

TABLE 13

## Doctorate recipients, by fine field of study: 2008–17

(Number)

Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
All fields	48,777	49,552	48,029	48,911	50,944	52,704	53,992	54,901	54,862	54,664
Life sciences	11,086	11,403	11,319	11,535	11,964	12,208	12,484	12,499	12,554	12,592
Agricultural sciences and natural resources	1,198	1,283	1,100	1,206	1,255	1,324	1,338	1,434	1,381	1,606
Agricultural economics	111	116	118	106	88	107	96	101	113	144
Agricultural and horticultural plant breeding	28	24	31	23	31	21	39	43	61	54
Agricultural animal breeding	3	12	7	7	6	8	na	na	na	na
Agronomy and crop science	68	77	69	54	73	86	80	81	82	102
Animal nutrition	41	34	34	48	57	54	50	40	42	27
Animal science, poultry or avian	18	17	12	25	22	23	25	31	21	24
Animal sciences, other	77	74	54	69	75	85	103	90	83	105
Environmental science	182	201	155	195	182	204	213	182	193	222
Fishing and fisheries sciences and management	52	67	34	59	51	53	52	60	47	69
Food science	96	110	100	73	108	105	93	125	123	125
Food science and technology, other	41	30	37	39	35	48	39	47	40	52
Forest sciences and biology	32	43	23	26	25	19	22	37	15	89
Forest management, forest resources management	44	52	41	34	29	44	28	36	35	26
Forestry, other	17	26	17	35	29	26	20	22	29	38
Horticulture science	50	55	42	48	40	41	51	50	32	42
Natural resource and environmental policy	na	na	na	na	na	na	35	56	68	54
Natural resources and conservation	78	84	88	100	99	92	70	87	72	63
Natural resources and environmental economics (agricultural sciences)	na	na	na	na	31	22	28	39	23	26
Plant pathology and phytopathology, agricultural	59	61	56	53	71	74	74	57	73	108
Plant sciences, other	39	60	49	51	77	67	78	95	52	62
Soil chemistry, microbiology	25	18	20	34	15	16	20	17	23	43
Soil sciences, other	67	49	39	39	37	51	45	54	38	52
Wildlife, range management	55	34	48	50	39	41	29	32	14	19
Wood science, pulp and paper technology	2	17	8	15	16	8	4	15	8	12
Agricultural sciences and natural resources, general <sup>a</sup>	8	8	2	9	8	9	25	21	73	34
Agricultural sciences and natural resources, other <sup>b</sup>	5	14	16	14	11	20	19	16	21	14
Biological and biomedical sciences	7,797	8,025	8,046	8,152	8,322	8,355	8,868	8,788	8,873	8,477
Anatomy	25	15	25	25	23	15	15	24	21	9
Bacteriology	22	20	24	22	23	28	25	22	18	13
Biochemistry (biological sciences)	899	858	861	867	847	827	820	749	832	815
Bioinformatics	147	175	123	140	145	166	183	174	194	183
Biomedical sciences	268	300	287	311	366	401	438	417	330	341
Biometrics and biostatistics	122	115	127	137	174	145	165	171	198	216
Biophysics (biological sciences)	167	195	171	192	193	179	186	181	165	208
Biotechnology	32	26	22	33	54	39	45	38	36	33
Botany and plant biology	105	113	110	110	110	91	93	97	112	100
Cancer biology	289	273	300	396	381	379	455	454	437	364
Cell, cellular biology, and histology	376	354	361	379	376	318	335	321	259	234
Computational biology	na	na	69	65	94	115	117	107	134	147
Developmental biology and embryology	185	185	193	205	174	197	198	187	162	130
Ecology	439	456	431	404	415	468	449	453	482	432
Endocrinology	22	33	23	32	26	39	26	22	11	21
Entomology	119	131	122	113	120	118	112	109	127	129
Environmental toxicology <sup>c</sup>	na	na	39	30	45	33	49	35	45	64
Epidemiology <sup>d</sup>	na	na	na	na	na	na	292	378	343	351
Evolutionary biology	178	215	214	213	203	209	215	210	200	224
Genetics, genomics, human and animal	413	364	383	374	334	396	401	359	339	345
Immunology	424	434	452	449	455	471	456	471	399	401

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Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Microbiology	538	586	490	462	451	455	463	480	466	410
Molecular biology	786	763	697	716	620	646	670	632	549	624
Molecular medicine	na	na	na	na	na	na	na	na	25	67
Neurosciences, neurobiology <sup>e</sup>	883	983	954	958	1,053	1,016	1,048	1,091	997	985
Nutrition sciences	176	174	180	163	183	177	175	184	204	215
Parasitology	23	24	37	26	29	26	26	31	20	16
Pathology, human and animal	105	106	79	83	95	95	99	88	49	69
Pharmacology, human and animal	281	343	290	301	308	286	292	243	208	236
Physiology, human and animal	241	244	258	226	254	210	208	210	166	165
Plant genetics	47	48	52	45	41	37	48	57	67	49
Plant pathology and phytopathology (biological sciences)	29	26	19	18	25	21	29	20	13	11
Plant physiology	26	13	28	15	19	25	17	18	13	16
Structural biology	na	na	53	71	57	67	59	64	47	55
Toxicology	137	120	99	96	101	99	117	104	85	81
Virology	na	na	134	178	162	162	163	164	142	109
Wildlife biology	na	na	na	na	na	na	36	47	47	62
Zoology	61	79	72	65	51	40	32	46	38	44
Biological and biomedical sciences, general	150	173	184	168	223	256	245	258	770	391
Biological and biomedical sciences, other	82	81	83	64	92	103	66	72	123	112
Health sciences	2,091	2,095	2,173	2,177	2,387	2,529	2,278	2,277	2,300	2,509
Environmental health	69	42	66	56	67	70	77	79	76	84
Environmental toxicology <sup>c</sup>	43	37	na	na	na	na	na	na	na	na
Epidemiology <sup>d</sup>	305	273	324	314	365	353	na	na	na	na
Gerontology (health sciences)	na	na	10	15	14	13	14	13	25	22
Health and behavior	na	na	na	na	na	na	88	125	119	82
Health services research	na	na	na	na	na	na	na	na	120	164
Health systems administration	70	70	75	84	51	89	89	70	41	39
Kinesiology, exercise science <sup>f</sup>	212	211	215	198	228	214	249	264	232	276
Medical physics, radiological science	na	na	61	74	80	93	103	84	94	89
Nursing science	504	511	482	523	552	510	580	536	482	552
Oral biology, oral pathology	na	na	15	22	15	20	15	19	23	33
Pharmaceutical sciences <sup>g</sup>	277	277	274	271	295	332	279	270	274	292
Public health	229	299	295	266	349	431	400	437	379	446
Rehabilitation, therapeutic services	89	80	61	60	80	85	83	86	108	86
Speech-language pathology and audiology	112	121	100	110	119	110	114	117	116	128
Veterinary sciences	54	60	57	60	59	67	42	56	49	51
Health sciences, general	31	35	37	41	37	62	39	36	93	67
Health sciences, other	96	79	101	83	76	80	106	85	69	98
Physical sciences and earth sciences	4,946	5,160	4,995	5,271	5,419	5,584	5,911	5,918	6,252	6,081
Chemistry	2,246	2,391	2,304	2,432	2,416	2,484	2,673	2,668	2,704	2,697
Analytical chemistry	371	364	402	391	370	417	415	388	393	367
Chemical biology	na	na	na	na	na	na	na	na	120	142
Inorganic chemistry	301	331	294	320	307	297	372	354	343	339
Medicinal chemistry <sup>h</sup>	na	na	na	na	na	na	86	79	72	69
Organic chemistry	640	684	599	663	667	643	605	626	565	523
Physical chemistry	331	319	360	390	360	355	340	366	379	332
Polymer chemistry	106	119	126	123	125	125	127	135	151	152
Theoretical chemistry	80	86	86	69	78	74	103	111	88	85
Chemistry, general	271	298	269	289	290	364	416	399	412	539
Chemistry, other	146	190	168	187	219	209	209	210	181	149
Geosciences, atmospheric sciences, and ocean sciences	865	877	862	852	941	989	1,099	1,057	1,227	1,165

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Atmospheric science and meteorology	188	167	170	178	205	205	200	213	245	243
Atmospheric chemistry and climatology	49	30	39	43	50	49	42	36	41	55
Atmospheric physics and dynamics	59	43	45	40	51	43	51	59	58	30
Meteorology	23	14	15	29	18	18	32	30	20	15
Atmospheric science and meteorology, general	40	55	47	47	61	77	55	62	108	107
Atmospheric science and meteorology, other	17	25	24	19	25	18	20	26	18	36
Geological sciences	458	492	463	451	462	489	579	554	618	576
Geochemistry	78	78	74	70	68	73	85	94	81	69
Geology	141	140	128	124	112	126	130	135	127	124
Geomorphology, glacial geology	12	22	28	23	16	32	25	27	24	22
Geophysics and seismology	116	102	94	95	95	113	151	123	138	124
Mineralogy and petrology	16	12	13	19	19	16	15	21	6	9
Paleontology	26	31	31	38	41	31	38	30	30	27
Stratigraphy and sedimentation	10	18	18	16	16	22	15	17	12	12
Geological and earth sciences, general	25	31	36	26	34	33	60	55	155	138
Geological and earth sciences, other	34	58	41	40	61	43	60	52	45	51
Ocean and marine sciences	219	218	229	223	274	295	320	290	364	346
Hydrology and water resources	45	38	47	48	52	51	63	76	130	97
Marine biology and biological oceanography	na	na	na	na	100	111	111	85	90	111
Marine sciences	75	79	79	69	36	26	41	42	54	53
Oceanography, chemical and physical	83	81	87	90	70	92	89	67	79	70
Ocean and marine sciences, other	16	20	16	16	16	15	16	20	11	15
Physics and astronomy	1,835	1,892	1,829	1,987	2,062	2,111	2,139	2,193	2,321	2,219
Astronomy and astrophysics	249	262	266	287	274	301	289	269	315	336
Astronomy	101	97	102	88	88	103	112	86	95	121
Astrophysics	148	165	155	185	175	184	171	174	211	211
Astronomy and astrophysics, other	na	na	9	14	11	14	6	9	9	4
Physics	1,586	1,630	1,563	1,700	1,788	1,810	1,850	1,924	2,006	1,883
Acoustics	15	21	15	20	10	22	20	19	17	16
Applied physics	137	133	143	144	138	180	157	146	229	178
Atomic, molecular, chemical physics	119	104	105	125	116	118	121	125	137	125
Biophysics (physics)	119	104	123	132	130	133	131	127	138	134
Condensed matter, low-temperature physics	397	401	379	383	390	413	389	439	350	343
Elementary particle physics	210	218	196	229	282	272	244	242	231	354
Nuclear physics	62	74	86	81	92	75	103	86	92	103
Optics, photonics	148	164	145	165	165	174	194	216	225	197
Plasma, high-temperature physics	59	58	50	83	66	71	83	88	79	65
Polymer physics	43	25	18	20	19	32	44	26	43	32
Physics, general	159	211	213	189	241	192	230	285	356	248
Physics, other	118	117	90	129	139	128	134	125	109	88
Mathematics and computer sciences	3,187	3,163	3,223	3,273	3,496	3,660	3,862	3,818	3,956	3,843
Computer and information sciences	1,787	1,610	1,633	1,667	1,793	1,843	1,988	2,003	2,084	1,987
Computer science	1,499	1,361	1,356	1,393	1,482	1,568	1,664	1,658	1,651	1,587
Information science, systems	181	140	158	165	173	152	152	158	174	162
Computer and information sciences, general	na	na	na	na	na	na	94	117	161	123
Computer and information sciences, other	107	109	119	109	138	123	78	70	98	115
Mathematics and statistics	1,400	1,553	1,590	1,606	1,703	1,817	1,874	1,815	1,872	1,856
Algebra	124	139	150	152	149	151	174	146	83	103
Analysis and functional analysis	112	130	143	145	134	159	137	161	97	78
Applied mathematics	360	382	401	432	462	455	476	435	474	477
Computing theory and practice	26	16	16	20	14	22	19	24	15	20
Geometry, geometric analysis	100	89	104	120	112	119	120	108	52	63

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Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Logic	25	38	22	17	15	33	26	21	14	15
Number theory	62	64	71	73	63	79	82	89	48	55
Operations research (mathematics)	27	28	27	27	26	15	28	34	45	34
Statistics (mathematics)	303	353	327	332	365	364	407	381	265	502
Topology and foundations	58	73	84	73	74	78	77	86	41	47
Mathematics and statistics, general	140	173	163	143	192	234	235	243	686	394
Mathematics and statistics, other	63	68	82	72	97	108	93	87	52	68
Psychology and social sciences	7,635	7,945	7,883	8,221	8,498	8,580	8,751	9,078	9,060	9,079
Psychology	3,357	3,472	3,421	3,576	3,599	3,592	3,724	3,776	3,931	3,960
Behavioral analysis	na	na	na	na	44	54	51	63	65	51
Clinical psychology	1,142	1,201	1,151	1,229	1,228	1,140	1,220	1,172	1,217	1,149
Cognitive neuroscience	na	na	na	na	na	na	na	na	161	199
Cognitive psychology and psycholinguistics	181	189	220	204	199	219	201	221	165	121
Community psychology	na	na	na	na	na	na	na	na	34	38
Comparative psychology	9	9	na	na	na	na	na	na	na	na
Counseling	422	422	408	427	392	425	378	417	315	317
Developmental and child psychology	197	182	191	218	205	227	245	190	236	201
Educational psychology (psychology)	69	73	70	62	67	60	65	60	108	139
Experimental psychology	137	145	142	147	134	141	143	144	144	159
Family psychology	42	34	45	33	41	33	41	55	12	5
Health, medical psychology	na	na	na	na	46	65	80	102	53	62
Human development and family studies	121	146	145	145	136	138	141	134	191	206
Industrial and organizational psychology	215	196	207	200	222	214	203	221	217	191
Marriage and family therapy, counseling	na	na	na	na	na	na	na	na	77	74
Neuropsychology, physiological psychology <sup>i</sup>	81	87	82	77	101	112	122	130	69	42
Personality psychology	18	19	22	23	20	15	21	21	23	16
Psychometrics and quantitative psychology	23	29	36	35	34	44	33	48	49	51
School psychology (psychology)	132	122	107	110	118	114	110	116	128	372
Social psychology	204	226	210	228	246	211	242	220	219	213
Psychology, general	198	209	185	228	220	229	275	290	298	140
Psychology, other	166	183	200	210	146	151	153	172	150	214
Social sciences	4,278	4,473	4,462	4,645	4,899	4,988	5,027	5,302	5,129	5,119
Anthropology	483	503	507	553	547	550	524	492	460	455
Anthropology, cultural	na	na	na	na	na	na	267	317	290	261
Anthropology, general <sup>l</sup>	483	503	507	553	547	550	185	99	90	110
Anthropology, physical and biological	na	na	na	na	na	na	72	76	80	84
Economics	1,091	1,118	1,073	1,121	1,243	1,183	1,195	1,255	1,236	1,237
Econometrics	36	31	34	28	40	48	46	40	38	23
Natural resources and environmental economics (social sciences)	na	na	na	na	48	49	49	47	59	53
Other economics	1,055	1,087	1,039	1,093	1,155	1,086	1,100	1,168	1,139	1,161
Political science and government	628	682	728	685	724	803	777	859	745	752
Sociology	601	662	639	657	633	636	679	742	615	689
Other social sciences	1,475	1,508	1,515	1,629	1,752	1,816	1,852	1,954	2,073	1,986
American, U.S. studies	121	116	115	132	121	122	121	130	111	97
Applied linguistics	na	na	na	na	na	na	na	na	81	105
Area, ethnic, cultural studies <sup>k</sup>	114	112	111	110	113	98	90	80	189	168
Criminal justice and corrections	74	75	74	80	80	75	80	111	93	108
Criminology	54	61	52	101	86	76	78	105	104	94
Demography and population studies	23	18	13	30	17	27	32	21	37	22
Gender and women's studies	na	na	na	na	na	na	40	34	72	49
Geography	249	209	225	233	270	251	293	301	245	284

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Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Gerontology (social sciences)	na	na	18	27	31	32	28	24	22	29
Health policy analysis	na	na	na	na	41	69	50	81	61	54
International relations, international affairs	82	101	107	113	124	119	105	104	137	149
Linguistics	254	275	240	270	258	285	276	288	237	208
Public policy analysis	196	228	244	223	263	279	277	293	230	240
Statistics (social sciences)	20	17	21	22	19	24	20	22	44	15
Urban, city, community and regional planning	116	92	106	104	121	114	111	128	131	148
Urban studies, affairs	28	33	34	31	34	39	35	31	39	43
Social sciences, general	37	51	48	39	32	55	59	55	99	45
Social sciences, other	107	120	107	114	142	151	157	146	141	128
Engineering	7,864	7,642	7,578	8,032	8,469	9,000	9,627	9,876	9,458	9,843
Aerospace, aeronautical, and astronautical engineering	266	297	252	262	307	348	386	361	370	378
Bioengineering and biomedical engineering	762	834	824	898	943	1,039	1,046	1,126	1,090	1,041
Chemical engineering	873	807	822	823	840	824	973	1,002	921	936
Civil engineering	713	707	643	634	495	542	617	632	563	741
Electrical, electronics, and communications engineering	1,888	1,693	1,778	1,886	1,938	1,897	1,953	1,997	1,822	1,900
Industrial and manufacturing engineering	280	251	215	258	226	241	298	243	256	253
Materials science engineering	636	625	670	662	743	815	832	871	984	958
Mechanical engineering	1,082	1,095	983	1,084	1,220	1,277	1,331	1,466	1,296	1,409
Other engineering	1,364	1,333	1,391	1,525	1,757	2,017	2,191	2,178	2,156	2,227
Agricultural engineering	61	64	58	60	68	75	80	67	62	79
Ceramic sciences engineering	7	5	11	7	5	3	na	na	na	na
Communications engineering	26	26	15	16	24	31	29	30	19	15
Computer engineering	386	380	374	372	406	417	465	410	401	419
Engineering management, administration	39	40	38	37	44	59	44	45	29	55
Engineering mechanics	60	63	46	63	48	70	70	66	101	57
Engineering physics	26	31	31	32	17	34	30	36	24	26
Engineering science	35	42	52	51	45	41	60	72	33	66
Environmental, environmental health engineering <sup>1</sup>	153	120	112	144	214	269	270	282	216	221
Geotechnical and geoenvironmental engineering	na	na	na	na	49	51	72	68	81	75
Metallurgical engineering	22	26	11	30	16	25	24	34	31	25
Mining and mineral engineering	13	14	7	6	14	29	na	na	na	na
Nuclear engineering	99	73	91	107	101	119	156	130	131	159
Ocean engineering	25	29	23	26	21	30	30	36	26	25
Operations research (engineering)	80	79	85	83	90	119	117	88	130	114
Petroleum engineering	44	54	51	56	67	92	107	104	99	86
Polymer, plastics engineering	49	60	57	71	67	61	63	80	60	90
Robotics	na	na	31	46	50	59	80	82	120	98
Structural engineering	na	na	66	69	81	81	101	125	117	103
Systems engineering	80	67	68	79	82	114	95	105	113	121
Transportation and highway engineering	na	na	na	na	76	80	101	106	109	84
Engineering, general	43	44	36	36	43	24	40	42	108	51
Engineering, other	116	116	128	134	129	134	157	170	146	258
Education	6,561	6,528	5,287	4,670	4,803	4,934	4,789	5,098	5,146	4,823
Education administration	2,238	2,146	1,439	924	1,057	965	893	920	823	1,023
Educational administration and supervision	665	585	320	217	219	187	170	169	148	176
Educational and human resource studies, development	na	na	na	na	78	93	62	68	62	172
Educational leadership	1,573	1,561	1,029	649	673	601	605	620	554	591
Urban education and leadership	na	na	90	58	87	84	56	63	59	84
Education research	2,640	2,663	2,443	2,438	2,569	2,703	2,560	2,772	2,384	2,405
Counseling education, counseling and guidance	208	233	211	223	223	257	229	292	277	269
Curriculum and instruction	744	782	617	590	583	586	552	585	380	514

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Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Educational and instructional media design	177	150	121	133	30	17	18	30	26	19
Educational and instructional technology	na	na	na	na	164	241	192	201	224	233
Educational assessment, testing, measurement	73	89	65	73	57	63	53	65	66	41
Educational policy analysis	na	na	122	151	157	171	152	168	173	127
Educational psychology (education)	306	326	269	287	302	283	261	286	221	229
Educational statistics, research methods	66	60	68	79	70	84	74	92	76	83
Higher education evaluation and research	578	512	420	384	448	435	446	519	449	434
International education	na	na	65	60	52	65	70	55	56	45
School psychology (education)	103	116	132	128	117	131	145	132	117	107
Social and philosophical foundations of education	122	124	92	100	98	84	92	90	63	66
Special education	263	271	261	230	268	286	276	257	256	238
Teacher education	274	332	245	204	156	109	152	156	180	112
Adult and continuing teacher education	118	138	91	64	49	23	53	39	64	29
Elementary teacher education	63	66	48	45	40	26	36	37	36	29
Pre-elementary, early childhood teacher education	60	80	58	52	29	35	29	47	51	33
Secondary teacher education	33	48	48	43	38	25	34	33	29	21
Teaching fields	912	906	799	805	757	892	915	953	1,166	908
Agricultural education	33	29	34	28	30	27	25	30	36	33
Art education	44	46	35	48	36	30	42	42	37	35
Bilingual and multilingual education	na	na	na	na	35	50	30	27	52	38
Business education	14	13	na	na	na	na	na	na	na	na
English as a second or foreign language	na	na	na	na	na	na	58	94	70	56
English education	71	51	61	64	32	35	31	33	39	34
Family, consumer, and human sciences	31	19	23	24	10	19	20	24	16	8
Foreign languages education	68	57	60	55	60	54	39	31	39	26
Health education	61	53	45	49	35	52	43	53	70	65
Literacy and reading education <sup>m</sup>	121	118	83	80	124	126	127	123	137	139
Mathematics education	127	161	144	142	114	138	142	133	182	146
Music education	76	68	83	86	69	91	104	114	87	75
Nursing education	23	13	30	23	18	33	30	32	74	53
Physical education and coaching	50	34	34	43	38	44	35	36	38	22
Science education	94	119	96	93	110	114	112	122	133	101
Social science education	22	21	21	27	20	22	16	24	28	19
Teacher education and professional development, other <sup>n</sup>	64	76	50	43	26	57	61	35	128	58
Trade and industrial education	13	28	na	na	na	na	na	na	na	na
Other education	497	481	361	299	264	265	269	297	593	375
Workforce education and development	na	na	na	na	na	na	32	36	36	60
Education, general	239	209	152	122	121	128	135	140	369	145
Education, other	258	272	209	177	143	137	102	121	188	170
Humanities and arts	4,736	4,904	5,015	5,226	5,561	5,715	5,524	5,594	5,480	5,290
Foreign languages and literature	627	598	601	644	684	701	674	656	599	624
Arabic language and literature	7	5	14	8	12	9	14	6	5	8
Chinese language and literature	22	35	41	29	20	37	17	28	17	29
French language and literature	120	114	110	114	122	140	139	137	107	92
Germanic language and literature	80	70	64	71	90	74	84	72	67	72
Italian language and literature	31	39	35	38	50	44	39	40	34	45
Japanese language and literature	17	18	27	16	20	21	23	21	10	16
Latin American languages and literature	na	na	na	na	57	66	83	79	96	29
Russian language and literature	27	18	23	34	24	30	25	21	14	25
Slavic (other than Russian)	2	10	na	na	na	na	na	na	na	na
Spanish language and literature	244	235	231	247	205	216	181	186	127	182

TABLE 13

## Doctorate recipients, by fine field of study: 2008–17

(Number)

Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Foreign languages and literatures, other	77	54	56	87	84	64	69	66	122	126
History	971	1,045	1,005	1,065	1,086	1,148	1,186	1,146	1,148	1,066
African history	22	29	30	29	38	32	32	30	26	22
American history, United States and Canada	384	432	391	432	440	444	433	412	391	368
Asian history	74	55	59	68	73	85	78	89	73	55
European history	196	214	193	224	186	186	232	198	207	173
History, science and technology and society	48	56	46	47	49	53	78	72	66	160
Latin American history	62	67	65	52	63	77	73	64	77	61
Middle, Near East history	59	61	65	63	60	71	68	82	63	70
History, general	64	64	78	68	93	105	121	108	155	70
History, other	62	67	78	82	84	95	71	91	90	87
Letters	1,420	1,413	1,516	1,513	1,638	1,606	1,551	1,583	1,531	1,465
American literature, United States and Canada	338	327	361	367	409	397	349	334	342	311
Classics	72	77	86	91	101	101	91	94	109	80
Comparative literature	166	179	197	192	201	218	196	165	172	166
Creative writing	73	76	81	84	93	79	87	97	79	84
English language	156	104	146	179	154	92	147	153	127	159
English literature, British and Commonwealth	397	388	419	354	423	399	396	412	414	369
Folklore	13	10	11	10	6	9	17	6		na
Rhetoric and composition	na	na	na	na	154	220	207	238	211	227
Speech and rhetorical studies	126	138	152	165	53	33	29	42	39	42
Letters, general	34	74	22	25	18	26	12	22	23	13
Letters, other	45	40	41	46	26	32	20	20	15	14
Other humanities and arts	1,718	1,848	1,893	2,004	2,153	2,260	2,113	2,209	2,202	2,135
Archaeology (humanities)	47	58	60	87	79	72	105	121	166	126
Art history, criticism, and conservation	208	226	248	242	227	265	263	272	278	247
Bible, biblical studies	79	74	97	103	95	106	86	87	62	85
Dance	na	na	na	na	na	na	na	na	13	11
Drama, theater arts	83	104	104	106	111	120	104	86	74	75
Ethics	na	na	na	na	29	26	29	30	38	30
Film, cinema, video studies	na	na	na	na	62	67	71	67	73	79
Jewish, Judaic studies	na	na	na	na	17	33	27	27	27	28
Music	67	74	66	81	67	88	64	54	59	74
Musicology and ethnomusicology	106	127	135	137	138	128	140	148	127	157
Music performance	60	85	106	93	113	124	77	110	92	90
Music theory and composition	90	99	91	95	95	102	104	108	92	86
Music, other	17	18	18	22	21	29	20	23	19	17
Philosophy	400	422	431	462	497	494	454	463	454	419
Religion, religious studies	333	326	282	312	290	301	292	314	254	310
Theology, religious education	138	129	160	150	184	173	156	172	210	166
Humanities, general	14	49	28	43	16	31	34	27	106	55
Humanities, other	76	57	67	71	112	101	87	100	58	80
Other <sup>o</sup>	2,762	2,807	2,729	2,683	2,734	3,023	3,044	3,020	2,956	3,113
Business management and administration	1,421	1,405	1,366	1,327	1,404	1,551	1,584	1,583	1,509	1,522
Accounting	140	141	148	157	175	168	196	194	178	153
Banking/financial services	4	5	5	1	na	na	na	na	na	na
Business administration and management	204	173	157	146	221	269	243	232	263	273
Business, managerial economics	18	24	29	26	31	24	22	43	26	33
Finance	241	213	210	200	232	260	265	241	251	188
Hospitality, food service and tourism management	na	na	36	59	57	71	65	46	66	76
Human resources development	65	74	70	70	44	44	68	51	30	27
International business, trade, commerce	31	37	25	28	21	33	30	24	24	20

TABLE 13

## Doctorate recipients, by fine field of study: 2008–17

(Number)

Fine field of study	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Management information systems, business statistics	156	136	108	100	103	107	100	102	107	90
Marketing management and research	190	183	157	156	174	191	152	181	140	139
Operations research (business)	78	51	84	70	80	103	91	110	83	66
Organizational behavior	157	167	175	189	163	186	212	189	168	269
Business management and administration, general	60	90	102	67	50	40	68	68	114	107
Business management and administration, other	77	111	60	58	53	55	72	102	59	81
Communication	557	627	638	650	595	645	663	667	672	626
Communication research	104	129	120	125	126	155	149	149	183	111
Communication theory	32	38	34	29	31	30	39	41	63	34
Film, radio, TV and digital communication	62	64	73	77	43	30	35	37	23	34
Mass communication, media studies	175	206	214	212	199	239	251	242	211	231
Communication, general	103	120	119	117	117	107	123	119	143	146
Communication, other	81	70	78	90	79	84	66	79	49	70
Non-S&E fields nec	784	775	725	706	735	827	796	770	760	965
Architecture and environmental design	75	81	81	81	109	101	118	116	99	118
Family, consumer sciences and human sciences	58	59	48	54	50	57	51	47	39	79
Law	88	73	68	57	53	81	76	76	67	86
Library science	31	25	40	35	49	39	39	41	32	47
Parks, sports, recreation, leisure and fitness	76	69	54	63	61	76	67	52	83	49
Public administration	114	129	126	118	132	127	119	121	143	185
Social work	338	333	308	289	280	330	325	307	294	298
Other fields nec	4	6	0	9	1	16	1	10	3	103
Unknown field	0	0	0	0	0	0	1	0	15	0

na = not applicable; the field was not on questionnaire's specialties list for that year.

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

<sup>a</sup> This field was renamed from "Agriculture, general" in 2014.

<sup>b</sup> This field was renamed from "Agricultural sciences, other" in 2014.

<sup>c</sup> This field was moved from "Health sciences" to "Biological and biomedical sciences" in 2010.

<sup>d</sup> This field was moved from "Health sciences" to "Biological and biomedical sciences" in 2014.

<sup>e</sup> This field was renamed from "Neurosciences" in 2012.

<sup>f</sup> This field was renamed from "Kinesiology/Exercise science" in 2012.

<sup>g</sup> This field was renamed from "Medicinal/Pharmaceutical sciences" in 2014.

<sup>h</sup> This field was "Medicinal/pharmaceutical chemistry" through 2006. It was removed from the taxonomy in 2007–13 and was reinstated in 2014 as "Medicinal chemistry."

<sup>i</sup> This field was renamed from "Physiological psychology/Psychobiology" in 2012.

<sup>j</sup> This field was renamed from "Anthropology" in 2014.

<sup>k</sup> This field was renamed from "Area/Ethnic/Cultural/Gender studies" and "Gender studies" was moved to a new field "Gender and women's studies" in 2014.

<sup>l</sup> This field was renamed from "Environmental health engineering" in 2012.

<sup>m</sup> This field was renamed from "Reading education" in 2012.

<sup>n</sup> This field was renamed from "Teacher education and professional development" in 2008.

<sup>o</sup> Includes other non-S&E fields not shown separately.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates.