

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

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(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

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(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

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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

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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

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(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

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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

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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

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	Hispanic or Latino <sup>a</sup>	25	30	44	39	42	37	51	38	36	48
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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



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	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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



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	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
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

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	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
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

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	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
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

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	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.