	1,413	1,320	1,224	1,090	1,098	1,037	1,026	974
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	More than one race	31	26	46	35	42	45	43	43	40	31
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	165	173	179	143	176	198	158	111	100	92
Non-science and engineering	Humanities	English and literature	Male	Temporary resident	NA	81	91	107	89	94	95	89	89	84	76
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	345	389	377	321	342	316	295	346	325	330
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	3	5	4	1	4	4	2	1	3
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Asian	83	59	62	48	52	56	44	61	34	37

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Black or African American	36	43	34	40	22	38	28	27	38	36
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	3	8	0	3	0	3	2	3
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	White	954	984	886	813	738	642	635	617	558	507
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	More than one race	16	24	21	37	26	31	37	27	28	38
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	119	111	93	96	103	75	66	78	79	55
Non-science and engineering	Humanities	Foreign languages	Female	Temporary resident	NA	340	347	383	351	392	434	429	439	384	327
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	152	155	148	152	138	124	132	131	117	143
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	1	2	2	3	1	0	3	0	0
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Asian	23	22	18	18	23	15	9	16	16	15
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Black or African American	17	31	21	30	26	15	22	20	17	19
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	6	2	4	0	2	0	1	1	1
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	White	519	492	455	430	439	411	374	367	350	334
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	More than one race	9	13	14	16	19	16	23	6	13	15
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	70	66	50	53	54	39	44	46	43	31
Non-science and engineering	Humanities	Foreign languages	Male	Temporary resident	NA	168	161	165	174	197	193	221	199	220	202
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	99	100	106	120	99	112	125	122	141	132
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	7	13	13	12	11	5	5	7	8	12
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Asian	42	37	31	31	27	26	30	26	28	37
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Black or African American	57	78	58	80	66	70	61	79	83	75
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	4	2	2	2	4	0	0	1	1

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	White	1,258	1,299	1,242	1,212	1,110	1,062	1,070	1,038	1,025	994
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	More than one race	20	17	31	45	45	46	45	41	45	44
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	125	146	129	92	101	115	98	81	82	76
Non-science and engineering	Humanities	History	Female	Temporary resident	NA	51	76	61	58	58	61	65	60	84	59
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	116	133	131	170	133	144	131	141	156	139
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	15	10	12	14	11	8	6	3	9	9
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Asian	30	29	28	37	30	25	28	22	30	16
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Black or African American	54	50	59	43	62	64	47	53	61	52
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	1	3	3	4	1	3	1	4
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	White	1,706	1,688	1,690	1,666	1,514	1,409	1,399	1,303	1,299	1,276
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	More than one race	22	35	41	45	39	40	46	34	44	40
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	177	195	221	125	159	132	128	117	118	81
Non-science and engineering	Humanities	History	Male	Temporary resident	NA	57	64	79	74	69	61	76	60	82	64
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	21	25	26	14	23	26	24	30	34
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	1	1	0	0	0	2	2	0
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Asian	9	15	10	17	8	9	8	11	12	19
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Black or African American	9	18	8	16	15	9	12	12	6	15
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	1
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	White	174	165	141	176	167	138	159	133	134	152
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	More than one race	1	8	5	8	6	13	9	8	11	7

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	28	35	21	23	19	24	13	20	16	10
Non-science and engineering	Humanities	Other humanities	Female	Temporary resident	NA	23	34	28	33	45	37	33	27	40	42
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31	28	48	52	43	50	68	61	60	63
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	2	6	1	3	3	0	1	2	0
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Asian	16	25	23	26	15	16	26	20	23	36
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Black or African American	22	15	6	13	19	15	15	30	19	13
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	1	2	1	1	0	1	0	0
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	White	487	511	545	530	503	455	413	402	396	361
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	More than one race	11	11	13	18	9	14	16	14	22	27
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	88	61	65	58	62	47	44	41	43	34
Non-science and engineering	Humanities	Other humanities	Male	Temporary resident	NA	54	57	44	72	63	68	77	61	79	90
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	77	106	126	129	112	131	164	194	201	222
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	8	9	9	6	5	8	5	9	6
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Asian	51	58	88	72	103	134	101	154	185	228
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Black or African American	99	123	158	168	199	196	218	206	218	224
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	1	0	6	4	3	1	0	4	3
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	White	680	806	841	808	776	846	929	940	1,055	1,124
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	More than one race	12	26	44	39	41	47	65	60	78	77
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	115	135	108	98	103	110	110	114	87	104
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	Temporary resident	NA	90	110	163	207	258	310	434	541	712	795

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	43	52	78	77	71	69	108	123	147	136
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	6	6	5	5	3	7	6	6	1
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Asian	28	42	44	49	63	75	104	113	141	160
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Black or African American	62	59	77	79	86	97	100	103	127	136
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	1	1	1	1	0	1	2	2
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	White	396	455	498	534	574	627	681	670	846	884
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	More than one race	8	12	17	18	20	21	42	40	56	68
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	64	69	79	72	76	66	65	49	78	75
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	Temporary resident	NA	101	103	140	167	191	322	441	546	659	681
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	106	102	130	167	145	198	228	263	298	390
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	9	12	11	17	23	25	26	46	80	75
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Asian	117	52	90	111	105	95	142	138	153	182
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Black or African American	157	198	227	272	287	273	364	372	433	480
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	4	2	3	3	2	3	7	6
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	White	696	648	703	749	696	800	809	838	990	1,213
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	More than one race	20	21	37	33	27	30	36	62	66	87
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	510	540	417	423	454	404	362	447	519	493
Non-science and engineering	Law	Law	Female	Temporary resident	NA	1,555	1,742	1,966	2,231	2,427	2,496	2,733	2,819	2,867	2,927
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	80	77	97	128	145	156	164	178	191	251
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	9	5	6	18	14	21	17	25	30

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Asian	127	79	73	97	70	80	105	97	114	122
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Black or African American	94	99	95	116	141	142	172	196	181	242
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	2	1	1	2	4	3	4	3	5
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	White	750	633	734	779	732	756	765	832	794	898
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	More than one race	9	8	17	16	22	23	29	41	39	52
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	509	576	405	407	426	407	466	443	477	383
Non-science and engineering	Law	Law	Male	Temporary resident	NA	1,459	1,711	1,887	2,013	2,132	2,240	2,184	2,288	2,157	2,087
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	757	839	969	1,065	1,083	1,309	1,538	1,626	1,864	1,990
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	68	67	79	62	61	74	70	67	91	96
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Asian	1,254	1,335	1,386	1,404	1,479	1,552	1,721	1,755	2,083	2,028
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Black or African American	1,594	1,786	1,959	2,186	2,136	2,356	2,557	2,603	2,607	2,836
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	28	54	74	36	25	36	16	31	25	40
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	White	6,591	6,911	6,953	7,569	7,713	7,977	8,506	8,731	9,104	10,260
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	More than one race	92	200	286	295	354	438	484	468	538	647
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,107	1,101	1,107	1,117	1,128	1,162	1,051	1,171	1,303	1,442
Non-science and engineering	Life sciences	Medical sciences	Female	Temporary resident	NA	1,030	1,161	1,266	1,295	1,321	1,501	1,534	1,818	1,613	1,554
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	281	266	310	368	379	435	464	547	568	616
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	18	14	26	21	26	19	17	15	13	32
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Asian	518	531	527	597	582	663	693	762	798	745
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Black or African American	349	388	417	486	542	554	572	599	635	641

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	6	17	21	11	10	11	7	11	9	12
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	White	2,031	2,237	2,112	2,274	2,334	2,356	2,384	2,594	2,664	2,666
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	More than one race	43	58	71	86	106	124	134	143	174	155
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	367	304	335	328	418	375	364	446	432	393
Non-science and engineering	Life sciences	Medical sciences	Male	Temporary resident	NA	837	810	890	909	868	963	956	912	865	852
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,019	2,336	2,527	3,123	3,301	3,962	4,706	5,366	6,236	7,003
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	196	209	214	223	226	240	269	299	313	320
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Asian	2,129	2,463	2,583	3,033	3,441	3,699	4,143	4,574	4,818	4,905
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Black or African American	3,654	4,267	5,244	5,608	6,219	6,853	7,445	7,869	8,442	8,503
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	69	89	114	132	131	152	162	211	195	160
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	White	26,107	28,866	31,586	33,049	35,244	37,412	39,422	41,558	42,836	42,875
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	More than one race	246	404	553	787	895	1,115	1,246	1,379	1,518	1,507
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3,299	3,608	3,438	3,573	3,660	3,936	4,069	4,048	4,309	4,404
Non-science and engineering	Life sciences	Other life sciences	Female	Temporary resident	NA	1,037	1,034	1,052	1,106	1,065	1,134	1,239	1,279	1,092	1,008
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	429	513	648	761	851	998	1,179	1,400	1,593	1,720
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	46	42	52	62	49	64	60	57	51	56
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Asian	648	727	803	896	945	1,037	1,012	1,199	1,296	1,318
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Black or African American	591	749	894	970	1,032	1,166	1,287	1,300	1,390	1,470
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	11	22	31	54	37	49	51	47	56	61
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	White	4,469	5,081	5,623	5,765	6,053	6,591	6,964	6,900	7,100	7,090



Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	More than one race	53	95	120	151	189	207	277	260	304	331
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	732	780	743	699	745	819	848	808	896	852
Non-science and engineering	Life sciences	Other life sciences	Male	Temporary resident	NA	436	446	421	412	426	521	527	548	436	388
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	333	380	389	378	420	407	470	462	447	477
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	35	46	48	29	27	34	30	53	29	34
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Asian	225	214	194	160	202	157	208	206	200	198
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Black or African American	490	613	601	567	566	563	531	595	594	569
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	6	11	10	9	9	7	6	6	9
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	White	3,999	4,320	3,970	3,681	3,590	3,432	3,310	3,339	3,273	3,118
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	More than one race	81	119	154	137	170	166	162	193	178	205
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	936	909	787	642	521	623	582	561	453	376
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	Temporary resident	NA	346	379	459	539	565	412	379	460	428	473
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	280	346	327	341	320	352	288	354	341	340
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	30	29	32	23	30	30	31	22	25	18
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Asian	195	181	154	132	129	108	141	127	134	124
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Black or African American	295	369	375	394	361	344	372	371	320	364
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	8	9	10	7	6	6	2	6	4
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	White	3,398	3,853	3,179	3,055	2,837	2,751	2,488	2,465	2,273	2,184
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	More than one race	46	69	95	86	119	123	117	110	100	89
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	745	771	800	689	524	408	392	364	310	219

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	Temporary resident	NA	380	367	376	403	382	381	332	360	389	321
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	173	185	216	228	251	268	233	255	317	285
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	15	15	24	12	25	18	18	18	17
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Asian	179	163	189	190	203	212	230	241	229	231
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Black or African American	848	953	993	1,089	1,021	1,120	1,015	986	932	876
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	5	6	9	12	4	3	5	8	8	10
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	White	2,809	2,977	2,961	2,974	2,854	2,759	2,672	2,585	2,615	2,650
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	More than one race	47	66	67	76	84	80	88	113	107	113
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	373	360	293	298	274	321	333	373	347	339
Non-science and engineering	Religion and theology	Religion and theology	Female	Temporary resident	NA	273	271	221	235	253	278	298	318	349	347
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	329	328	408	457	486	495	462	527	567	572
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	35	26	30	31	26	38	32	28	25	31
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Asian	387	410	445	449	466	463	425	501	401	418
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Black or African American	833	971	992	1,082	1,060	1,127	1,003	1,034	1,002	917
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	24	19	25	18	19	15	18	19	20	21
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	White	5,767	5,636	6,369	6,125	6,051	5,869	5,645	5,604	5,467	5,193
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	More than one race	44	67	87	92	125	148	141	153	172	160
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	621	645	707	615	672	688	633	640	580	657
Non-science and engineering	Religion and theology	Religion and theology	Male	Temporary resident	NA	711	685	683	693	771	746	721	793	766	768
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	53	55	44	38	70	43	52	70	62	62

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	4	5	3	6	2	7	2	6	4
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Asian	28	27	44	28	31	43	40	42	36	43
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	78	84	91	82	78	76	65	67	79	69
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	1	3	2	2
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	White	264	244	268	293	345	286	297	293	259	277
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	More than one race	1	9	9	12	11	16	17	13	19	16
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	48	38	45	45	30	30	40	18	31	43
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	Temporary resident	NA	159	170	182	230	282	393	494	496	435	417
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	86	86	74	101	88	93	94	116	102	127
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	13	10	10	11	14	12	11	6	10	8
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Asian	61	45	48	31	59	53	45	49	73	64
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	131	116	146	130	150	149	153	141	129	127
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	1	2	1	0	1	1	3
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	White	771	756	722	755	773	781	807	742	778	738
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	More than one race	10	12	15	25	20	26	25	23	32	33
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	140	120	115	98	79	56	79	66	63	68
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	Temporary resident	NA	387	381	427	417	603	857	1,421	1,215	912	722
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	513	611	732	866	1,046	1,078	1,180	1,398	1,576	1,806
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	69	57	58	63	72	81	78	75	79	76
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Asian	430	472	543	593	683	713	770	959	1,055	1,184

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Black or African American	1,061	1,151	1,397	1,581	1,597	1,531	2,058	2,147	2,106	2,129
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	7	29	23	44	17	28	28	32	21	29
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	White	5,856	6,712	7,310	7,885	8,362	8,919	9,642	9,858	10,553	10,789
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	More than one race	49	95	122	233	236	300	346	404	469	495
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	975	984	1,171	1,234	1,108	979	1,318	1,347	1,425	1,468
Non-science and engineering	Science and engineering technologies	Health technologies	Female	Temporary resident	NA	180	230	211	225	275	268	354	382	367	421
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	171	184	243	244	283	330	364	426	428	543
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	17	11	15	20	39	15	26	24	18	19
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Asian	156	191	188	180	240	279	292	347	367	461
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Black or African American	208	255	318	393	356	407	509	486	547	543
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	7	15	7	10	7	5	5	15	10
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	White	1,601	1,908	2,130	2,220	2,459	2,686	2,975	3,024	3,023	3,227
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	More than one race	12	32	31	62	75	91	108	117	141	148
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	279	279	307	362	328	332	445	444	417	453
Non-science and engineering	Science and engineering technologies	Health technologies	Male	Temporary resident	NA	86	117	91	98	87	116	146	145	179	153
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	1	0	0	0	7	3	4	3	4
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	1
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Asian	2	2	1	2	1	8	4	5	6	3
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Black or African American	0	2	0	0	3	4	0	3	3	4
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	0	0	1	0	0	0	0

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	White	5	13	12	10	15	26	12	29	20	29
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	0	0	0	1	0
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	2	0	0	2	1	2	1	2
Non-science and engineering	Science and engineering technologies	Science technologies	Female	Temporary resident	NA	2	2	5	3	4	3	2	0	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	0	0	0	1	3	3	1	4	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	2	0	0	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Asian	4	2	0	2	1	4	1	5	2	3
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Black or African American	0	0	1	2	2	3	0	1	1	3
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	White	10	8	14	13	18	18	17	14	10	15
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	1	1	0	1	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	0	1	0	1	0	2	1	2	1
Non-science and engineering	Science and engineering technologies	Science technologies	Male	Temporary resident	NA	3	9	3	1	4	1	3	0	0	0
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	1	2	0	0	1	5	5	10	23
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	2	1	0
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Asian	0	0	0	0	1	1	0	4	5	8
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	0	0	0	0	3	5	19	16	31	30
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	White	0	4	7	5	13	23	25	39	82	150
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	More than one race	0	1	2	0	0	2	3	2	6	8
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	2	4	1	9	2	7	17	10	22

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Female	Temporary resident	NA	0	0	0	2	1	2	3	5	3	10
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	2	0	1	2	3	7	21	36	47
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	0	3	3
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Asian	0	0	1	0	0	4	4	9	15	23
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	0	1	0	0	3	15	36	50	52	70
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	0	1	1	0
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	White	0	16	12	15	26	62	104	136	243	344
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	2	0	5	5	23
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	2	4	11	20	38	23	42	51
Non-science and engineering	Science and engineering technologies	Other science and engineering technologies	Male	Temporary resident	NA	0	1	1	0	2	10	23	20	27	27
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2,109	2,236	2,583	2,798	3,268	3,606	4,008	4,330	4,896	5,269
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	170	133	133	140	140	154	160	152	157	166
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Asian	621	633	673	623	659	691	727	806	774	904
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Black or African American	3,083	3,300	3,521	3,756	3,934	4,298	4,591	4,777	5,158	5,471
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	41	43	41	33	45	50	49	56	50
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	White	11,434	12,219	12,403	12,999	13,566	13,740	14,089	14,554	15,617	15,689
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	More than one race	336	382	488	562	556	680	746	784	842	952
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1,296	1,133	1,158	1,199	1,252	1,044	895	907	937	1,090
Non-science and engineering	Social service professions	Social service professions	Female	Temporary resident	NA	347	272	352	414	352	362	426	380	418	390
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	370	398	432	453	574	636	642	684	720	762

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	25	37	20	19	27	27	17	25	39	26
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Asian	101	121	131	131	131	169	163	153	157	185
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Black or African American	493	498	561	553	631	709	721	710	762	747
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	11	5	9	7	7	17	18	12	9	10
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	White	1,772	1,847	1,871	1,999	2,149	2,149	2,192	2,288	2,174	2,341
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	More than one race	64	52	80	96	102	116	109	123	130	141
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	201	185	211	181	228	158	176	180	175	168
Non-science and engineering	Social service professions	Social service professions	Male	Temporary resident	NA	78	51	70	80	109	83	91	88	83	80
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	846	944	1,143	1,146	1,169	1,278	1,399	1,372	1,388	1,556
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	54	62	55	62	60	65	55	51	54	54
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Asian	243	250	301	279	308	289	324	306	330	361
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Black or African American	1,542	1,658	1,795	1,915	2,042	2,161	2,213	2,152	2,085	1,992
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	16	22	30	32	35	27	49	24	28	18
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	White	4,814	5,219	5,311	5,238	5,223	5,180	5,233	5,116	5,307	5,466
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	More than one race	63	125	150	226	206	259	293	320	332	361
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	978	1,174	1,016	824	933	771	712	636	677	652
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	Temporary resident	NA	246	282	271	328	307	335	336	327	315	306
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	373	487	479	534	553	636	720	694	819	811
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	32	38	44	41	31	40	34	36	37	39
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Asian	90	93	128	136	134	160	149	172	173	200

Table 2-3

## Master's degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Black or African American	587	629	765	792	918	893	929	958	914	888
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	9	18	22	15	19	25	27	15	13
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	White	2,566	2,821	3,160	3,303	3,311	3,414	3,509	3,525	3,402	3,500
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	More than one race	24	42	93	101	90	108	154	163	143	147
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	513	677	516	560	560	535	493	475	497	449
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	Temporary resident	NA	115	112	147	157	130	164	185	187	198	187

NA = not available.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Race and ethnicity data are available only for U.S. citizens and permanent residents; temporary visa holders include all racial or ethnic groups. Data are based on degree-granting, primarily postsecondary institutions eligible to participate in Title IV federal financial aid programs.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022, Table Builder) of the National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, provisional release data.



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	2	1	2	1	2	5	4	2	3
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Asian	1	4	2	0	2	2	5	7	0	2
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Black or African American	0	1	2	0	0	4	0	0	2	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	White	18	14	30	24	23	20	36	30	25	17
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	More than one race	1	0	0	0	0	0	0	0	1	1
Science and engineering	Geosciences	Atmospheric sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	1	1	1	3	4	2	2	3	4
Science and engineering	Geosciences	Atmospheric sciences	Female	Temporary resident	NA	14	26	22	14	26	19	20	23	28	20
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	0	1	1	1	6	2	5	5	2
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Asian	5	1	0	3	4	3	4	2	2	0
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Black or African American	1	2	2	0	4	2	1	2	1	1
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	White	49	47	45	53	59	53	46	48	47	63
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	More than one race	0	1	1	0	0	0	2	1	1	1
Science and engineering	Geosciences	Atmospheric sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	1	6	1	2	0	3	2	5	2
Science and engineering	Geosciences	Atmospheric sciences	Male	Temporary resident	NA	23	24	24	27	21	27	27	48	32	40
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	6	10	4	14	9	12	16	10	18
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	2	1	2	0	1	1
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Asian	6	9	4	9	6	7	7	3	4	9
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Black or African American	1	5	2	2	3	1	1	5	5	5
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	0	0	0

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	White	107	128	143	157	134	138	144	158	148	156
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	More than one race	0	1	2	5	4	7	2	11	7	10
Science and engineering	Geosciences	Earth sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	10	7	15	18	16	17	11	10	16
Science and engineering	Geosciences	Earth sciences	Female	Temporary resident	NA	55	56	64	69	67	73	69	79	76	70
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	5	9	9	11	7	11	12	16	16
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	4	0	1	3	0	0	3	1
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Asian	6	4	5	5	5	8	9	13	15	11
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Black or African American	2	5	3	7	3	3	6	5	3	2
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	White	151	146	159	165	168	187	196	174	194	200
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	More than one race	0	4	2	2	4	4	5	7	7	8
Science and engineering	Geosciences	Earth sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	18	15	13	15	17	20	15	18	19	15
Science and engineering	Geosciences	Earth sciences	Male	Temporary resident	NA	100	102	103	142	117	147	133	135	151	177
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	3	0	4	2	2	4	5	4	4
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	1	2	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Asian	1	0	1	3	0	4	2	1	2	6
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Black or African American	1	1	1	3	0	1	1	0	0	0
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	White	29	35	45	46	33	42	30	45	45	34
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	2	3	2	3	1
Science and engineering	Geosciences	Oceanography	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	3	5	0	6	3	2	1	3	2
Science and engineering	Geosciences	Oceanography	Female	Temporary resident	NA	8	13	23	14	14	15	14	8	18	9

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	2	3	1	2	1	4	0	2	4
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	0	0
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Asian	3	1	1	1	0	4	2	1	3	1
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Black or African American	0	1	1	0	1	0	2	1	1	1
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	White	31	34	28	38	27	40	34	22	33	20
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	1	1	2	0	1
Science and engineering	Geosciences	Oceanography	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	3	1	4	5	2	2	2	2	0
Science and engineering	Geosciences	Oceanography	Male	Temporary resident	NA	15	18	18	12	16	21	5	21	22	19
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	24	21	26	21	25	29	29	35	29	27
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	4	3	2	6	3	2	2	3	5
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Asian	16	21	13	19	17	31	22	25	30	23
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Black or African American	8	25	21	18	16	23	25	20	22	23
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	2	0	0
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	White	239	238	273	277	317	294	305	307	330	340
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	More than one race	3	0	3	4	9	9	14	7	11	12
Science and engineering	Life sciences	Agricultural sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	23	21	31	24	48	21	32	30	35	26
Science and engineering	Life sciences	Agricultural sciences	Female	Temporary resident	NA	174	210	200	228	226	218	247	211	256	225
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	21	20	19	28	22	29	25	22	32	22
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	5	1	3	2	3	1	3	5	3
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Asian	12	13	16	15	18	12	20	11	14	9

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Black or African American	13	13	12	14	15	15	18	22	15	18
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	1	0	0	0	0	0	1
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	White	270	281	313	300	356	339	306	318	335	281
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	More than one race	2	4	4	0	5	6	4	10	5	14
Science and engineering	Life sciences	Agricultural sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	23	28	34	29	31	35	22	27	26	20
Science and engineering	Life sciences	Agricultural sciences	Male	Temporary resident	NA	219	240	248	245	267	276	292	293	294	319
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	176	186	230	207	236	272	242	280	274	266
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	11	18	16	12	14	12	7	8	14	8
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Asian	326	403	386	374	396	351	378	352	389	337
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Black or African American	156	168	179	176	144	154	177	188	150	180
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	8	5	5	8	6	6	5	6	7	5
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	White	1,975	2,021	2,000	2,114	1,996	1,975	1,996	2,094	1,954	2,021
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	More than one race	24	36	38	49	58	71	104	92	111	125
Science and engineering	Life sciences	Biological sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	240	259	215	250	183	189	179	188	176	146
Science and engineering	Life sciences	Biological sciences	Female	Temporary resident	NA	1,071	1,056	1,098	1,185	1,146	1,106	1,092	1,100	1,007	1,076
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	148	143	163	172	189	182	198	192	252	224
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	14	15	9	4	10	12	16	2	7	6
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Asian	270	256	270	272	271	281	308	302	326	304
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Black or African American	93	99	105	95	75	91	101	99	93	85
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	4	5	2	4	2	5	6	1	5	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	White	1,812	1,838	1,860	1,953	1,890	1,906	1,955	1,963	1,926	1,848
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	More than one race	20	23	24	50	52	56	92	70	91	91
Science and engineering	Life sciences	Biological sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	236	230	208	217	198	177	166	192	156	135
Science and engineering	Life sciences	Biological sciences	Male	Temporary resident	NA	1,012	1,056	1,017	1,065	1,024	1,012	981	967	925	949
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	6	9	10	9	7	12	13	9	14
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	2	0	1	1	1	1	1
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Asian	34	37	29	34	32	25	25	34	42	35
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Black or African American	12	16	19	16	19	27	26	15	20	39
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	1
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	White	83	90	95	91	101	89	127	101	125	125
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	More than one race	1	0	1	1	3	4	2	7	5	13
Science and engineering	Math and computer sciences	Computer science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	17	14	28	33	25	19	20	21	24	25
Science and engineering	Math and computer sciences	Computer science	Female	Temporary resident	NA	163	197	170	216	250	217	223	234	271	287
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19	20	31	21	33	29	33	35	27	32
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	0	5	4	0	1	2	1	1
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Asian	94	92	99	76	80	63	75	74	97	94
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Black or African American	19	23	33	36	38	42	36	39	44	48
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	0	0	0	1	0	0	0	2
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	White	431	436	436	463	434	427	402	393	408	453
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	More than one race	2	3	2	6	13	15	12	17	23	26

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Math and computer sciences	Computer science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	55	80	67	81	73	67	72	62	64	63
Science and engineering	Math and computer sciences	Computer science	Male	Temporary resident	NA	627	674	790	844	837	903	866	926	1,013	1,116
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	9	10	6	7	7	9	10	15	18	11
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	1	0	1	0	0	0	1
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Asian	38	22	34	32	31	33	46	34	38	42
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Black or African American	9	10	6	9	6	11	4	12	13	10
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	White	155	163	170	179	161	157	162	153	158	159
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	More than one race	1	4	3	4	3	12	6	10	11	6
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	18	15	22	22	19	29	25	28	26	15
Science and engineering	Math and computer sciences	Mathematics and statistics	Female	Temporary resident	NA	224	247	289	285	276	276	269	311	331	342
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	20	29	28	28	28	53	36	44	42	45
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	5	0	2	0	1	3	3	1	1	0
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Asian	51	48	68	47	49	68	81	77	66	72
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Black or African American	14	11	21	18	14	25	17	19	15	20
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	1	2	0	0	2	1	1
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	White	472	473	482	529	515	499	521	535	519	449
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	More than one race	1	5	8	9	5	23	21	19	28	24
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	55	60	61	62	59	59	50	61	52	60
Science and engineering	Math and computer sciences	Mathematics and statistics	Male	Temporary resident	NA	517	571	623	631	626	597	674	692	690	767
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	2	2	0	1	1	2	5	2	5
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	0	0	0	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Asian	2	4	3	3	3	7	4	5	5	8
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Black or African American	1	0	0	0	1	0	0	0	0	0
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	White	29	35	36	35	31	35	43	47	35	40
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	More than one race	2	0	0	2	0	2	0	2	3	0
Science and engineering	Physical sciences	Astronomy	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	1	3	5	6	2	3	5	2	2
Science and engineering	Physical sciences	Astronomy	Female	Temporary resident	NA	17	15	18	17	10	12	21	18	26	10
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	3	1	3	8	5	5	6	5	5
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	1	1	0	0	0	0	0	0
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Asian	2	3	3	4	6	5	6	7	6	1
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	1	0	1	1	1	0	1
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	White	55	70	62	65	49	57	72	77	66	65
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	More than one race	0	0	0	1	3	0	3	1	2	1
Science and engineering	Physical sciences	Astronomy	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	5	8	11	10	9	1	7	5	6
Science and engineering	Physical sciences	Astronomy	Male	Temporary resident	NA	41	31	36	31	25	33	35	30	28	25
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	36	48	39	49	53	50	46	66	52
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	5	2	1	5	3	1	3	2	0	1
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Asian	68	85	87	79	91	73	74	99	96	69
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Black or African American	40	32	43	45	46	40	37	41	31	15
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	0	0	2	0	1	3	0	2
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	White	433	412	448	445	464	461	480	499	518	502

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	More than one race	3	3	12	8	9	22	20	17	30	40
Science and engineering	Physical sciences	Chemistry	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	71	59	41	59	58	40	48	35	41	36
Science and engineering	Physical sciences	Chemistry	Female	Temporary resident	NA	396	397	422	470	484	444	441	451	491	471
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	49	40	41	61	51	56	59	69	83	73
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	3	7	2	3	4	5	3	1
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Asian	67	80	68	70	83	88	109	109	103	97
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Black or African American	27	26	35	36	42	32	29	38	46	34
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	2	0	1	1	0	0	2	1	0
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	White	698	692	749	733	779	846	828	821	865	797
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	More than one race	11	12	12	16	23	18	25	24	41	36
Science and engineering	Physical sciences	Chemistry	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	84	99	65	99	84	73	71	63	44	48
Science and engineering	Physical sciences	Chemistry	Male	Temporary resident	NA	697	649	655	748	635	752	711	735	720	672
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	8	6	8	6	10	5	7	11	10	17
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	1	0	1	0	0	0	0
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Asian	17	23	15	21	17	20	19	18	27	25
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Black or African American	4	2	4	2	5	9	3	4	1	2
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	2	0	0	0	1	0	0
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	White	108	125	134	110	135	140	114	165	123	133
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	More than one race	2	2	2	2	1	8	6	6	6	3
Science and engineering	Physical sciences	Physics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	23	21	19	21	23	19	14	11	16	18
Science and engineering	Physical sciences	Physics	Female	Temporary resident	NA	139	170	153	166	176	152	157	186	195	163



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	29	45	33	42	34	38	50	42	40	43
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	0	2	2	5	0	1	2	2	2
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Asian	46	42	57	61	56	53	61	66	70	59
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Black or African American	13	19	11	19	13	15	16	8	8	17
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	0	0	2	1	0	1	1	0
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	White	573	609	587	585	639	648	645	608	649	646
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	More than one race	7	11	12	13	9	11	11	24	22	23
Science and engineering	Physical sciences	Physics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	93	79	86	64	79	73	57	58	67	47
Science and engineering	Physical sciences	Physics	Male	Temporary resident	NA	603	597	617	651	636	640	665	668	636	607
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	0	0	1	0	0	1	0
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	0	0	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Asian	2	0	1	1	0	1	2	0	1	2
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Black or African American	0	0	2	2	0	0	1	0	4	2
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	White	4	4	6	12	13	6	11	5	10	4
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	0	1	0	1	0	1
Science and engineering	Physical sciences	Other physical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	0	0	2	1	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Female	Temporary resident	NA	6	5	7	15	8	13	10	8	6	16
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	0	0	0	1	0	1	0	2	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Asian	0	0	2	1	0	3	1	0	0	1
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Black or African American	1	0	0	2	0	2	1	1	4	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	White	13	11	19	17	22	25	10	16	22	18
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	More than one race	1	0	0	0	1	0	0	1	1	0
Science and engineering	Physical sciences	Other physical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	1	1	2	3	3	5	2	0	0
Science and engineering	Physical sciences	Other physical sciences	Male	Temporary resident	NA	9	16	21	26	23	16	31	21	25	26
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	243	246	323	377	370	438	402	373	387	408
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	21	13	23	15	16	16	10	15	14	10
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Asian	143	174	151	174	197	177	165	178	184	178
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Black or African American	218	194	243	300	330	331	305	263	300	321
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	3	5	3	10	4	3	6	5
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	White	1,761	1,730	1,857	2,001	1,922	1,818	1,864	1,755	1,691	1,835
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	More than one race	29	32	36	56	59	72	89	86	108	101
Science and engineering	Psychology	Psychology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	262	233	303	263	258	267	238	245	205	207
Science and engineering	Psychology	Psychology	Female	Temporary resident	NA	185	186	179	170	188	164	191	199	191	144
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	92	96	85	106	118	152	128	129	140	110
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	8	8	5	5	6	4	3	3	7
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Asian	46	39	48	39	58	51	51	51	52	56
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Black or African American	57	44	56	62	84	75	83	69	72	99
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	0	0	0	1	2	0
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	White	710	705	776	798	739	748	783	771	758	740

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	More than one race	11	13	11	16	19	32	19	21	33	36
Science and engineering	Psychology	Psychology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	98	89	93	102	83	99	72	79	83	65
Science and engineering	Psychology	Psychology	Male	Temporary resident	NA	73	65	84	84	84	70	78	84	68	66
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	26	26	25	39	18	22	19	23	23	26
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	3	4	5	5	3	1	5	1	4
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Asian	15	16	26	25	12	13	10	18	15	15
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Black or African American	13	12	17	11	14	18	16	15	18	10
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	1	0	1	1
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	White	218	235	216	213	211	203	215	225	194	215
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	More than one race	2	6	3	7	6	3	10	13	19	14
Science and engineering	Social sciences	Anthropology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	31	32	40	32	42	31	39	35	26	21
Science and engineering	Social sciences	Anthropology	Female	Temporary resident	NA	49	44	58	46	45	50	53	50	48	44
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	14	10	11	12	15	18	13	8	18	12
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	3	2	2	3	3	3	1	1	0
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Asian	8	5	9	7	9	7	3	7	3	8
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Black or African American	5	2	3	10	3	3	14	4	5	5
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	1	0	0	0	0	1
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	White	147	124	133	117	120	138	121	107	136	109
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	More than one race	2	3	2	3	3	3	3	5	1	5
Science and engineering	Social sciences	Anthropology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	19	13	16	24	27	21	17	17	16	8
Science and engineering	Social sciences	Anthropology	Male	Temporary resident	NA	42	51	29	53	43	55	43	40	35	42

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	13	14	12	18	23	20	21	25	24
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	2	6	5	8	6	3	9	3	4
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Asian	13	17	11	14	5	7	13	16	14	16
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Black or African American	22	20	18	30	27	22	37	32	32	33
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	1	2	0
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	White	53	67	67	71	82	73	81	66	78	65
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	More than one race	2	3	2	6	4	6	7	9	7	8
Science and engineering	Social sciences	Area and ethnic studies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	17	8	10	18	17	9	10	14	13	5
Science and engineering	Social sciences	Area and ethnic studies	Female	Temporary resident	NA	20	31	14	31	22	27	34	32	43	38
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	8	10	11	8	11	13	11	14	9
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	4	4	1	2	1	1	3	0	1
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Asian	8	7	5	11	9	5	4	6	5	3
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Black or African American	8	16	20	12	12	17	12	17	20	29
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	1	1	1	0	1	1	0
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	White	60	39	62	51	56	58	55	50	49	45
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	More than one race	0	1	0	4	3	1	2	2	7	5
Science and engineering	Social sciences	Area and ethnic studies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	15	11	18	10	13	4	8	3	6
Science and engineering	Social sciences	Area and ethnic studies	Male	Temporary resident	NA	23	23	18	20	24	21	27	18	36	22
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	2	13	7	16	13	6	3	8	13
Science and engineering	Social sciences	Economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	0	0	0	0	1



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	History of science	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	0	0	3	0	0	0	0	1	0
Science and engineering	Social sciences	History of science	Female	Temporary resident	NA	0	3	5	3	6	3	4	1	8	3
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	1	0	1	0	0	0	0	0	1
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Asian	1	1	0	0	0	0	1	0	0	0
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Black or African American	0	0	0	0	0	0	0	1	1	1
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	White	14	8	10	10	9	7	8	4	8	11
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	0	1	0	1
Science and engineering	Social sciences	History of science	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	3	1	3	0	2	3	1	0	0
Science and engineering	Social sciences	History of science	Male	Temporary resident	NA	3	4	0	9	6	3	1	3	3	2
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	3	5	2	6	5	9	4	2
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	1	1	0	1	1	1	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Asian	12	14	9	6	7	8	15	7	11	11
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Black or African American	4	2	1	2	1	3	2	1	5	2
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	White	55	51	54	54	57	68	57	70	56	51
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	More than one race	0	1	1	1	3	4	3	2	7	1
Science and engineering	Social sciences	Linguistics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	11	8	10	12	12	8	5	8	7	2
Science and engineering	Social sciences	Linguistics	Female	Temporary resident	NA	57	56	61	65	66	61	49	65	64	50
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	2	2	2	2	7	4	3	3	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	1	1	1	1	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Asian	2	5	0	2	5	1	2	4	5	4
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Black or African American	1	1	1	2	2	0	0	0	0	3

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	White	49	48	41	46	53	38	41	48	46	60
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	More than one race	0	1	3	1	2	1	0	3	2	2
Science and engineering	Social sciences	Linguistics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	9	5	4	5	8	7	4	3	4	8
Science and engineering	Social sciences	Linguistics	Male	Temporary resident	NA	32	54	45	36	45	46	40	32	42	44
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	20	26	24	36	25	37	33	31	41	43
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	2	5	6	2	1	3	2	3
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Asian	34	32	42	27	33	45	42	41	35	38
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Black or African American	70	72	93	104	110	101	113	89	126	128
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	3	1	0	0	2	3	2	2
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	White	294	323	321	363	382	365	321	325	311	304
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	More than one race	4	5	10	6	8	8	11	16	16	14
Science and engineering	Social sciences	Political science and public administration	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	52	60	76	87	79	75	57	52	52	52
Science and engineering	Social sciences	Political science and public administration	Female	Temporary resident	NA	122	133	128	151	123	112	148	154	132	164
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	30	32	25	25	29	36	31	39	52	47
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	3	3	1	3	2	1	0	5
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Asian	24	25	28	24	26	22	29	31	28	26
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Black or African American	51	54	50	72	74	45	78	67	64	69
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	0	0	2	1	1	0	4	0
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	White	333	387	432	418	435	404	440	387	398	359

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	More than one race	5	2	5	4	11	4	13	14	7	13
Science and engineering	Social sciences	Political science and public administration	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	91	65	67	59	63	73	49	68	62	52
Science and engineering	Social sciences	Political science and public administration	Male	Temporary resident	NA	179	183	198	152	215	185	186	168	199	169
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	31	36	25	19	27	20	42	31	40	31
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	0	1	5	2	3	2	0	0	1
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Asian	29	21	17	28	28	19	21	35	22	21
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Black or African American	32	36	27	37	45	31	47	44	32	34
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	0	0	0	0	0	0	0	0
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	White	236	219	213	243	245	209	215	230	204	192
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	More than one race	1	3	4	7	8	6	8	12	17	7
Science and engineering	Social sciences	Sociology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	27	25	15	32	33	33	32	22	20	21
Science and engineering	Social sciences	Sociology	Female	Temporary resident	NA	58	62	65	64	53	56	56	74	64	57
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	18	17	15	15	27	20	25	27	18	23
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	0	1	1	3	2	3	2	0
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Asian	6	10	5	9	7	19	11	9	5	13
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Black or African American	15	12	24	18	20	20	19	26	20	19
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	White	139	136	147	148	156	153	140	137	120	117
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	More than one race	2	4	5	1	3	3	8	6	6	7
Science and engineering	Social sciences	Sociology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	13	17	19	17	21	13	19	10	12	12
Science and engineering	Social sciences	Sociology	Male	Temporary resident	NA	58	37	44	48	57	50	50	41	50	60



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	12	14	10	14	15	20	10	19	19	20
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	1	0	1	1	2	2	3	1	2
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Asian	8	14	10	15	16	7	14	14	20	18
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Black or African American	19	16	8	13	18	13	15	19	24	26
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	0
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	White	140	162	160	173	195	151	163	148	175	158
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	More than one race	1	2	3	6	1	4	9	7	5	6
Science and engineering	Social sciences	Other social sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	25	10	19	27	29	17	14	21	24	17
Science and engineering	Social sciences	Other social sciences	Female	Temporary resident	NA	45	53	41	57	53	49	52	57	52	70
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	6	10	9	9	15	6	4	11	11
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	1	1	0	0	0	1	2	1
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Asian	3	5	1	8	6	3	13	8	5	7
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Black or African American	11	10	5	10	5	14	9	6	10	10
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	White	126	148	139	133	149	144	152	132	116	128
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	More than one race	0	1	1	0	3	1	2	2	1	4
Science and engineering	Social sciences	Other social sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	11	24	20	17	32	19	13	15	9	9
Science and engineering	Social sciences	Other social sciences	Male	Temporary resident	NA	68	66	65	60	64	71	76	64	63	77
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	1	3	4	2	5	1	1	1	1
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Asian	2	2	4	7	2	5	6	1	7	3
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Black or African American	0	2	0	1	2	1	1	4	1	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	White	10	17	20	22	21	17	18	20	18	18
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	More than one race	0	1	0	1	1	1	0	0	1	1
Science and engineering	Engineering	Aerospace engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	1	0	1	2	2	0	1	1	3
Science and engineering	Engineering	Aerospace engineering	Female	Temporary resident	NA	15	16	22	17	17	18	12	15	25	32
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	8	8	12	6	10	8	14	12	11
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	0	0	0	0	2	1
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Asian	14	13	12	11	10	15	20	12	15	19
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Black or African American	4	7	4	1	3	3	5	4	3	4
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	0	0
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	White	83	95	108	134	129	136	137	133	124	123
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	More than one race	2	5	3	2	4	3	5	4	3	2
Science and engineering	Engineering	Aerospace engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	10	7	10	12	10	13	3	9	4
Science and engineering	Engineering	Aerospace engineering	Male	Temporary resident	NA	92	96	119	111	99	106	116	135	140	140
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	12	9	10	9	12	16	8	10	12
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	1	0	1	0	4	0
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Asian	28	30	25	28	34	30	25	40	29	34
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Black or African American	7	5	5	7	4	9	7	1	12	7
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	White	90	77	77	81	101	96	91	97	114	89
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	More than one race	2	1	2	0	2	4	4	3	4	6
Science and engineering	Engineering	Chemical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	10	8	14	11	6	14	13	17	12
Science and engineering	Engineering	Chemical engineering	Female	Temporary resident	NA	139	158	172	188	199	206	189	186	212	193

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	16	18	8	18	22	27	17	24	27	25
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	1	1	1	3	0	0	1	2	0
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Asian	30	36	32	42	47	61	61	43	66	62
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Black or African American	8	6	8	10	7	9	8	11	19	13
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	0	0	0	1	0	0	0
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	White	217	219	223	276	282	282	282	286	271	267
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	More than one race	0	1	3	10	2	7	11	10	6	13
Science and engineering	Engineering	Chemical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	23	26	26	23	39	16	25	27	26	19
Science and engineering	Engineering	Chemical engineering	Male	Temporary resident	NA	372	369	401	461	434	416	417	461	479	476
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	9	11	14	21	11	16	11	20	12
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	0	0
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Asian	12	12	11	19	20	17	22	22	13	21
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Black or African American	8	5	5	9	4	7	11	7	6	6
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	0	0	0
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	White	81	83	96	110	113	106	117	112	119	122
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	More than one race	1	1	3	2	6	3	6	6	4	7
Science and engineering	Engineering	Civil engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	11	13	10	18	14	11	16	8	14
Science and engineering	Engineering	Civil engineering	Female	Temporary resident	NA	124	119	159	149	189	156	210	222	235	219
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	12	18	13	14	19	24	25	20	22	19
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	0	2	1	1	1	1	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Asian	34	23	25	23	39	26	29	23	28	28
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Black or African American	6	8	9	10	22	10	12	10	9	16
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	White	147	174	199	214	234	218	181	187	205	175
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	More than one race	2	2	1	6	8	5	7	9	8	14
Science and engineering	Engineering	Civil engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	36	18	24	33	29	26	32	25	32	24
Science and engineering	Engineering	Civil engineering	Male	Temporary resident	NA	417	437	467	540	506	542	566	561	720	649
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	7	5	7	4	8	4	6	6	8
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Asian	44	30	38	38	26	37	32	35	40	35
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Black or African American	10	19	5	7	7	8	7	7	6	4
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	White	48	77	43	46	48	49	63	61	55	60
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	More than one race	2	4	3	2	6	0	3	4	7	2
Science and engineering	Engineering	Electrical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	20	21	11	18	21	10	17	23	18	16
Science and engineering	Engineering	Electrical engineering	Female	Temporary resident	NA	257	266	259	295	278	306	330	353	313	375
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	35	29	29	34	50	41	48	31	35	47
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	2	3	1	2	0	1	2	2
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Asian	135	154	129	141	131	118	131	118	137	131
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Black or African American	22	24	29	33	24	36	20	23	20	21
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	2	1	0	1	0	0	0	1
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	White	420	409	431	407	446	420	335	382	358	365

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	More than one race	3	5	13	13	12	20	12	12	19	10
Science and engineering	Engineering	Electrical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	70	67	73	72	79	60	74	74	49	57
Science and engineering	Engineering	Electrical engineering	Male	Temporary resident	NA	1,280	1,362	1,397	1,525	1,518	1,504	1,593	1,590	1,599	1,643
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	3	4	4	2	1	4	4	1	4
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Asian	5	1	7	10	6	8	10	4	7	5
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Black or African American	5	8	9	4	4	4	5	0	9	6
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	White	19	31	20	23	18	17	20	23	28	23
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	More than one race	0	0	0	1	1	0	2	1	0	1
Science and engineering	Engineering	Industrial engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	5	3	1	3	2	5	3	4	6
Science and engineering	Engineering	Industrial engineering	Female	Temporary resident	NA	63	55	70	79	87	81	72	68	74	95
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	2	6	8	9	8	5	4	5	8
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	1	0	0	0	1	0	0	0
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Asian	9	8	4	6	11	4	11	11	12	9
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Black or African American	8	10	14	6	6	5	16	1	4	9
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	White	58	47	56	66	46	65	53	48	60	59
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	More than one race	0	1	0	2	2	6	2	4	1	2
Science and engineering	Engineering	Industrial engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	7	9	5	3	6	7	8	5	6
Science and engineering	Engineering	Industrial engineering	Male	Temporary resident	NA	132	169	186	185	156	168	166	218	191	214
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	7	5	8	2	8	11	5	8	5

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Asian	17	17	23	20	15	15	21	21	33	21
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Black or African American	4	4	10	8	5	3	4	8	10	6
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	0	0	0
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	White	39	57	58	46	70	54	59	74	93	61
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	More than one race	2	1	1	3	2	3	4	4	4	1
Science and engineering	Engineering	Materials engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	2	4	7	4	9	7	9	6	7
Science and engineering	Engineering	Materials engineering	Female	Temporary resident	NA	90	84	101	105	119	124	120	130	118	118
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	7	11	18	24	23	21	24	18	28
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	1	0	2	0	0	0	0	1	1
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Asian	29	39	28	25	35	36	36	32	37	30
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Black or African American	6	10	10	4	3	12	8	18	11	5
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	0	0
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	White	144	196	176	187	193	215	233	206	210	181
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	More than one race	3	4	5	3	5	11	12	12	11	9
Science and engineering	Engineering	Materials engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	26	18	17	17	15	25	19	21	11	18
Science and engineering	Engineering	Materials engineering	Male	Temporary resident	NA	278	268	308	281	317	303	320	327	332	302
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	10	5	8	4	6	9	6	8	8	9
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	2	0	1	1	0	0
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Asian	10	14	18	15	21	24	23	18	16	15

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Black or African American	3	3	7	2	7	7	3	4	5	2
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	0	0	0
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	White	55	53	71	61	73	68	56	77	63	88
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	More than one race	1	1	0	1	4	1	5	3	6	2
Science and engineering	Engineering	Mechanical engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	5	15	5	12	8	7	7	8	8	11
Science and engineering	Engineering	Mechanical engineering	Female	Temporary resident	NA	78	101	103	122	102	125	137	136	170	168
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	21	23	26	30	29	31	42	37	40	32
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	1	1	0	1	1	2	2	2	1
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Asian	49	33	42	70	60	57	55	67	60	68
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Black or African American	10	18	22	15	14	14	13	15	14	10
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	1	0	0	1	0	0	1
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	White	288	349	357	376	411	409	381	395	404	342
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	More than one race	5	2	9	11	8	12	12	18	8	25
Science and engineering	Engineering	Mechanical engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	44	37	47	45	39	40	47	45	33	45
Science and engineering	Engineering	Mechanical engineering	Male	Temporary resident	NA	589	620	667	689	801	729	707	831	876	949
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	15	22	18	26	22	26	29	37	52
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	0	2	1	3	0	1	0	2
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Asian	68	63	73	78	81	65	71	86	82	76
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Black or African American	19	21	26	30	22	32	23	27	27	27
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	0	1	1	0	0	0	0	0	0

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	White	207	212	211	246	263	251	254	296	288	265
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	More than one race	1	5	6	10	11	12	8	14	19	19
Science and engineering	Engineering	Other engineering	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	27	16	30	28	21	44	34	46	29	29
Science and engineering	Engineering	Other engineering	Female	Temporary resident	NA	212	206	272	254	271	286	275	303	332	357
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	35	27	34	44	55	45	56	58	71	52
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	2	4	1	3	4	3	2	0
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Asian	113	98	118	104	126	143	134	131	161	140
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Black or African American	21	25	24	25	31	37	39	31	41	25
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	2	3	0	1	2	0	3	0
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	White	487	496	555	633	575	564	602	560	598	586
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	More than one race	8	8	10	11	13	28	17	33	22	28
Science and engineering	Engineering	Other engineering	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	64	76	94	72	78	86	78	88	56	69
Science and engineering	Engineering	Other engineering	Male	Temporary resident	NA	627	621	663	683	693	686	743	782	789	840
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	4	1	4	6	4	6	5	6	8
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Asian	20	5	10	4	8	6	12	7	8	9
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Black or African American	4	6	5	10	3	8	1	7	8	7
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	2	0	1	0	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	White	24	40	35	27	35	34	46	31	47	44
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	More than one race	3	0	0	0	1	3	2	2	3	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	3	8	7	6	6	10	8	3	4



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Female	Temporary resident	NA	31	38	36	43	49	35	54	38	61	66
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	4	5	4	4	2	5	5	7	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	1	0	0	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Asian	16	1	3	5	3	7	7	5	6	4
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Black or African American	4	5	6	4	8	7	3	4	7	3
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	White	37	33	42	38	39	33	44	35	35	34
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	More than one race	1	0	0	0	2	1	2	2	0	0
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	8	7	7	6	5	3	1	4	4
Non-science and engineering	Architecture and environmental design	Architecture and environmental design	Male	Temporary resident	NA	44	67	49	63	60	51	62	64	47	51
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	29	23	28	25	22	30	30	36	35	40
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	1	2	2	1	6	3	1	1
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Asian	72	65	75	68	77	66	52	59	68	78
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Black or African American	15	18	18	16	23	29	21	20	18	19
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	3	0	0	0	0	1	1	0	1
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	White	433	424	440	435	474	481	487	407	426	404
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	More than one race	3	6	10	10	8	15	17	11	28	18
Non-science and engineering	Arts and music	Arts and music	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	54	67	63	59	62	63	56	55	53	51
Non-science and engineering	Arts and music	Arts and music	Female	Temporary resident	NA	219	249	258	234	222	207	233	270	260	251
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	25	30	44	39	42	37	51	38	36	48

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	4	0	1	0	0	4	1	1	5	2
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Asian	21	15	28	18	27	35	22	28	28	39
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Black or African American	14	17	18	21	23	21	23	27	26	28
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	0	2	1	0	0	1	0
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	White	461	491	504	523	488	502	484	509	556	466
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	More than one race	5	3	10	7	11	18	15	13	22	16
Non-science and engineering	Arts and music	Arts and music	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	66	52	53	61	51	48	36	45	46	44
Non-science and engineering	Arts and music	Arts and music	Male	Temporary resident	NA	123	130	138	132	136	142	137	147	166	151
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	47	43	65	63	60	68	91	59	75	80
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	5	5	4	8	6	6	5	5	7
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Asian	46	63	72	68	86	71	82	73	76	71
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Black or African American	132	177	221	256	297	288	316	305	341	344
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	2	1	2	6	4	3	2	1
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	White	346	412	467	466	486	509	472	429	516	465
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	More than one race	1	4	8	8	9	20	18	30	25	33
Non-science and engineering	Business and management	Business and management	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	95	113	102	108	143	124	157	160	188	173
Non-science and engineering	Business and management	Business and management	Female	Temporary resident	NA	244	251	271	293	270	279	289	298	326	314
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	50	54	67	70	80	101	97	85	83	94
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	7	6	7	4	9	5	6	4	5	7
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Asian	66	83	100	92	101	106	119	106	79	71

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Black or African American	138	140	168	214	203	260	257	255	303	265
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	2	2	0	0	3	2	6	2	3
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	White	578	599	666	682	698	775	695	745	647	616
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	More than one race	4	6	6	7	12	23	16	18	27	28
Non-science and engineering	Business and management	Business and management	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	137	143	124	171	161	193	198	219	229	203
Non-science and engineering	Business and management	Business and management	Male	Temporary resident	NA	379	423	454	427	417	460	454	470	514	514
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	14	16	27	13	19	19	10	14	17
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	1	1	1	0	0	2	2	1	0
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Asian	12	21	18	12	17	22	34	24	21	16
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Black or African American	23	17	32	22	34	20	43	25	29	26
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	0	0	0	0	1	1	0	1
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	White	229	203	209	196	227	208	221	240	173	191
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	More than one race	1	5	4	3	3	6	7	11	6	10
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	24	25	24	26	21	15	18	12	9	9
Non-science and engineering	Communication and librarianship	Communication and librarianship	Female	Temporary resident	NA	105	75	91	96	106	116	97	130	109	114
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	8	5	8	8	13	13	10	13	9
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	3	2	1	0	0	1	2	0
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Asian	4	9	6	3	8	4	2	7	7	9
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Black or African American	11	13	15	11	10	7	10	12	11	11
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	1	0	0	0	0

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	White	123	151	165	183	174	171	137	155	143	130
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	More than one race	1	3	3	2	5	5	5	3	2	6
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	18	17	13	13	18	12	12	13	13	12
Non-science and engineering	Communication and librarianship	Communication and librarianship	Male	Temporary resident	NA	62	61	62	58	47	68	43	68	74	76
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	3	3	0	2	1	4	3	1	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Asian	2	3	1	3	2	2	1	1	5	1
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Black or African American	2	4	2	2	3	6	3	2	4	5
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	1	0
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	White	19	23	23	17	25	20	8	12	15	20
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	More than one race	0	0	0	4	0	0	1	0	1	1
Non-science and engineering	Education	Mathematics education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	6	8	8	6	2	3	2	2	2	1
Non-science and engineering	Education	Mathematics education	Female	Temporary resident	NA	5	6	5	6	4	6	9	6	12	7
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	0	0	0	1	3	1	1	3	2
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Asian	1	3	4	1	2	0	0	2	2	0
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Black or African American	3	5	2	2	1	2	3	1	1	5
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	White	13	7	5	13	8	13	14	10	1	15
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	More than one race	0	0	1	1	0	0	0	0	0	1
Non-science and engineering	Education	Mathematics education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	6	8	1	4	5	5	2	0	1
Non-science and engineering	Education	Mathematics education	Male	Temporary resident	NA	11	3	4	4	2	4	8	8	6	4

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	389	439	461	561	564	627	653	721	814	774
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	50	48	47	42	51	44	62	43	54	37
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Asian	224	245	272	270	287	285	282	270	303	266
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Black or African American	1,140	1,249	1,314	1,398	1,562	1,535	1,764	1,630	1,790	1,769
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	10	9	20	11	18	18	26	12	10	25
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	White	3,811	3,961	4,170	4,255	4,348	4,519	4,572	4,574	4,583	4,662
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	More than one race	41	39	57	78	84	109	133	163	178	195
Non-science and engineering	Education	Non-science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	510	543	500	510	546	495	596	586	614	593
Non-science and engineering	Education	Non-science education	Female	Temporary resident	NA	466	382	428	391	435	461	462	506	519	506
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	187	222	201	218	264	280	289	350	339	370
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	26	19	29	25	25	26	21	24	25	14
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Asian	67	93	96	92	105	94	85	106	95	130
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Black or African American	396	457	473	507	502	500	602	623	672	678
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	3	4	9	12	11	12	6	5	8	6
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	White	1,846	1,982	2,072	2,031	2,307	2,087	2,250	2,244	2,236	2,204
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	More than one race	19	24	32	22	40	46	55	63	74	65
Non-science and engineering	Education	Non-science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	215	253	230	231	246	228	277	255	266	219
Non-science and engineering	Education	Non-science education	Male	Temporary resident	NA	217	195	236	238	228	256	270	265	294	261
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	2	3	2	1	3	0	0	2	2
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Asian	0	2	0	2	1	1	2	3	4	0

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Black or African American	3	6	3	2	4	3	1	6	4	5
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	White	27	23	25	27	21	17	16	22	22	18
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	More than one race	0	0	0	3	1	1	1	2	0	2
Non-science and engineering	Education	Science education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	5	2	0	2	7	2	2	1	4
Non-science and engineering	Education	Science education	Female	Temporary resident	NA	0	2	3	7	6	5	9	3	2	10
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	2	0	0	0	1	0	1	0	1	0
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Asian	0	1	0	3	0	1	1	1	0	1
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Black or African American	0	0	1	1	1	1	4	0	4	4
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	White	7	15	10	7	14	11	10	20	5	6
Non-science and engineering	Education	Science education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	1	5	1	2	3	0	1	0	3
Non-science and engineering	Education	Science education	Male	Temporary resident	NA	1	5	3	3	8	6	6	4	2	2
Non-science and engineering	Education	Social science education	Female	U.S. citizen or permanent resident	White	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	12	28	26	24	21	19	28	19	14	3
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	3	0	1	0	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Asian	3	2	5	4	2	6	4	3	2	3
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Black or African American	9	20	13	18	19	20	28	12	17	7
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	White	56	47	69	77	79	76	78	60	54	35
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	More than one race	0	0	1	1	4	1	0	2	3	1

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Education	Other science/ technical education	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	3	7	7	14	8	11	7	7	5	3
Non-science and engineering	Education	Other science/ technical education	Female	Temporary resident	NA	10	6	5	5	7	9	9	12	11	7
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	7	11	13	12	12	11	6	9	4
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	0	1	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Asian	2	1	1	1	1	0	1	0	0	1
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Black or African American	4	6	4	8	2	8	4	5	6	7
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	1	0	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	White	30	31	26	27	34	28	20	9	15	15
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	More than one race	0	0	1	0	1	0	0	0	1	0
Non-science and engineering	Education	Other science/ technical education	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	1	2	0	1	1	0	2	1	0
Non-science and engineering	Education	Other science/ technical education	Male	Temporary resident	NA	13	5	4	7	5	3	5	4	8	7
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	34	41	44	32	41	41	59	53	57	45
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	3	7	3	3	4	4	5	2	2	1
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Asian	37	31	35	41	42	35	36	51	37	36
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Black or African American	43	45	38	31	26	41	38	37	31	42
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	0	0	0	2	2	0	1	1
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	White	612	628	612	615	653	651	573	530	540	508
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	More than one race	8	7	10	9	10	15	19	17	26	31
Non-science and engineering	Humanities	English and literature	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	65	89	82	91	77	72	70	68	56	55
Non-science and engineering	Humanities	English and literature	Female	Temporary resident	NA	94	111	98	85	92	99	91	93	106	106

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	24	27	23	29	31	30	38	28	26	38
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	3	5	5	1	2	3	5	0	2
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Asian	10	18	22	18	20	17	14	16	12	16
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Black or African American	15	16	17	11	12	13	11	21	14	21
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	1	0	0	0	1	1	1
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	White	404	409	423	416	417	382	379	361	341	377
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	More than one race	7	4	5	7	12	7	9	8	16	12
Non-science and engineering	Humanities	English and literature	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	49	61	54	56	48	38	52	41	33	42
Non-science and engineering	Humanities	English and literature	Male	Temporary resident	NA	62	60	67	69	57	65	63	71	71	66
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	46	72	70	58	78	63	58	66	59	70
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	4	1	0	2	0	1	0	0
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Asian	16	16	13	26	15	13	13	17	15	13
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Black or African American	5	3	6	9	3	6	7	7	4	2
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	White	199	228	221	239	197	222	213	186	204	176
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	More than one race	2	6	3	3	6	7	3	8	6	5
Non-science and engineering	Humanities	Foreign languages	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	43	46	46	44	50	33	39	26	19	27
Non-science and engineering	Humanities	Foreign languages	Female	Temporary resident	NA	130	131	153	124	120	153	130	146	167	147
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	21	27	33	29	40	32	32	53	37	36
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	0	2	0	1	2	0	1	0



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Asian	8	8	6	4	4	2	6	7	9	7
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Black or African American	5	4	4	3	7	3	1	8	7	5
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	0	1	0	0	0	0	1
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	White	155	157	180	176	176	185	149	146	128	134
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	More than one race	1	1	3	1	4	3	5	4	4	6
Non-science and engineering	Humanities	Foreign languages	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	26	26	37	39	20	37	26	20	21	17
Non-science and engineering	Humanities	Foreign languages	Male	Temporary resident	NA	109	89	97	81	100	96	100	114	123	116
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	16	20	35	25	26	33	34	34	32	27
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	2	2	4	1	1	5	1	1	2	2
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Asian	18	14	12	16	13	12	10	10	8	15
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Black or African American	26	32	20	24	28	30	15	26	16	14
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	0	0	0
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	White	250	270	275	276	286	282	241	261	226	207
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	More than one race	4	5	1	5	7	9	7	5	10	9
Non-science and engineering	Humanities	History	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	35	47	45	35	35	29	26	25	25	25
Non-science and engineering	Humanities	History	Female	Temporary resident	NA	58	50	54	55	47	44	41	57	39	52
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	25	28	34	40	43	35	44	39	45	35
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	3	0	6	2	2	1	5	1	2	1
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Asian	6	11	17	14	17	6	13	14	11	5
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Black or African American	15	26	18	22	20	24	20	16	16	17

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	1	0	1	0	1	1	0
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	White	334	345	378	377	350	353	340	332	305	334
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	More than one race	7	4	4	2	6	5	8	6	10	13
Non-science and engineering	Humanities	History	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	52	42	38	54	58	45	41	32	23	32
Non-science and engineering	Humanities	History	Male	Temporary resident	NA	55	80	59	71	51	59	61	55	67	55
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	7	8	7	4	5	13	4	5	5	18
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	1	0	0	1	0	0
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Asian	4	7	9	2	7	7	4	3	11	5
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Black or African American	12	4	4	7	9	7	7	4	7	4
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	White	112	77	71	89	83	87	77	81	86	73
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	More than one race	2	2	2	4	1	3	5	1	6	4
Non-science and engineering	Humanities	Other humanities	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	10	10	7	8	17	11	11	12	12
Non-science and engineering	Humanities	Other humanities	Female	Temporary resident	NA	37	35	33	29	22	28	30	30	34	24
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	11	13	14	11	14	13	15	13	9	26
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	1	3	2	0	0	1
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Asian	9	10	12	9	11	7	11	8	12	13
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Black or African American	16	6	6	14	13	3	5	12	15	4
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	White	236	254	242	204	240	208	214	236	169	206
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	More than one race	3	4	4	3	4	4	4	6	4	9
Non-science and engineering	Humanities	Other humanities	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	26	30	31	26	29	29	27	28	35	25

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Humanities	Other humanities	Male	Temporary resident	NA	73	65	77	49	44	43	52	65	61	51
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	7	4	7	5	8	10	3	8	17
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	1	0	0	0	0	0	0	1
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Asian	6	4	11	6	7	7	4	7	9	12
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Black or African American	18	15	17	15	17	23	16	15	12	14
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	0	0	0	0	1	0
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	White	60	72	64	51	58	67	64	66	73	100
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	More than one race	0	0	1	0	5	4	4	3	3	7
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	10	11	10	12	11	13	8	6	7	8
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Female	Temporary resident	NA	22	26	30	20	32	29	29	37	37	45
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	7	6	6	8	7	9	8	9	8
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	2	0	0	0	1	0	0	0
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Asian	9	6	7	6	4	10	6	7	6	6
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Black or African American	5	5	7	20	17	9	13	14	9	10
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	White	54	58	57	67	69	80	58	64	80	64
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	More than one race	2	0	0	4	1	2	0	2	6	3
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	8	5	7	6	8	8	12	8	9
Non-science and engineering	Interdisciplinary or other sciences	Interdisciplinary or other sciences	Male	Temporary resident	NA	21	26	34	33	44	29	43	39	36	46
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	3	1	0	0	4	2	3	4	0	3
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	1	0	3	1	0	6	0	2

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Asian	1	2	0	0	4	1	0	1	2	1
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Black or African American	0	1	2	1	1	2	1	3	2	2
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	White	13	17	10	16	4	12	12	16	7	6
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	0	0	0	0	0
Non-science and engineering	Law	Law	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	7	11	10	2	4	6	7	2	5	5
Non-science and engineering	Law	Law	Female	Temporary resident	NA	63	59	35	31	32	30	48	33	60	52
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	2	1	0	3	1	1	4	3	0
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	4	0	0	1	2	0
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Asian	2	1	0	2	0	1	2	0	2	3
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Black or African American	1	1	0	4	1	3	0	3	3	4
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	White	8	0	10	12	8	13	12	8	9	8
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	1	1	1	0	0	2
Non-science and engineering	Law	Law	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	11	9	7	4	3	11	5	5	7
Non-science and engineering	Law	Law	Male	Temporary resident	NA	84	72	56	48	51	61	53	79	82	87
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	40	37	51	75	105	103	113	134	126	161
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	4	4	6	6	6	7	9	14	8	12
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Asian	78	100	95	112	157	127	176	179	189	218
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Black or African American	100	109	117	175	211	285	327	362	422	553
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	3	2	6	3	5	3	9
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	White	473	547	602	715	891	968	995	1,114	1,220	1,314

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	More than one race	6	4	12	15	26	23	39	39	49	75
Non-science and engineering	Life sciences	Medical sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	63	68	85	102	90	121	118	159	115	191
Non-science and engineering	Life sciences	Medical sciences	Female	Temporary resident	NA	186	238	252	264	246	261	278	292	299	328
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	27	28	28	25	45	32	35	47	42	42
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	1	3	0	2	0	5	2	3
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Asian	55	38	46	60	45	66	69	70	74	71
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Black or African American	32	47	40	58	51	50	88	85	91	105
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	2	1	0	3	0	1	1	1	2	3
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	White	184	227	256	256	279	248	278	286	288	327
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	More than one race	2	6	6	9	5	10	12	19	16	9
Non-science and engineering	Life sciences	Medical sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	41	30	47	39	32	41	56	53	59	46
Non-science and engineering	Life sciences	Medical sciences	Male	Temporary resident	NA	203	230	222	228	242	246	256	286	276	287
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	52	69	49	83	87	127	111	124	145	145
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	7	9	12	8	8	9	12	12	11	10
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Asian	97	123	116	91	103	116	137	145	193	223
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Black or African American	152	153	167	177	182	220	220	269	340	300
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	1	2	2	5	1	4	5	1	7
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	White	1,513	1,483	1,483	1,638	1,500	1,574	1,661	1,698	1,764	1,850
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	More than one race	8	7	23	26	22	38	60	41	61	64
Non-science and engineering	Life sciences	Other life sciences	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	175	138	134	123	129	153	124	184	198	179

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Life sciences	Other life sciences	Female	Temporary resident	NA	125	143	98	113	116	131	143	161	150	151
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	19	22	23	25	43	34	46	47	56	62
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	2	4	4	4	6	5	4	3	2	2
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Asian	30	41	37	32	49	51	43	57	70	59
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Black or African American	41	37	36	31	44	64	63	74	83	69
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	1	0	1	3	1	2	2	3	1	3
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	White	428	446	458	446	485	528	571	619	566	634
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	More than one race	4	3	11	7	15	20	23	23	15	26
Non-science and engineering	Life sciences	Other life sciences	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	58	51	42	40	43	46	40	59	73	60
Non-science and engineering	Life sciences	Other life sciences	Male	Temporary resident	NA	55	59	72	59	72	76	84	67	73	97
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	8	14	10	10	9	14	15	13	9	20
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	4	3	2	0	2	5	3	3	4
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Asian	13	11	8	11	6	7	7	10	9	5
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Black or African American	26	28	21	28	31	19	31	21	46	50
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	0	0
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	White	130	159	149	187	138	175	163	147	167	149
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	More than one race	6	2	4	5	5	5	8	4	10	7
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	19	19	19	16	26	20	19	10	24	24
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Female	Temporary resident	NA	32	36	39	39	40	42	33	31	32	32
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	6	7	8	2	8	9	3	7	6	7

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	2	1	2	5	1	1	1	0	4
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Asian	1	6	4	3	4	4	5	7	2	4
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Black or African American	12	19	9	12	23	16	11	17	21	17
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	1	1	0	0
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	White	104	111	111	108	116	118	113	114	117	114
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	More than one race	2	1	1	0	4	2	6	2	3	2
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	13	15	18	15	23	15	16	17	15	14
Non-science and engineering	Other non-sciences or unknown disciplines	Other non-sciences or unknown disciplines	Male	Temporary resident	NA	40	36	42	38	41	45	47	42	42	31
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	5	5	5	7	11	12	10	6	25	10
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	0	2	3	1	2	0	3	1	0
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Asian	16	17	10	17	16	13	20	11	6	17
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Black or African American	45	31	48	45	40	59	61	44	39	42
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	2	0	1	0	1	0
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	White	155	156	164	148	164	160	146	177	140	134
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	More than one race	2	1	3	1	3	3	2	6	6	6
Non-science and engineering	Religion and theology	Religion and theology	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	28	14	15	26	23	20	12	13	17	14
Non-science and engineering	Religion and theology	Religion and theology	Female	Temporary resident	NA	29	28	25	24	15	35	23	35	32	27
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	36	21	23	36	32	24	32	43	34	35
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	3	1	5	3	2	3	2	1
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Asian	35	48	50	44	43	40	42	39	42	50

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Black or African American	95	84	56	76	69	70	69	64	83	72
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	2	3	0	1	2	1	0	0	2
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	White	648	434	479	442	411	431	440	447	413	474
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	More than one race	3	5	12	6	4	1	9	10	10	10
Non-science and engineering	Religion and theology	Religion and theology	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	78	39	46	37	48	44	54	56	33	50
Non-science and engineering	Religion and theology	Religion and theology	Male	Temporary resident	NA	138	119	145	136	84	95	118	114	127	95
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	0	1	0	0	0	1	0	1	0	0
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	0	0	0	0	0
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Asian	0	2	1	1	1	3	2	2	1	2
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Black or African American	0	5	0	1	2	1	0	2	1	1
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	White	4	33	10	8	6	13	12	9	10	11
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	More than one race	0	0	0	0	0	0	0	0	1	0
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	1	2	0	1	0	1	0	1	0	0
Non-science and engineering	Science and engineering technologies	Engineering technologies	Female	Temporary resident	NA	7	4	4	3	9	11	12	11	9	12
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	0	0	0	3	3	0	2	0	1
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	0	0	0	0	0	1	0
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Asian	1	1	3	1	1	0	4	1	0	4
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Black or African American	1	1	1	0	5	2	2	2	4	2
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	White	11	17	11	16	16	23	24	23	15	22
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	1	0	1	2	0



Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	4	1	1	2	0	0	5	0	1
Non-science and engineering	Science and engineering technologies	Engineering technologies	Male	Temporary resident	NA	5	9	13	19	18	24	22	17	19	7
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	4	2	3	7	5	8	3	9	11	12
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	1	0	1	0	1	0	0	0	2
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Asian	3	7	6	7	5	16	5	9	8	14
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Black or African American	1	15	4	13	14	19	13	22	35	23
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	0	0	0	0	0	0
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	White	44	91	42	43	48	72	57	85	90	86
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	More than one race	0	0	1	3	4	1	2	6	2	8
Non-science and engineering	Science and engineering technologies	Health technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	7	3	3	8	7	10	7	14	7
Non-science and engineering	Science and engineering technologies	Health technologies	Female	Temporary resident	NA	14	15	19	16	11	16	12	25	12	18
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	4	4	3	6	5	7	6	10	7
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	0	1	0	1	0	0
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Asian	3	7	4	5	7	7	2	4	8	9
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Black or African American	3	4	2	1	3	3	6	5	3	10
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	0	0	0	0	1
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	White	29	34	38	35	48	35	38	39	63	58
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	0	1	1	0	2	3
Non-science and engineering	Science and engineering technologies	Health technologies	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	4	6	10	10	8	8	5	4	8	6
Non-science and engineering	Science and engineering technologies	Health technologies	Male	Temporary resident	NA	11	13	6	9	13	26	12	15	17	13

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	White	1	0	0	1	0	0	0	1	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	0	0	0	0	0	0	0	1	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Female	Temporary resident	NA	0	0	0	0	1	0	0	0	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	Asian	1	0	0	0	0	0	0	0	0	0
Non-science and engineering	Science and engineering technologies	Science technologies	Male	U.S. citizen or permanent resident	White	1	1	2	0	3	2	3	1	0	0
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	18	18	14	13	23	20	21	30	47	22
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	1	1	0	2	3	5	4
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Asian	16	10	15	17	16	19	18	13	13	15
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Black or African American	31	27	40	50	61	52	56	57	80	90
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	1	0	1	0	0	2	0	1
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	White	141	137	165	162	173	149	173	200	241	203
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	More than one race	3	6	2	2	4	7	10	11	6	8
Non-science and engineering	Social service professions	Social service professions	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	8	8	17	21	28	22	16	18	21	28
Non-science and engineering	Social service professions	Social service professions	Female	Temporary resident	NA	35	26	39	33	31	29	21	40	44	35
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	5	1	5	3	7	4	7	13	9
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	0	0	0	0	0	0	0	2	1	1
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Asian	4	7	3	3	2	8	5	2	7	4
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Black or African American	6	11	8	19	15	8	14	13	20	17
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	1	0	0	0	0	0	0	0
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	White	50	33	46	34	38	41	41	64	50	51

Table 2-4

## Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	More than one race	0	0	1	1	0	2	2	3	2	3
Non-science and engineering	Social service professions	Social service professions	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	3	6	2	8	7	3	6	7	2
Non-science and engineering	Social service professions	Social service professions	Male	Temporary resident	NA	9	13	13	12	11	12	7	21	10	9
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	15	6	14	17	31	37	39	34	35	33
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	American Indian or Alaska Native	1	3	2	0	2	0	1	0	2	1
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Asian	13	15	21	24	20	19	19	21	19	10
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Black or African American	42	45	57	49	58	70	56	47	84	70
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	1	0	0	1	1	0	1	0	0
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	White	226	228	200	257	229	222	210	198	195	214
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	More than one race	4	2	4	7	10	11	6	13	15	10
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	U.S. citizen or permanent resident	Other or unknown race or ethnicity	14	14	28	27	35	38	31	18	23	29
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Female	Temporary resident	NA	72	67	82	63	72	75	58	64	65	75
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Hispanic or Latino <sup>a</sup>	1	7	8	12	5	14	8	7	11	13
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	American Indian or Alaska Native	1	1	0	0	0	1	1	1	0	2
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Asian	4	3	4	4	3	3	5	5	5	6
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Black or African American	12	11	14	17	25	43	22	17	24	22
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Native Hawaiian or Other Pacific Islander	0	0	0	0	1	1	0	0	1	1
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	White	87	75	111	87	116	115	100	77	114	103
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	More than one race	0	1	0	0	3	2	2	3	8	5
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	U.S. citizen or permanent resident	Other or unknown race or ethnicity	2	10	6	11	10	13	13	13	24	18

**Table 2-4****Doctoral degrees awarded, by field, sex, citizenship, race, and ethnicity: 2011–20**

(Number)

Field category	Broad field	Detailed field	Sex	Citizenship	Race and ethnicity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-science and engineering	Vocational studies and home economics	Vocational studies and home economics	Male	Temporary resident	NA	29	29	33	20	33	42	39	30	33	29

NA = not available.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Race and ethnicity data are available only for U.S. citizens and permanent residents; temporary visa holders include all racial or ethnic groups. Data are based on degree-granting, primarily postsecondary institutions eligible to participate in Title IV federal financial aid programs.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022, Table Builder) of the National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, provisional release data.

Table 2-5

## Doctorate recipients, by selected field and disability status: 2021

(Number and percent)

Field	All recipients (number) <sup>a</sup>	All disability respondents (number)	Without disability		With disability	
			Number	Percent	Number	Percent
All fields	52,250	45,477	40,351	88.7	5,126	11.3
S&E	41,356	36,297	32,394	89.2	3,903	10.8
Science <sup>b</sup>	31,793	27,943	24,726	88.5	3,217	11.5
Agricultural sciences and natural resources	1,223	1,056	939	88.9	117	11.1
Biological and biomedical sciences	8,259	7,478	6,591	88.1	887	11.9
Computer and information sciences	2,195	1,867	1,683	90.1	184	9.9
Geosciences, atmospheric, and ocean sciences	1,044	945	840	88.9	105	11.1
Health sciences <sup>c</sup>	2,582	2,229	1,994	89.5	235	10.5
Mathematics and statistics	1,915	1,701	1,530	89.9	171	10.1
Multidisciplinary/ interdisciplinary sciences	1,299	1,135	1,012	89.2	123	10.8
Physical sciences	4,811	4,308	3,864	89.7	444	10.3
Astronomy and astrophysics	263	249	218	87.6	31	12.4
Chemistry	2,369	2,089	1,868	89.4	221	10.6
Materials sciences	429	403	361	89.6	42	10.4
Physics	1,750	1,567	1,417	90.4	150	9.6
Psychology	3,716	2,989	2,597	86.9	392	13.1
Social sciences	4,749	4,235	3,676	86.8	559	13.2
Anthropology	388	352	297	84.4	55	15.6
Area, ethnic, cultural and group studies	383	327	271	82.9	56	17.1
Economics	1,317	1,162	1,057	91.0	105	9.0
Political science and government	581	499	431	86.4	68	13.6
Public policy analysis	399	363	318	87.6	45	12.4
Sociology, demography, and population studies	578	526	446	84.8	80	15.2
Social sciences, other	1,103	1,006	856	85.1	150	14.9
Engineering	9,563	8,354	7,668	91.8	686	8.2
Biological, biomedical, and biosystems engineering	1,071	976	893	91.5	83	8.5
Chemical and petroleum engineering	1,292	1,146	1,056	92.1	90	7.9
Civil, environmental, and transportation engineering	1,020	902	819	90.8	83	9.2
Electrical and computer engineering	2,047	1,782	1,658	93.0	124	7.0
Engineering technologies	452	421	369	87.6	52	12.4
Industrial engineering and operations research	604	537	496	92.4	41	7.6
Materials and mining engineering	672	566	514	90.8	52	9.2
Mechanical engineering	1,413	1,206	1,116	92.5	90	7.5
Engineering, other	992	818	747	91.3	71	8.7

**Table 2-5****Doctorate recipients, by selected field and disability status: 2021**

(Number and percent)

Field	All recipients (number) <sup>a</sup>	All disability respondents (number)	Without disability		With disability	
			Number	Percent	Number	Percent
Non-S&E	10,894	9,180	7,957	86.7	1,223	13.3

S&amp;E = science and engineering.

<sup>a</sup> Includes doctorate recipients for whom disability status is unknown.<sup>b</sup> The fields presented under science contain both broad and selected subordinate fields of study. As a result, detail does not sum to the total.<sup>c</sup> In previous years, health sciences was classified as non-S&E.**Note(s):**

Percentages are based on doctorate recipients who answered the disability question. Doctorate recipients could report more than one disability. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Data in this table are based on research doctorates only and differ from doctoral degree data in this report that are based on the Integrated Postsecondary Education Data System Completions Survey. The greatest differences are in psychology, education, and medical or other health sciences, which are fields with many professional doctorates.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022) of the 2021 Survey of Earned Doctorates.

Table 2-6

**S&E doctorate recipients reporting one or more disabilities, by broad field of study, sex, citizenship, ethnicity, and race: 2021**

(Number and percent)

Demographic characteristic	All recipients <sup>a</sup> (number)	All disability respondents		With disability		Visual disabilities		Hearing disabilities		Walking disabilities		Lifting disabilities		Cognitive disabilities <sup>b</sup>		Without disability	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Field of study																	
S&E <sup>c</sup>	41,356	36,297	100.0	3,903	10.8	1,368	3.8	466	1.3	187	0.5	284	0.8	2,318	6.4	32,394	89.2
Science <sup>d</sup>	31,793	27,943	100.0	3,217	11.5	1,003	3.6	372	1.3	155	0.6	221	0.8	2,029	7.3	24,726	88.5
Agricultural sciences and natural resources	1,223	1,056	100.0	117	11.1	57	5.4	21	2.0	6	0.6	9	0.9	56	5.3	939	88.9
Biological and biomedical sciences	8,259	7,478	100.0	887	11.9	222	3.0	114	1.5	34	0.5	38	0.5	622	8.3	6,591	88.1
Computer and information sciences	2,195	1,867	100.0	184	9.9	89	4.8	19	1.0	11	0.6	19	1.0	81	4.3	1,683	90.1
Geosciences, atmospheric, and ocean sciences	1,044	945	100.0	105	11.1	30	3.2	16	1.7	9	1.0	11	1.2	69	7.3	840	88.9
Health sciences <sup>e</sup>	2,582	2,229	100.0	235	10.5	85	3.8	34	1.5	16	0.7	22	1.0	129	5.8	1,994	89.5
Mathematics and statistics	1,915	1,701	100.0	171	10.1	67	3.9	21	1.2	7	0.4	13	0.8	89	5.2	1,530	89.9
Multidisciplinary/interdisciplinary sciences	1,299	1,135	100.0	123	10.8	43	3.8	11	1.0	5	0.4	7	0.6	76	6.7	1,012	89.2
Physical sciences	4,811	4,308	100.0	444	10.3	144	3.3	46	1.1	11	0.3	18	0.4	277	6.4	3,864	89.7
Psychology	3,716	2,989	100.0	392	13.1	90	3.0	42	1.4	21	0.7	28	0.9	277	9.3	2,597	86.9
Social sciences	4,749	4,235	100.0	559	13.2	176	4.2	48	1.1	35	0.8	56	1.3	353	8.3	3,676	86.8
Engineering	9,563	8,354	100.0	686	8.2	365	4.4	94	1.1	32	0.4	63	0.8	289	3.5	7,668	91.8
Sex																	
Male	23,408	20,663	100.0	2,019	9.8	807	3.9	278	1.3	95	0.5	122	0.6	1,107	5.4	18,644	90.2
Female	17,939	15,632	100.0	1,882	12.0	561	3.6	188	1.2	92	0.6	162	1.0	1,209	7.7	13,750	88.0
Citizenship																	
U.S. citizens and permanent residents	23,906	22,234	100.0	2,756	12.4	612	2.8	365	1.6	143	0.6	164	0.7	1,944	8.7	19,478	87.6
Temporary visa holders	15,259	14,026	100.0	1,146	8.2	755	5.4	101	0.7	44	0.3	120	0.9	374	2.7	12,880	91.8
Ethnicity and race																	
Hispanic or Latino <sup>f</sup>	3,124	2,910	100.0	440	15.1	154	5.3	52	1.8	17	0.6	24	0.8	295	10.1	2,470	84.9
Not Hispanic or Latino																	
American Indian or Alaska Native	70	61	100.0	15	24.6	6	9.8	D	4.9	0	0.0	D	1.6	10	16.4	46	75.4
Asian	12,869	12,216	100.0	1,028	8.4	690	5.6	93	0.8	41	0.3	85	0.7	334	2.7	11,188	91.6

Table 2-6

**S&E doctorate recipients reporting one or more disabilities, by broad field of study, sex, citizenship, ethnicity, and race: 2021**

(Number and percent)

Demographic characteristic	All recipients <sup>a</sup> (number)	All disability respondents		With disability		Visual disabilities		Hearing disabilities		Walking disabilities		Lifting disabilities		Cognitive disabilities <sup>b</sup>		Without disability	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Black or African American	1,921	1,768	100.0	187	10.6	86	4.9	18	1.0	14	0.8	16	0.9	88	5.0	1,581	89.4
White	18,998	18,008	100.0	2,072	11.5	392	2.2	277	1.5	104	0.6	141	0.8	1,479	8.2	15,936	88.5
More than one race	928	889	100.0	111	12.5	22	2.5	12	1.3	7	0.8	8	0.9	79	8.9	778	87.5
Other race or race not reported	718	349	100.0	41	11.7	12	3.4	D	1.7	1	0.3	D	1.4	29	8.3	308	88.3
Ethnicity not reported	2,728	96	100.0	9	9.4	6	6.3	5	5.2	3	3.1	4	4.2	4	4.2	87	90.6

D = suppressed to avoid disclosure of confidential information.

S&amp;E = science and engineering.

<sup>a</sup> Includes doctorate recipients for whom disability status is unknown.<sup>b</sup> Includes disabilities in concentrating, remembering, or making decisions because of a physical, mental, or emotional condition.<sup>c</sup> Total may include doctorate recipients who did not report sex and those who did not report citizenship. As a result, detail may not sum to total.<sup>d</sup> The fields presented under science contain both broad and selected subordinate fields of study. As a result, detail does not sum to the total.<sup>e</sup> In previous years, health sciences was classified as non-S&E.<sup>f</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Race and ethnicity data are for U.S. citizens, permanent residents, and temporary visa holders. Percentages are based on doctorate recipients who answered the disability question. Doctorate recipients could report more than one disability. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Data in this table are based on research doctorates only and differ from doctoral degree data in this report that are based on the Integrated Postsecondary Education Data System Completions Survey. The greatest differences are in psychology, education, and medical or other health sciences, which are fields with many professional doctorates.

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022) of the 2021 Survey of Earned Doctorates.



Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
All S&E graduate students	677,834	59,164	1,729	52,825	35,868	659	253,936	16,946	20,987	235,720
Science	509,784	48,343	1,443	39,413	31,021	561	201,768	13,468	17,432	156,335
Agricultural and veterinary sciences	11,244	926	34	389	407	13	5,772	244	224	3,235
Biological and biomedical sciences	100,883	10,508	253	10,250	6,587	140	46,065	3,109	3,205	20,766
Computer and information sciences	121,730	5,603	142	12,837	5,922	87	26,802	2,059	3,487	64,791
Geosciences, atmospheric sciences, and ocean sciences	12,290	1,068	32	418	303	8	7,118	403	384	2,556
Mathematics and statistics	34,258	1,979	35	2,842	742	14	10,296	558	859	16,933
Multidisciplinary and interdisciplinary studies	15,768	1,519	30	1,489	981	18	6,382	441	484	4,424
Natural resources and conservation	13,922	1,304	129	472	519	33	8,619	479	433	1,934
Physical sciences	44,141	3,287	72	2,720	1,145	20	18,104	1,036	1,049	16,708
Psychology	73,325	13,155	295	3,827	7,639	108	37,135	2,829	4,109	4,228
Social sciences	82,223	8,994	421	4,169	6,776	120	35,475	2,310	3,198	20,760
Engineering	168,050	10,821	286	13,412	4,847	98	52,168	3,478	3,555	79,385
Aerospace, aeronautical, and astronautical engineering	7,838	688	17	767	170	11	3,961	276	184	1,764
Architectural, environmental, construction and surveying engineering	3,496	307	8	192	124	3	1,247	76	80	1,459
Agricultural engineering	1,187	54	1	53	22	1	362	31	14	649
Biological, biomedical, and biosystems engineering	14,059	1,053	15	1,878	544	14	5,239	433	379	4,504
Chemical engineering	9,670	529	18	851	204	3	3,160	204	169	4,532
Civil engineering	16,112	1,193	47	984	453	14	4,966	291	295	7,869
Computer engineering	12,632	517	12	996	280	5	2,010	158	197	8,457
Electrical, electronics, and communications engineering	32,633	1,675	40	2,623	710	7	7,263	494	594	19,227
Engineering mechanics, physics, and science	2,239	111	4	187	61	1	757	50	34	1,034
Industrial and manufacturing engineering	7,606	554	8	367	241	2	1,694	80	86	4,574
Mechanical engineering	27,258	2,055	39	2,018	603	11	9,167	612	601	12,152

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Metallurgical, mining, materials and related engineering fields	7,422	464	16	549	172	3	2,602	199	118	3,299
Nuclear engineering	1,516	112	1	75	34	1	802	46	49	396
Petroleum engineering	1,026	39	3	28	43	0	150	12	21	730
Systems engineering and operations research	8,264	628	19	745	401	10	3,267	205	340	2,649
Engineering nec	15,092	842	38	1,099	785	12	5,521	311	394	6,090
Female	309,437	31,908	949	24,399	21,219	340	123,396	8,968	10,250	88,008
Science	262,874	28,839	839	20,089	19,626	312	109,563	7,850	9,229	66,527
Agricultural and veterinary sciences	6,764	589	16	252	266	6	3,606	164	137	1,728
Biological and biomedical sciences	61,714	6,382	143	6,221	4,579	88	28,097	1,982	1,895	12,327
Computer and information sciences	38,683	1,571	41	4,283	2,285	17	6,887	635	1,101	21,863
Geosciences, atmospheric sciences, and ocean sciences	6,246	613	22	248	174	7	3,729	243	181	1,029
Mathematics and statistics	12,605	652	12	1,133	283	6	3,283	168	259	6,809
Multidisciplinary and interdisciplinary studies	8,613	891	15	858	591	10	3,459	254	293	2,242
Natural resources and conservation	8,444	869	75	312	316	23	5,261	314	251	1,023
Physical sciences	16,080	1,246	23	1,177	570	7	6,550	404	346	5,757
Psychology	58,858	10,660	226	3,035	6,284	83	29,845	2,273	3,217	3,235
Social sciences	44,867	5,366	266	2,570	4,278	65	18,846	1,413	1,549	10,514
Engineering	46,563	3,069	110	4,310	1,593	28	13,833	1,118	1,021	21,481
Aerospace, aeronautical, and astronautical engineering	1,465	119	4	148	38	3	734	60	32	327
Architectural, environmental, construction and surveying engineering	1,569	155	3	110	61	0	596	47	30	567
Agricultural engineering	491	29	0	20	15	1	165	13	9	239
Biological, biomedical, and biosystems engineering	6,542	511	8	883	283	5	2,403	215	179	2,055
Chemical engineering	3,361	193	7	319	87	1	1,034	71	66	1,583
Civil engineering	5,276	436	17	363	160	6	1,784	110	106	2,294
Computer engineering	3,398	88	4	304	68	4	302	27	45	2,556

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Electrical, electronics, and communications engineering	6,904	281	18	642	139	0	1,071	124	124	4,505
Engineering mechanics, physics, and science	620	28	4	69	25	1	178	12	11	292
Industrial and manufacturing engineering	2,200	215	2	124	86	0	520	35	31	1,187
Mechanical engineering	5,063	415	12	462	146	2	1,779	158	133	1,956
Metallurgical, mining, materials and related engineering fields	2,355	143	6	218	72	2	819	74	45	976
Nuclear engineering	304	24	0	17	9	0	138	6	12	98
Petroleum engineering	211	7	0	8	6	0	27	2	6	155
Systems engineering and operations research	2,538	178	9	248	130	1	821	65	88	998
Engineering nec	4,266	247	16	375	268	2	1,462	99	104	1,693
Male	368,397	27,256	780	28,426	14,649	319	130,540	7,978	10,737	147,712
Science	246,910	19,504	604	19,324	11,395	249	92,205	5,618	8,203	89,808
Agricultural and veterinary sciences	4,480	337	18	137	141	7	2,166	80	87	1,507
Biological and biomedical sciences	39,169	4,126	110	4,029	2,008	52	17,968	1,127	1,310	8,439
Computer and information sciences	83,047	4,032	101	8,554	3,637	70	19,915	1,424	2,386	42,928
Geosciences, atmospheric sciences, and ocean sciences	6,044	455	10	170	129	1	3,389	160	203	1,527
Mathematics and statistics	21,653	1,327	23	1,709	459	8	7,013	390	600	10,124
Multidisciplinary and interdisciplinary studies	7,155	628	15	631	390	8	2,923	187	191	2,182
Natural resources and conservation	5,478	435	54	160	203	10	3,358	165	182	911
Physical sciences	28,061	2,041	49	1,543	575	13	11,554	632	703	10,951
Psychology	14,467	2,495	69	792	1,355	25	7,290	556	892	993
Social sciences	37,356	3,628	155	1,599	2,498	55	16,629	897	1,649	10,246
Engineering	121,487	7,752	176	9,102	3,254	70	38,335	2,360	2,534	57,904
Aerospace, aeronautical, and astronautical engineering	6,373	569	13	619	132	8	3,227	216	152	1,437
Architectural, environmental, construction and surveying engineering	1,927	152	5	82	63	3	651	29	50	892

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Agricultural engineering	696	25	1	33	7	0	197	18	5	410
Biological, biomedical, and biosystems engineering	7,517	542	7	995	261	9	2,836	218	200	2,449
Chemical engineering	6,309	336	11	532	117	2	2,126	133	103	2,949
Civil engineering	10,836	757	30	621	293	8	3,182	181	189	5,575
Computer engineering	9,234	429	8	692	212	1	1,708	131	152	5,901
Electrical, electronics, and communications engineering	25,729	1,394	22	1,981	571	7	6,192	370	470	14,722
Engineering mechanics, physics, and science	1,619	83	0	118	36	0	579	38	23	742
Industrial and manufacturing engineering	5,406	339	6	243	155	2	1,174	45	55	3,387
Mechanical engineering	22,195	1,640	27	1,556	457	9	7,388	454	468	10,196
Metallurgical, mining, materials and related engineering fields	5,067	321	10	331	100	1	1,783	125	73	2,323
Nuclear engineering	1,212	88	1	58	25	1	664	40	37	298
Petroleum engineering	815	32	3	20	37	0	123	10	15	575
Systems engineering and operations research	5,726	450	10	497	271	9	2,446	140	252	1,651
Engineering nec	10,826	595	22	724	517	10	4,059	212	290	4,397
All S&E master's students	400,922	39,999	1,050	34,480	25,398	480	151,772	10,177	13,520	124,046
Science	305,796	32,387	845	25,795	22,257	410	118,785	8,022	11,342	85,953
Agricultural and veterinary sciences	6,801	700	22	262	306	12	3,978	168	157	1,196
Biological and biomedical sciences	42,728	5,037	104	4,999	4,067	86	19,656	1,353	1,568	5,858
Computer and information sciences	102,199	5,106	121	11,428	5,390	76	22,742	1,742	2,965	52,629
Geosciences, atmospheric sciences, and ocean sciences	5,520	571	18	168	159	6	3,748	186	161	503
Mathematics and statistics	20,639	1,310	22	1,951	535	9	5,913	309	502	10,088
Multidisciplinary and interdisciplinary studies	11,994	1,228	20	1,237	754	11	4,766	344	371	3,263
Natural resources and conservation	10,012	1,028	81	344	335	31	6,611	386	279	917
Physical sciences	6,409	782	24	463	334	7	2,964	177	187	1,471
Psychology	51,878	10,248	195	2,483	5,808	91	26,061	1,886	3,268	1,838
Social sciences	47,616	6,377	238	2,460	4,569	81	22,346	1,471	1,884	8,190

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Engineering	95,126	7,612	205	8,685	3,141	70	32,987	2,155	2,178	38,093
Aerospace, aeronautical, and astronautical engineering	5,065	545	12	559	114	8	2,840	189	135	663
Architectural, environmental, construction and surveying engineering	2,378	239	6	149	89	2	947	54	58	834
Agricultural engineering	519	27	1	25	5	0	214	16	3	228
Biological, biomedical, and biosystems engineering	5,192	408	4	795	230	6	1,953	168	118	1,510
Chemical engineering	2,555	212	7	269	78	0	893	66	60	970
Civil engineering	9,352	957	35	774	320	10	3,657	213	195	3,191
Computer engineering	9,829	460	10	857	224	4	1,507	126	143	6,498
Electrical, electronics, and communications engineering	17,866	1,247	35	1,786	467	6	4,702	338	351	8,934
Engineering mechanics, physics, and science	782	46	2	81	34	0	325	17	10	267
Industrial and manufacturing engineering	5,284	488	4	284	167	2	1,278	64	48	2,949
Mechanical engineering	15,718	1,490	28	1,412	373	9	6,158	405	380	5,463
Metallurgical, mining, materials and related engineering fields	2,518	163	8	198	75	2	1,063	83	49	877
Nuclear engineering	484	43	1	24	12	1	293	14	16	80
Petroleum engineering	428	32	3	14	31	0	95	9	10	234
Systems engineering and operations research	6,665	581	17	635	339	9	2,783	165	284	1,852
Engineering nec	10,491	674	32	823	583	11	4,279	228	318	3,543
Female	187,856	22,072	571	15,624	15,103	238	74,725	5,379	6,800	47,344
Science	162,191	20,047	487	12,917	14,156	223	66,631	4,747	6,221	36,762
Agricultural and veterinary sciences	4,289	453	11	178	204	6	2,544	118	99	676
Biological and biomedical sciences	28,284	3,286	61	3,238	2,978	54	12,854	913	998	3,902
Computer and information sciences	33,288	1,434	36	3,811	2,068	14	5,889	537	940	18,559

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Geosciences, atmospheric sciences, and ocean sciences	2,896	337	12	99	90	5	1,957	105	78	213
Mathematics and statistics	8,522	478	7	858	212	3	2,084	95	160	4,625
Multidisciplinary and interdisciplinary studies	6,570	717	11	712	443	5	2,574	195	233	1,680
Natural resources and conservation	6,247	689	43	236	202	22	4,112	252	165	526
Physical sciences	2,595	317	12	221	177	1	1,182	73	57	555
Psychology	42,715	8,500	147	2,012	4,849	69	21,505	1,549	2,584	1,500
Social sciences	26,785	3,836	147	1,552	2,933	44	11,930	910	907	4,526
Engineering	25,665	2,025	84	2,707	947	15	8,094	632	579	10,582
Aerospace, aeronautical, and astronautical engineering	907	93	3	106	24	2	492	40	21	126
Architectural, environmental, construction and surveying engineering	1,036	120	3	85	40	0	438	30	22	298
Agricultural engineering	223	13	0	14	5	0	91	8	2	90
Biological, biomedical, and biosystems engineering	2,530	204	2	399	115	2	918	72	62	756
Chemical engineering	913	73	3	104	32	0	293	25	26	357
Civil engineering	3,041	321	15	277	109	4	1,231	76	65	943
Computer engineering	2,802	81	4	270	55	3	219	17	33	2,120
Electrical, electronics, and communications engineering	3,856	207	17	448	77	0	655	78	62	2,312
Engineering mechanics, physics, and science	237	11	2	30	14	0	76	4	1	99
Industrial and manufacturing engineering	1,398	192	1	99	51	0	381	25	14	635
Mechanical engineering	2,708	286	11	290	79	1	1,115	99	82	745
Metallurgical, mining, materials and related engineering fields	826	49	3	81	37	1	338	32	21	264
Nuclear engineering	89	10	0	6	1	0	42	3	2	25
Petroleum engineering	81	5	0	5	4	0	18	2	2	45

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Systems engineering and operations research	2,079	162	8	210	113	1	707	50	79	749
Engineering nec	2,939	198	12	283	191	1	1,080	71	85	1,018
Male	213,066	17,927	479	18,856	10,295	242	77,047	4,798	6,720	76,702
Science	143,605	12,340	358	12,878	8,101	187	52,154	3,275	5,121	49,191
Agricultural and veterinary sciences	2,512	247	11	84	102	6	1,434	50	58	520
Biological and biomedical sciences	14,444	1,751	43	1,761	1,089	32	6,802	440	570	1,956
Computer and information sciences	68,911	3,672	85	7,617	3,322	62	16,853	1,205	2,025	34,070
Geosciences, atmospheric sciences, and ocean sciences	2,624	234	6	69	69	1	1,791	81	83	290
Mathematics and statistics	12,117	832	15	1,093	323	6	3,829	214	342	5,463
Multidisciplinary and interdisciplinary studies	5,424	511	9	525	311	6	2,192	149	138	1,583
Natural resources and conservation	3,765	339	38	108	133	9	2,499	134	114	391
Physical sciences	3,814	465	12	242	157	6	1,782	104	130	916
Psychology	9,163	1,748	48	471	959	22	4,556	337	684	338
Social sciences	20,831	2,541	91	908	1,636	37	10,416	561	977	3,664
Engineering	69,461	5,587	121	5,978	2,194	55	24,893	1,523	1,599	27,511
Aerospace, aeronautical, and astronautical engineering	4,158	452	9	453	90	6	2,348	149	114	537
Architectural, environmental, construction and surveying engineering	1,342	119	3	64	49	2	509	24	36	536
Agricultural engineering	296	14	1	11	0	0	123	8	1	138
Biological, biomedical, and biosystems engineering	2,662	204	2	396	115	4	1,035	96	56	754
Chemical engineering	1,642	139	4	165	46	0	600	41	34	613
Civil engineering	6,311	636	20	497	211	6	2,426	137	130	2,248
Computer engineering	7,027	379	6	587	169	1	1,288	109	110	4,378
Electrical, electronics, and communications engineering	14,010	1,040	18	1,338	390	6	4,047	260	289	6,622

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Engineering mechanics, physics, and science	545	35	0	51	20	0	249	13	9	168
Industrial and manufacturing engineering	3,886	296	3	185	116	2	897	39	34	2,314
Mechanical engineering	13,010	1,204	17	1,122	294	8	5,043	306	298	4,718
Metallurgical, mining, materials and related engineering fields	1,692	114	5	117	38	1	725	51	28	613
Nuclear engineering	395	33	1	18	11	1	251	11	14	55
Petroleum engineering	347	27	3	9	27	0	77	7	8	189
Systems engineering and operations research	4,586	419	9	425	226	8	2,076	115	205	1,103
Engineering nec	7,552	476	20	540	392	10	3,199	157	233	2,525
All S&E doctoral students	276,912	19,165	679	18,345	10,470	179	102,164	6,769	7,467	111,674
Science	203,988	15,956	598	13,618	8,764	151	82,983	5,446	6,090	70,382
Agricultural and veterinary sciences	4,443	226	12	127	101	1	1,794	76	67	2,039
Biological and biomedical sciences	58,155	5,471	149	5,251	2,520	54	26,409	1,756	1,637	14,908
Computer and information sciences	19,531	497	21	1,409	532	11	4,060	317	522	12,162
Geosciences, atmospheric sciences, and ocean sciences	6,770	497	14	250	144	2	3,370	217	223	2,053
Mathematics and statistics	13,619	669	13	891	207	5	4,383	249	357	6,845
Multidisciplinary and interdisciplinary studies	3,774	291	10	252	227	7	1,616	97	113	1,161
Natural resources and conservation	3,910	276	48	128	184	2	2,008	93	154	1,017
Physical sciences	37,732	2,505	48	2,257	811	13	15,140	859	862	15,237
Psychology	21,447	2,907	100	1,344	1,831	17	11,074	943	841	2,390
Social sciences	34,607	2,617	183	1,709	2,207	39	13,129	839	1,314	12,570
Engineering	72,924	3,209	81	4,727	1,706	28	19,181	1,323	1,377	41,292
Aerospace, aeronautical, and astronautical engineering	2,773	143	5	208	56	3	1,121	87	49	1,101
Architectural, environmental, construction and surveying engineering	1,118	68	2	43	35	1	300	22	22	625
Agricultural engineering	668	27	0	28	17	1	148	15	11	421



Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Biological, biomedical, and biosystems engineering	8,867	645	11	1,083	314	8	3,286	265	261	2,994
Chemical engineering	7,115	317	11	582	126	3	2,267	138	109	3,562
Civil engineering	6,760	236	12	210	133	4	1,309	78	100	4,678
Computer engineering	2,803	57	2	139	56	1	503	32	54	1,959
Electrical, electronics, and communications engineering	14,767	428	5	837	243	1	2,561	156	243	10,293
Engineering mechanics, physics, and science	1,457	65	2	106	27	1	432	33	24	767
Industrial and manufacturing engineering	2,322	66	4	83	74	0	416	16	38	1,625
Mechanical engineering	11,540	565	11	606	230	2	3,009	207	221	6,689
Metallurgical, mining, materials and related engineering fields	4,904	301	8	351	97	1	1,539	116	69	2,422
Nuclear engineering	1,032	69	0	51	22	0	509	32	33	316
Petroleum engineering	598	7	0	14	12	0	55	3	11	496
Systems engineering and operations research	1,599	47	2	110	62	1	484	40	56	797
Engineering nec	4,601	168	6	276	202	1	1,242	83	76	2,547
Female	121,581	9,836	378	8,775	6,116	102	48,671	3,589	3,450	40,664
Science	100,683	8,792	352	7,172	5,470	89	42,932	3,103	3,008	29,765
Agricultural and veterinary sciences	2,475	136	5	74	62	0	1,062	46	38	1,052
Biological and biomedical sciences	33,430	3,096	82	2,983	1,601	34	15,243	1,069	897	8,425
Computer and information sciences	5,395	137	5	472	217	3	998	98	161	3,304
Geosciences, atmospheric sciences, and ocean sciences	3,350	276	10	149	84	2	1,772	138	103	816
Mathematics and statistics	4,083	174	5	275	71	3	1,199	73	99	2,184
Multidisciplinary and interdisciplinary studies	2,043	174	4	146	148	5	885	59	60	562
Natural resources and conservation	2,197	180	32	76	114	1	1,149	62	86	497
Physical sciences	13,485	929	11	956	393	6	5,368	331	289	5,202

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Psychology	16,143	2,160	79	1,023	1,435	14	8,340	724	633	1,735
Social sciences	18,082	1,530	119	1,018	1,345	21	6,916	503	642	5,988
Engineering	20,898	1,044	26	1,603	646	13	5,739	486	442	10,899
Aerospace, aeronautical, and astronautical engineering	558	26	1	42	14	1	242	20	11	201
Architectural, environmental, construction and surveying engineering	533	35	0	25	21	0	158	17	8	269
Agricultural engineering	268	16	0	6	10	1	74	5	7	149
Biological, biomedical, and biosystems engineering	4,012	307	6	484	168	3	1,485	143	117	1,299
Chemical engineering	2,448	120	4	215	55	1	741	46	40	1,226
Civil engineering	2,235	115	2	86	51	2	553	34	41	1,351
Computer engineering	596	7	0	34	13	1	83	10	12	436
Electrical, electronics, and communications engineering	3,048	74	1	194	62	0	416	46	62	2,193
Engineering mechanics, physics, and science	383	17	2	39	11	1	102	8	10	193
Industrial and manufacturing engineering	802	23	1	25	35	0	139	10	17	552
Mechanical engineering	2,355	129	1	172	67	1	664	59	51	1,211
Metallurgical, mining, materials and related engineering fields	1,529	94	3	137	35	1	481	42	24	712
Nuclear engineering	215	14	0	11	8	0	96	3	10	73
Petroleum engineering	130	2	0	3	2	0	9	0	4	110
Systems engineering and operations research	459	16	1	38	17	0	114	15	9	249
Engineering nec	1,327	49	4	92	77	1	382	28	19	675
Male	155,331	9,329	301	9,570	4,354	77	53,493	3,180	4,017	71,010
Science	103,305	7,164	246	6,446	3,294	62	40,051	2,343	3,082	40,617
Agricultural and veterinary sciences	1,968	90	7	53	39	1	732	30	29	987
Biological and biomedical sciences	24,725	2,375	67	2,268	919	20	11,166	687	740	6,483

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Computer and information sciences	14,136	360	16	937	315	8	3,062	219	361	8,858
Geosciences, atmospheric sciences, and ocean sciences	3,420	221	4	101	60	0	1,598	79	120	1,237
Mathematics and statistics	9,536	495	8	616	136	2	3,184	176	258	4,661
Multidisciplinary and interdisciplinary studies	1,731	117	6	106	79	2	731	38	53	599
Natural resources and conservation	1,713	96	16	52	70	1	859	31	68	520
Physical sciences	24,247	1,576	37	1,301	418	7	9,772	528	573	10,035
Psychology	5,304	747	21	321	396	3	2,734	219	208	655
Social sciences	16,525	1,087	64	691	862	18	6,213	336	672	6,582
Engineering	52,026	2,165	55	3,124	1,060	15	13,442	837	935	30,393
Aerospace, aeronautical, and astronautical engineering	2,215	117	4	166	42	2	879	67	38	900
Architectural, environmental, construction and surveying engineering	585	33	2	18	14	1	142	5	14	356
Agricultural engineering	400	11	0	22	7	0	74	10	4	272
Biological, biomedical, and biosystems engineering	4,855	338	5	599	146	5	1,801	122	144	1,695
Chemical engineering	4,667	197	7	367	71	2	1,526	92	69	2,336
Civil engineering	4,525	121	10	124	82	2	756	44	59	3,327
Computer engineering	2,207	50	2	105	43	0	420	22	42	1,523
Electrical, electronics, and communications engineering	11,719	354	4	643	181	1	2,145	110	181	8,100
Engineering mechanics, physics, and science	1,074	48	0	67	16	0	330	25	14	574
Industrial and manufacturing engineering	1,520	43	3	58	39	0	277	6	21	1,073
Mechanical engineering	9,185	436	10	434	163	1	2,345	148	170	5,478
Metallurgical, mining, materials and related engineering fields	3,375	207	5	214	62	0	1,058	74	45	1,710
Nuclear engineering	817	55	0	40	14	0	413	29	23	243

**Table 3-1****S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021**

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Petroleum engineering	468	5	0	11	10	0	46	3	7	386
Systems engineering and operations research	1,140	31	1	72	45	1	370	25	47	548
Engineering nec	3,274	119	2	184	125	0	860	55	57	1,872

nec = not elsewhere classified; S&E = science and engineering.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.

Table 3-2

## Enrollment status of S&amp;E graduate students, by field, degree, and sex: 2021

(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
All S&E graduate students	677,834	489,060	188,774	309,437	224,512	84,925	368,397	264,548	103,849
Science	509,784	366,207	143,577	262,874	189,133	73,741	246,910	177,074	69,836
Agricultural and veterinary sciences	11,244	7,754	3,490	6,764	4,646	2,118	4,480	3,108	1,372
Biological and biomedical sciences	100,883	82,218	18,665	61,714	49,744	11,970	39,169	32,474	6,695
Computer and information sciences	121,730	75,637	46,093	38,683	24,927	13,756	83,047	50,710	32,337
Geosciences, atmospheric sciences, and ocean sciences	12,290	9,863	2,427	6,246	5,076	1,170	6,044	4,787	1,257
Mathematics and statistics	34,258	26,522	7,736	12,605	9,550	3,055	21,653	16,972	4,681
Multidisciplinary and interdisciplinary studies	15,768	9,650	6,118	8,613	5,348	3,265	7,155	4,302	2,853
Natural resources and conservation	13,922	9,476	4,446	8,444	5,798	2,646	5,478	3,678	1,800
Physical sciences	44,141	38,847	5,294	16,080	14,037	2,043	28,061	24,810	3,251
Psychology	73,325	47,699	25,626	58,858	38,007	20,851	14,467	9,692	4,775
Social sciences	82,223	58,541	23,682	44,867	32,000	12,867	37,356	26,541	10,815
Engineering	168,050	122,853	45,197	46,563	35,379	11,184	121,487	87,474	34,013
Aerospace, aeronautical, and astronautical engineering	7,838	5,161	2,677	1,465	960	505	6,373	4,201	2,172
Architectural, environmental, construction and surveying engineering	3,496	2,362	1,134	1,569	1,067	502	1,927	1,295	632
Agricultural engineering	1,187	907	280	491	364	127	696	543	153
Biological, biomedical, and biosystems engineering	14,059	12,066	1,993	6,542	5,651	891	7,517	6,415	1,102
Chemical engineering	9,670	8,579	1,091	3,361	2,997	364	6,309	5,582	727
Civil engineering	16,112	11,856	4,256	5,276	4,028	1,248	10,836	7,828	3,008
Computer engineering	12,632	9,557	3,075	3,398	2,694	704	9,234	6,863	2,371
Electrical, electronics, and communications engineering	32,633	24,187	8,446	6,904	5,367	1,537	25,729	18,820	6,909
Engineering mechanics, physics, and science	2,239	1,867	372	620	536	84	1,619	1,331	288
Industrial and manufacturing engineering	7,606	5,290	2,316	2,200	1,522	678	5,406	3,768	1,638
Mechanical engineering	27,258	20,236	7,022	5,063	3,849	1,214	22,195	16,387	5,808
Metallurgical, mining, materials and related engineering fields	7,422	6,171	1,251	2,355	1,964	391	5,067	4,207	860
Nuclear engineering	1,516	1,192	324	304	248	56	1,212	944	268
Petroleum engineering	1,026	837	189	211	171	40	815	666	149
Systems engineering and operations research	8,264	4,048	4,216	2,538	1,384	1,154	5,726	2,664	3,062
Engineering nec	15,092	8,537	6,555	4,266	2,577	1,689	10,826	5,960	4,866
All S&E master's students	400,922	243,509	157,413	187,856	116,349	71,507	213,066	127,160	85,906
Science	305,796	184,719	121,077	162,191	99,762	62,429	143,605	84,957	58,648
Agricultural and veterinary sciences	6,801	4,034	2,767	4,289	2,555	1,734	2,512	1,479	1,033
Biological and biomedical sciences	42,728	27,949	14,779	28,284	18,534	9,750	14,444	9,415	5,029
Computer and information sciences	102,199	58,913	43,286	33,288	20,276	13,012	68,911	38,637	30,274
Geosciences, atmospheric sciences, and ocean sciences	5,520	3,731	1,789	2,896	1,991	905	2,624	1,740	884

Table 3-2

## Enrollment status of S&amp;E graduate students, by field, degree, and sex: 2021

(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
Mathematics and statistics	20,639	14,157	6,482	8,522	5,880	2,642	12,117	8,277	3,840
Multidisciplinary and interdisciplinary studies	11,994	6,602	5,392	6,570	3,651	2,919	5,424	2,951	2,473
Natural resources and conservation	10,012	6,343	3,669	6,247	4,023	2,224	3,765	2,320	1,445
Physical sciences	6,409	3,834	2,575	2,595	1,530	1,065	3,814	2,304	1,510
Psychology	51,878	30,052	21,826	42,715	24,674	18,041	9,163	5,378	3,785
Social sciences	47,616	29,104	18,512	26,785	16,648	10,137	20,831	12,456	8,375
Engineering	95,126	58,790	36,336	25,665	16,587	9,078	69,461	42,203	27,258
Aerospace, aeronautical, and astronautical engineering	5,065	2,755	2,310	907	475	432	4,158	2,280	1,878
Architectural, environmental, construction and surveying engineering	2,378	1,422	956	1,036	614	422	1,342	808	534
Agricultural engineering	519	317	202	223	133	90	296	184	112
Biological, biomedical, and biosystems engineering	5,192	3,900	1,292	2,530	1,916	614	2,662	1,984	678
Chemical engineering	2,555	1,761	794	913	633	280	1,642	1,128	514
Civil engineering	9,352	6,004	3,348	3,041	2,043	998	6,311	3,961	2,350
Computer engineering	9,829	7,161	2,668	2,802	2,173	629	7,027	4,988	2,039
Electrical, electronics, and communications engineering	17,866	11,379	6,487	3,856	2,656	1,200	14,010	8,723	5,287
Engineering mechanics, physics, and science	782	535	247	237	178	59	545	357	188
Industrial and manufacturing engineering	5,284	3,424	1,860	1,398	865	533	3,886	2,559	1,327
Mechanical engineering	15,718	9,930	5,788	2,708	1,685	1,023	13,010	8,245	4,765
Metallurgical, mining, materials and related engineering fields	2,518	1,662	856	826	546	280	1,692	1,116	576
Nuclear engineering	484	327	157	89	61	28	395	266	129
Petroleum engineering	428	292	136	81	57	24	347	235	112
Systems engineering and operations research	6,665	2,883	3,782	2,079	1,024	1,055	4,586	1,859	2,727
Engineering nec	10,491	5,038	5,453	2,939	1,528	1,411	7,552	3,510	4,042
All S&E doctoral students	276,912	245,551	31,361	121,581	108,163	13,418	155,331	137,388	17,943
Science	203,988	181,488	22,500	100,683	89,371	11,312	103,305	92,117	11,188
Agricultural and veterinary sciences	4,443	3,720	723	2,475	2,091	384	1,968	1,629	339
Biological and biomedical sciences	58,155	54,269	3,886	33,430	31,210	2,220	24,725	23,059	1,666
Computer and information sciences	19,531	16,724	2,807	5,395	4,651	744	14,136	12,073	2,063
Geosciences, atmospheric sciences, and ocean sciences	6,770	6,132	638	3,350	3,085	265	3,420	3,047	373
Mathematics and statistics	13,619	12,365	1,254	4,083	3,670	413	9,536	8,695	841
Multidisciplinary and interdisciplinary studies	3,774	3,048	726	2,043	1,697	346	1,731	1,351	380
Natural resources and conservation	3,910	3,133	777	2,197	1,775	422	1,713	1,358	355
Physical sciences	37,732	35,013	2,719	13,485	12,507	978	24,247	22,506	1,741
Psychology	21,447	17,647	3,800	16,143	13,333	2,810	5,304	4,314	990
Social sciences	34,607	29,437	5,170	18,082	15,352	2,730	16,525	14,085	2,440

**Table 3-2****Enrollment status of S&E graduate students, by field, degree, and sex: 2021**

(Number)

Field and degree	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
Engineering	72,924	64,063	8,861	20,898	18,792	2,106	52,026	45,271	6,755
Aerospace, aeronautical, and astronautical engineering	2,773	2,406	367	558	485	73	2,215	1,921	294
Architectural, environmental, construction and surveying engineering	1,118	940	178	533	453	80	585	487	98
Agricultural engineering	668	590	78	268	231	37	400	359	41
Biological, biomedical, and biosystems engineering	8,867	8,166	701	4,012	3,735	277	4,855	4,431	424
Chemical engineering	7,115	6,818	297	2,448	2,364	84	4,667	4,454	213
Civil engineering	6,760	5,852	908	2,235	1,985	250	4,525	3,867	658
Computer engineering	2,803	2,396	407	596	521	75	2,207	1,875	332
Electrical, electronics, and communications engineering	14,767	12,808	1,959	3,048	2,711	337	11,719	10,097	1,622
Engineering mechanics, physics, and science	1,457	1,332	125	383	358	25	1,074	974	100
Industrial and manufacturing engineering	2,322	1,866	456	802	657	145	1,520	1,209	311
Mechanical engineering	11,540	10,306	1,234	2,355	2,164	191	9,185	8,142	1,043
Metallurgical, mining, materials and related engineering fields	4,904	4,509	395	1,529	1,418	111	3,375	3,091	284
Nuclear engineering	1,032	865	167	215	187	28	817	678	139
Petroleum engineering	598	545	53	130	114	16	468	431	37
Systems engineering and operations research	1,599	1,165	434	459	360	99	1,140	805	335
Engineering nec	4,601	3,499	1,102	1,327	1,049	278	3,274	2,450	824

nec = not elsewhere classified; S&amp;E = science and engineering.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.

**Table 3-3****Full-time S&E graduate students primarily supported by the federal government, by enrollment level, field, and sex: 2021**

(Percent)

Enrollment level and field	Male	Female
<b>Master's students</b>		
Agricultural and biological sciences and natural resources	8.5	7.8
Engineering	7.1	6.4
Mathematics and computer sciences	2.9	1.8
Multidisciplinary and interdisciplinary studies	5.2	3.3
Physical and earth sciences	13.4	14.2
Social and behavioral sciences	5.4	3.4
<b>Doctoral students</b>		
Agricultural and biological sciences and natural resources	35.1	33.9
Engineering	33.2	33.2
Mathematics and computer sciences	21.0	19.2
Multidisciplinary and interdisciplinary studies	16.5	15.7
Physical and earth sciences	32.0	29.8
Social and behavioral sciences	6.7	9.2

S&amp;E = science and engineering.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.



## Technical Notes

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### Data sources

#### Current Population Survey Annual Social and Economic Supplement

The Current Population Survey (CPS) is a monthly household survey sponsored jointly by the Census Bureau and the Bureau of Labor Statistics. The CPS is the primary source of labor force statistics for the population of the United States. Additional information about the CPS is available at <https://www.census.gov/programs-surveys/cps.html>.

The Annual Social and Economic Supplement (ASEC) is conducted annually in the months of February, March, and April. In addition to the usual monthly labor force data, this supplement provides information on work experience, income, noncash benefits, and migration of persons ages 15 years and older. Additional information about the CPS ASEC is available at <https://www.census.gov/data/datasets/time-series/demo/cps/cps-asec.html>.

The CPS estimates presented in this report were derived from the 2011, 2019, and 2021 ASEC supplements. Estimates that do not meet minimum unweighted sample size requirements or that exceed established coefficient of variation thresholds are not included in the analysis. Excluded groups are indicated in the figure or table notes.

#### **STEM occupations**

Occupations in the CPS are classified using the Standard Occupational Classification (SOC) system (see <https://www.bls.gov/soc/>). Because the CPS data used here spans 10 years, the occupation codes are based on two SOC systems: (1) the 2010 SOC for the 2011 and 2019 ASEC and (2) the 2018 SOC for the 2021 ASEC. The occupation codes from the two systems were combined into a single list and then grouped into (1) science, technology, engineering, and mathematics (STEM) occupations including S&E, S&E-related, and middle-skill occupations and (2) non-STEM occupations (see [table A-1](#)). For additional information, see Appendix B in the CPS ASEC Technical Documentation at <https://www.census.gov/data/datasets/time-series/demo/cps/cps-asec.html>.

Table A-1

**STEM occupation codes**

(Value)

Occupation	Census occupation code
STEM	S&E occupations: 0700, 1005, 1006, 1007, 1020, 1021, 1022, 1030, 1031, 1032, 1050, 1060, 1065, 1105, 1106, 1107, 1108, 1210, 1220, 1230, 1240, 1320, 1330, 1340, 1350, 1360, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1500, 1510, 1520, 1530, 1600, 1610, 1640, 1650, 1660, 1700, 1710, 1720, 1740, 1745, 1750, 1760, 1800, 1815, 1820, 1821, 1822, 1825, 1830, 1840, 1860, 4930
	S&E-related occupations: 0110, 0300, 0350, 0360, 1010, 1200, 1300, 1305, 1306, 1310, 1540, 1541, 1545, 1550, 1551, 1555, 1560, 1900, 1910, 1920, 1930, 1935, 1940, 1950, 1965, 1970, 1980, 3000, 3010, 3030, 3040, 3050, 3060, 3065, 3070, 3090, 3100, 3110, 3120, 3140, 3150, 3160, 3200, 3210, 3220, 3230, 3235, 3245, 3250, 3255, 3256, 3257, 3258, 3260, 3261, 3270, 3300, 3310, 3320, 3321, 3322, 3323, 3324, 3330, 3400, 3401, 3402, 3420, 3421, 3422, 3423, 3424, 3430, 3500, 3510, 3515, 3520, 3535, 3545, 3540, 3550
	Middle-skill occupations: 0140, 0205, 0810, 0930, 2840, 2900, 2905, 2910, 2920, 3740, 4000, 6200, 6210, 6220, 6230, 6330, 6355, 6360, 6440, 6441, 6442, 6515, 6530, 6540, 6660, 6700, 6800, 6820, 6825, 7000, 7010, 7020, 7030, 7040, 7100, 7120, 7130, 7140, 7200, 7210, 7220, 7240, 7300, 7315, 7330, 7340, 7350, 7360, 7420, 7430, 7540, 7560, 7600, 7630, 7640, 7700, 7730, 7740, 7810, 7900, 7905, 8030, 8130, 8250, 8610, 8620, 8640, 8910, 8990, 9410, 9650
Non-STEM	0010, 0020, 0030, 0040, 0050, 0051, 0052, 0060, 0100, 0101, 0102, 0120, 0135, 0136, 0137, 0150, 0160, 0220, 0230, 0310, 0325, 0330, 0335, 0340, 0400, 0410, 0420, 0425, 0426, 0430, 0440, 0500, 0510, 0520, 0530, 0540, 0565, 0600, 0630, 0640, 0650, 0705, 0710, 0725, 0726, 0735, 0740, 0750, 0800, 0820, 0830, 0840, 0845, 0850, 0860, 0900, 0910, 0940, 0950, 0960, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2025, 2040, 2050, 2060, 2100, 2105, 2110, 2145, 2160, 2170, 2180, 2200, 2205, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2400, 2430, 2435, 2440, 2540, 2545, 2550, 2555, 2600, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2640, 2700, 2710, 2720, 2721, 2722, 2723, 2740, 2750, 2751, 2752, 2755, 2760, 2770, 2800, 2805, 2810, 2825, 2830, 2850, 2860, 2861, 2862, 2865, 2960, 2970, 3600, 3601, 3602, 3603, 3605, 3610, 3620, 3630, 3640, 3645, 3646, 3647, 3648, 3649, 3655, 3700, 3710, 3720, 3725, 3730, 3735, 3750, 3800, 3801, 3802, 3820, 3830, 3840, 3850, 3860, 3870, 3900, 3910, 3930, 3940, 3945, 3946, 3955, 3960, 4010, 4020, 4030, 4040, 4050, 4055, 4060, 4110, 4120, 4130, 4140, 4150, 4160, 4200, 4210, 4220, 4230, 4240, 4250, 4251, 4252, 4255, 4300, 4320, 4330, 4340, 4350, 4400, 4410, 4420, 4430, 4435, 4460, 4461, 4465, 4500, 4510, 4520, 4521, 4522, 4525, 4530, 4540, 4600, 4610, 4620, 4621, 4622, 4640, 4650, 4655, 4700, 4710, 4720, 4740, 4750, 4760, 4800, 4810, 4820, 4830, 4840, 4850, 4900, 4920, 4940, 4950, 4965, 5000, 5010, 5020, 5030, 5040, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5165, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5400, 5410, 5420, 5500, 5510, 5520, 5521, 5522, 5530, 5540, 5550, 5560, 5600, 5610, 5620, 5630, 5700, 5710, 5720, 5730, 5740, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5900, 5910, 5920, 5940, 6005, 6010, 6020, 6040, 6050, 6100, 6110, 6115, 6120, 6130, 6240, 6250, 6260, 6300, 6305, 6310, 6320, 6400, 6410, 6420, 6430, 6460, 6500, 6520, 6600, 6710, 6720, 6730, 6740, 6750, 6765, 6821, 6830, 6835, 6840, 6850, 6910, 6920, 6930, 6940, 6950, 7050, 7110, 7150, 7160, 7260, 7320, 7410, 7440, 7510, 7520, 7550, 7610, 7710, 7720, 7750, 7800, 7830, 7840, 7850, 7855, 7920, 7925, 7930, 7940, 7950, 7960, 8000, 8010, 8020, 8025, 8040, 8060, 8100, 8120, 8140, 8150, 8160, 8200, 8210, 8220, 8225, 8255, 8256, 8300, 8310, 8320, 8330, 8335, 8340, 8350, 8360, 8365, 8400, 8410, 8420, 8430, 8440, 8450, 8460, 8465, 8500, 8510, 8520, 8530, 8540, 8550, 8555, 8600, 8630, 8650, 8710, 8720, 8730, 8740, 8750, 8760, 8800, 8810, 8830, 8840, 8850, 8860, 8865, 8900, 8920, 8930, 8940, 8950, 8965, 9000, 9005, 9030, 9040, 9050, 9110, 9120, 9121, 9122, 9130, 9140, 9141, 9142, 9150, 9200, 9210, 9230, 9240, 9260, 9265, 9300, 9310, 9330, 9340, 9350, 9360, 9365, 9415, 9420, 9430, 9500, 9510, 9520, 9560, 9570, 9600, 9610, 9620, 9630, 9640, 9645, 9720, 9730, 9740, 9750, 9760
Not in universe	-1, 9800, 9810, 9820, 9825, 9830, 9840, 9920

STEM = science, technology, engineering, and mathematics.

**Source(s):**

National Center for Science and Engineering Statistics, analysis (2022) of Census Bureau occupation codes from the 2011, 2019, and 2021 Current Population Survey.

**Median wage and salary earnings**

In this report, median wage and salary earnings were calculated for those who were employed and had positive earnings during the survey year and who worked in the previous year. Although current employment status and occupation refer to the year of the survey, wage and salary refer to earnings during the previous calendar year. Wage and salary earnings for the previous year refer to those from the job held longest during the preceding year. The medians exclude (1) the currently employed who were unemployed in the previous year and (2) the currently unemployed. For more information, see the Glossary in [CPS ASEC Technical Documentation](#).

## Unemployment

In the CPS, the civilian labor force includes all noninstitutionalized civilians ages 16 years or older who are either employed or unemployed and excludes the institutionalized population (those residing in nursing homes and mental health facilities and in prison), active-duty military personnel, full-time college students who are not working for pay, and others not in the labor force (for example, retirees or stay-at-home parents).

The unemployment rate represents the number of persons unemployed as a percentage of the civilian labor force ages 16 years old and over. The unemployment rate refers to the respondents' status in the labor force for the survey year.

## National Survey of College Graduates

The National Survey of College Graduates (NSCG) is a biennially conducted survey of individuals with at least a bachelor's degree, under the age of 76, and living in the United States at the time of the survey. In this report, data from the 2021 NSCG for respondents employed in S&E, S&E-related, or non-S&E occupations were evaluated. Part-time employment and involuntarily employed part-time were assessed based on status at the time of the survey. Additional information on the NSCG is available at <https://www.nsf.gov/statistics/srvygrads/>.

## Integrated Postsecondary Education Data System Survey

The Integrated Postsecondary Education Data System (IPEDS) is a set of interrelated surveys of postsecondary institutions that participate in federal student financial aid programs authorized by Title IV of the Higher Education Act of 1965. The annual surveys are conducted by the U.S. Department of Education's National Center for Education Statistics (NCES). Because the data in IPEDS come from all eligible institutions, there are no sampling errors. Additional information about IPEDS is available at <https://nces.ed.gov/ipeds/>.

This report uses data from the IPEDS Completions Surveys from 2011–21 to provide information about degrees awarded at the associate through doctoral levels. The IPEDS Completions Survey collects data on the level and field of degree awards, as well as the sex, citizenship, and race and ethnicity of the degree recipient. Sex is available for all degree recipients, but race and ethnicity are available only for U.S. citizens and permanent residents. For race and ethnicity analysis using the IPEDS data, degree recipients holding temporary U.S. visas are excluded. The reported number and share of degrees earned by each racial and ethnic group are derived from U.S. citizens and permanent residents. Disability status is not included in the survey.

NCES categorizes fields of degree in IPEDS according to Classification of Instructional Programs (CIP) codes. NCSES maps the CIP fields of degrees into a set of broad and detailed fields of study spanning S&E and non-S&E disciplines. This report uses the same classification system for IPEDS fields of degree as prior *Women, Minorities, and Persons with Disabilities* and *Science and Engineering Indicators* reports, which differs from the NCSES Taxonomy of Disciplines (TOD) implemented in NCSES surveys. Degree data from the IPEDS Completions Survey are available through the [NCSES Table Builder](#).

## Survey of Graduate Students and Postdoctorates in Science and Engineering

The Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) is an annual census of all U.S. academic institutions granting research-based master's degrees or doctorates in science, engineering, and selected health fields as of the fall of the survey year. The survey collects the total number of master's and doctoral students, postdoctoral appointees, and doctorate-level nonfaculty researchers by demographic and other characteristics, such as source of financial support. Additional information about the GSS is available at <https://www.nsf.gov/statistics/srvygradpostdoc/>.

Data on race and ethnicity are available only for U.S. citizens and permanent residents. For race and ethnicity analysis using the GSS data, graduate students holding temporary U.S. visas are excluded. The reported number and share of postsecondary enrollment by each racial and ethnic group are derived from the U.S. citizens and permanent residents. Age and disability status information are not included in the survey. The GSS was redesigned in 2017, and fields of study were changed to align with the NCSSES TOD, thus increasing comparability with other NCSSES surveys. S&E fields presented in the enrollment section that rely on GSS data, therefore, vary from the IPEDS classification used for S&E degree awards. Because the 2017 change in the GSS limits comparability with previous years of the survey when data are disaggregated by S&E field, this report used GSS data from 2017–21. More information about the 2017 changes is available in the “Data Comparability” section of the Technical Notes for [Survey of Graduate Students and Postdoctorates in Science and Engineering: Fall 2017](#).

## Survey of Earned Doctorates

The Survey of Earned Doctorates (SED) is an annual census of all individuals receiving a research doctorate from an accredited U.S. academic institution. The SED collects information on the doctoral recipient’s educational history, demographic characteristics, and postgraduation plans. The data for a given year include all doctorates awarded in the 12-month period ending on 30 June of that year. In this report, 2021 survey data on doctorate recipients reporting at least one disability were used. Additional information about the SED is available from <https://nsf.gov/statistics/srvydoctorates/>.

## Survey of Doctorate Recipients

The Survey of Doctorate Recipients (SDR) is a biennial, longitudinal survey of individuals with a research doctoral degree in a science, engineering, or health field from a U.S. academic institution. Sets of individuals are surveyed from the year of their degree award until age 75. In this report, data from the 2021 survey are provided in the associated data tables. Additional information on the SDR is available at <https://www.nsf.gov/statistics/srvydoctoratework/>.

## Statistical testing of sample survey data

Statistical tests are used to determine whether differences observed in sample survey data are valid differences in the population and not simply due to chance. When this report includes statements about differences based on sample survey data, the differences are statistically significant at the 10% level.

A statistically significant difference is not necessarily large. It is simply a difference that is unlikely to be caused by chance variation in sampling. With a sufficiently large sample, extremely small differences can be statistically significant. Conversely, differences that appear large may not be statistically significant if one or both estimates being compared are based on small samples. Occasionally, large differences are noted in the text as not being statistically significant to alert the reader that these differences may have occurred by chance due to limited sample data.

## Appendix: NCSSES table builder

This report website includes a [Data Tables](#) page with additional data on employment, degrees awarded, and graduate enrollment for women, minorities, and persons with disabilities. NCSSES also publishes a suite of [data tools](#) that allows users to access datasets and build their own tables. The datasets relevant to this report are as follows: SED, GSS, NSCG, SDR, IPEDS Completions Survey, and IPEDS Enrollment Survey.

## Building a table in data explorer: example


For this example, you will be creating a table of doctorate recipients in S&E by broad field, sex, citizenship, and race and ethnicity in 2021.

1. Visit <https://ncesdata.nsf.gov/home>.
2. If needed, click the Menu in the top right corner to view all options. Click the drop-down arrow next to “Build Table” and select “Earned Doctorates.”
3. This is the table builder interface. Notice the left-side panel containing the measures and dimensions offered by this dataset. If the left-side panel is not visible, click on the first button, labeled “Left Rail,” above the table. Measures are the numbers in the body of the table. Dimensions are the ways in which you can filter and categorize these measures.
4. On the left-side panel, click “Graduates, Certificates, and Educational History.” On the slide-out panel that opens, click on “Doctorate Recipients.” Check “By Demographic Characteristics” and click “Add to Table.” The measure is now set to doctorate recipients, and the default column dimension for this measure is “Year.”
5. The data tool will automatically populate data for every survey cycle. To filter for only 2021, click on the “Survey Cycle and Other Technical” dimension on the left-side panel. Then, click on “Year.” On the right side of the pop-up, click “Clear All,” select “2021” in the left selection box, and click the right-facing arrow in the middle of the two boxes. Click “Update.”
6. On the left-side panel under “Dimensions,” click on “Fields of Study,” then on “Academic Discipline - CIP.” A pop-up with a hierarchy of fields of study appears. In the top left of the pop-up, uncheck “New Major Fields (SED-CIP)” and select “Science and engineering” from the selection list in the left box. Your selection and respective subfields will automatically move to the right box. Click add to table as “Row.”
7. On the left-side panel under “Dimensions,” click “Sex,” then click “Sex” in the slide-out panel, uncheck “Unknown sex,” and add to table as “Row.”
8. On the left-side panel under “Dimensions,” click “Race and Ethnicity,” then click “Race and Ethnicity” in the slide-out panel. Make sure all the categories are selected, and add to table as “Row.”
9. Tip: This guide helps you add dimensions in the appropriate order, but at any point you may rearrange the dimensions by dragging and dropping them in the column and row boxes above the table.
10. Tip: Some rows and columns in the table may be preceded by a plus or minus sign, meaning that the given table section can be expanded or collapsed, respectively. Expand all rows and columns (see 11b and c) before exporting (see 11d), otherwise some data may not appear.
11. Want to do more with your table? Above the table, you will find a row of buttons with varied functionality:
  - a. “Left Rail” collapses and expands the left-side panel.
  - b. “+ Rows” expands all of the rows in your table; “- Rows” collapses them.
  - c. “+ Columns” expands all of the columns in your table; “- Columns” collapses them.
  - d. “Export” downloads the currently displayed table as a CSV file.
  - e. “Sort” rearranges the order of dimension categories.
  - f. “Convert to Chart” changes the current table into a chart in the data tool’s chart builder.

Please reference the images below to ensure the above steps have been followed properly.

For questions relating to the NCSES Data Tools, contact: [NCSESdata@nsf.gov](mailto:NCSESdata@nsf.gov).

Screenshot of finished table with some row categories expanded.


**National Center for Science and Engineering Statistics**

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**Add survey data to your table**

Search for topics of interest, or add a measure or dimension to the table using options below. Arrange your table using **Columns** and **Rows** options to the right.

**Measures** Clear Table

Graduates, Certificates, and Educational History (Doctorate recipients) 1

**Dimensions**

Survey Cycle and Other Technical 1

Fields of Study 1

Location

Institution Name

Institution Characteristics

Race and Ethnicity 1

Citizenship

Sex 1

**Survey of Earned Doctorates**

Drag and drop bubbles to rearrange table

Columns Year


Rows Academic Discipline - CIP X Sex X Race and Ethnicity X

Customized Table Data Summary

Left Rail
Rows
Columns
Export
Sort
Convert to Chart

	2021
Science and engineering	41,347
Agricultural sciences and natural resources	1,223
Biological and biomedical sciences	8,258
Computer and information sciences	2,195
Engineering	9,561
Geosciences, atmospheric/ ocean sciences	1,044
Health sciences	2,582
Mathematics and statistics	1,915
Multi/ interdisciplinary sciences	1,298
Physical sciences	4,809
Psychology	3,716
Social sciences	4,746

Screenshot of finished table with all rows collapsed.


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**Add survey data to your table**

Search for topics of interest, or add a measure or dimension to the table using options below. Arrange your table using **Columns** and **Rows** options to the right.

**Measures** Clear Table

Graduates, Certificates, and Educational History (Doctorate recipients) 1

**Dimensions**

Survey Cycle and Other Technical 1

Fields of Study 1

Location

Institution Name

Institution Characteristics

Race and Ethnicity 1

Citizenship

Sex 1

**Survey of Earned Doctorates**

Drag and drop bubbles to rearrange table

Columns Year

Rows Academic Discipline - CIP X Sex X Race and Ethnicity X

Customized Table Data Summary

Left Rail
Rows
Columns
Export
Sort
Convert to Chart

	2021
<ul style="list-style-type: none"> <li><span style="color: #0056b3; font-weight: bold;">Science and engineering</span> 41,347</li> </ul>	41,347

## Additional Resources

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Find additional resources and materials related to *Diversity and STEM: Women, Minorities, and Persons with Disabilities 2023* from the National Center for Science and Engineering Statistics.

### Report Executive Summary

Download the "[Executive Summary](#)" from *Diversity and STEM* for a brief overview and takeaways from the report.

### Report Highlights

Download [graphical highlights of key findings](#) from *Diversity and STEM*.

### Press Release

Read "[NSF's NCSSES releases report on diversity trends in STEM workforce and education](#)," the National Science Foundation news story announcing the release of *Diversity and STEM*.

## FAQs

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### About this report

#### What is this report?

*Diversity and STEM: Women, Minorities, and Persons with Disabilities* represents the federal government's most comprehensive collection of data on diversity trends in science, technology, engineering, and mathematics (STEM). The purpose of the report is to provide statistical information about three groups—women, minorities, and persons with disabilities—who have been historically underrepresented in STEM. As mandated by the Science and Engineering Equal Opportunities Act ([Public Law 96-516](#)), the National Science Foundation through the National Center for Science and Engineering Statistics (NCSES) publishes this report every 2 years to assess the current state of diversity in STEM employment and science and engineering (S&E) education. The analyses presented are relevant to policymakers, program managers, and researchers interested in the diversity and representation of women, minorities, and persons with disabilities in the U.S. S&E enterprise.

#### Where can I find previous editions of this report?

Previous editions of this report (formerly called *Women, Minorities, and Persons with Disabilities in Science and Engineering*) and related data tables dating back to 1994 may be found by accessing the Prior Releases page. Copies of earlier reports are available upon request by e-mailing [ncsesweb@nsf.gov](mailto:ncsesweb@nsf.gov).

#### How can I download the report and its data tables?

The report, data tables, and additional resources are available on the Downloads page.

#### How can I be notified when new data and analyses are released?

[Sign up](#) to receive e-mail notifications of new NCSES publications and data releases. Your e-mail will be used only for providing notifications.

### About the data

#### What data sources are used in this report?

The report highlights key statistics drawn from several data sources, including the following:

- Census Bureau's [Current Population Survey \(CPS\) Annual Social and Economic Supplement](#) (2011, 2019, and 2021)
- NCSES's [National Survey of College Graduates \(NSCG\)](#) (2021)
- NCSES's [Survey of Earned Doctorates \(SED\)](#) (2021)
- NCSES's [Survey of Doctorate Recipients \(SDR\)](#) (2021) (only presented in the tables)
- National Center for Education Statistics' [Integrated Postsecondary Education Data System \(IPEDS\)](#) (2011–20)
- NCSES's [Survey of Graduate Students and Postdoctorates in Science and Engineering \(GSS\)](#) (2017–21)

#### How can I access the source data for this report?

NCSES [public use data files](#) are microdata files and documentation available for public use and do not contain any individually identifiable information. Public use data files relevant to this report are available for the [NSCG](#), [SDR](#), and [GSS](#).



Under certain conditions, restricted use microdata files require a license agreement with NCSES. The datasets with restricted use files relevant to this report are the NSCG, SDR, and SED. For information on how to obtain a restricted use data license from NCSES, see the [Restricted Use Data Licensing](#) page.

NCSES also publishes a suite of [data tools](#) that allow users to access datasets and build their own tables. The datasets relevant to this report are the SED, GSS, NSCG, SDR, IPEDS Completions Survey, and IPEDS Enrollment Survey. See [“Appendix: NCSES Table Builder”](#) for an example of how to create a table using the table builder option.

Visit the Census Bureau’s website to access and download the CPS [Annual Social and Economic Supplement](#) microdata files.

## About the populations covered

### How is race and ethnicity defined in this report?

See the report sidebar Defining Race and Ethnicity.

### What does underrepresented minorities mean?

Underrepresented minorities include individuals of races or ethnicities whose representation in STEM employment and S&E education is smaller than their representation in the U.S. population. This includes Blacks or African Americans, Hispanics or Latinos, and American Indians or Alaska Natives.

### How does this report define “persons with disabilities”?

See the report sidebar Defining Persons with at Least One Disability.

### Does this report include information on sexual orientation and gender identity?

*Diversity and STEM* does not include information on sexual orientation and gender identity (SOGI) in STEM. NCSES does not currently collect data on these variables. However, NCSES is currently exploring the inclusion of SOGI questions on its education and workforce surveys. This exploration will shed light on the feasibility of collecting reliable data on sexual orientation and gender minorities educated or employed in S&E fields. The goal is to appropriately balance the agency’s mission and programmatic goals while ensuring data quality, reducing respondent burden, protecting confidentiality, and meeting data user needs. For a detailed discussion about these efforts, see NCSES’s [Frequently Asked Questions on SOGI Efforts](#).

## About STEM occupations and fields

### How is the STEM workforce defined in this report?

This report uses the definition of the STEM labor force outlined in [The STEM Labor Force of Today: Scientists, Engineers, and Skilled Technical Workers](#) and [Workforce Statistics](#) (infographic). This new definition includes workers in S&E, S&E-related, and middle-skill occupations (see sidebar The STEM Workforce of the United States and the report “Glossary” for definitions).

### What jobs are classified as “STEM occupations”?

See the [Technical Notes](#) page.

## What is the difference between S&E and S&E-related occupations?

S&E occupations typically require a bachelor's degree for entry and employ workers from five major categories: (1) computer and mathematical scientists; (2) biological, agricultural, and environmental life scientists; (3) physical scientists; (4) social scientists; and (5) engineers. S&E-related occupations require STEM skills and expertise, but workers in these occupations do not fall into the five main S&E categories. The main occupational categories and positions that make up this group include health care workers, S&E managers, S&E precollege teachers, and technologists and technicians.

## What is the skilled technical workforce?

The skilled technical workforce includes workers in S&E, S&E-related, and middle-skill occupations who do not have a bachelor's degree or higher.

## What is the distinction between the skilled technical workforce and middle-skill occupations?

The skilled technical workforce includes workers in S&E, S&E-related, and middle-skill occupations who do not have a bachelor's degree or higher. As a subset of STEM occupations, middle-skill occupations require high levels of STEM skills and expertise but do not typically require a bachelor's degree for entry; however, workers with a bachelor's degree or above may be employed in these occupations. These positions are primarily in the areas of construction trades, installation, maintenance, repair, and production.

## Contact Us

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