

TABLE 13

## Doctorate recipients, by fine field of study: 2009–18

(Number)

Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
All fields	49,552	48,028	48,910	50,943	52,703	53,989	54,889	54,798	54,559	55,195
Life sciences	11,403	11,319	11,535	11,964	12,207	12,484	12,493	12,536	12,555	12,780
Agricultural sciences and natural resources	1,283	1,100	1,206	1,255	1,324	1,338	1,434	1,378	1,494	1,445
Agricultural sciences	737	668	669	735	786	793	831	780	906	875
Agricultural economics	116	118	106	88	107	96	101	113	144	108
Agricultural and horticultural plant breeding	24	31	23	31	21	39	43	61	53	67
Agricultural animal breeding	12	7	7	6	8	na	na	na	na	na
Agronomy and crop science	77	69	54	73	86	80	81	82	100	80
Animal nutrition	34	34	48	57	54	50	40	42	27	36
Animal science, poultry or avian	17	12	25	22	23	25	31	21	20	32
Animal sciences, other	74	54	69	75	85	103	90	83	107	121
Food science	110	100	73	108	105	93	125	122	123	112
Food science and technology, other	30	37	39	35	48	39	47	40	49	51
Horticulture science	55	42	48	40	41	51	50	32	42	46
Plant pathology and phytopathology, agricultural	61	56	53	71	74	74	57	73	106	90
Plant sciences, other	60	49	51	77	67	78	95	50	63	66
Soil chemistry, microbiology	18	20	34	15	16	20	17	23	20	16
Soil sciences, other	49	39	39	37	51	45	54	38	52	50
Natural resources and conservation	524	414	514	501	509	501	566	504	536	503
Environmental science	201	155	195	182	204	213	182	193	228	223
Fishing and fisheries sciences and management	67	34	59	51	53	52	60	47	46	51
Forest management, forest resources management	52	41	34	29	44	28	36	35	25	18
Forest sciences and biology	43	23	26	25	19	22	37	15	32	22
Forestry, other	26	17	35	29	26	20	22	29	36	53
Natural resource and environmental policy	na	na	na	na	na	35	56	68	54	51
Natural resources and conservation	84	88	100	99	92	70	87	72	63	47
Natural resources and environmental economics (agricultural sciences)	na	na	na	31	22	28	39	23	21	27
Wildlife, range management	34	48	50	39	41	29	32	14	20	11
Wood science, pulp and paper technology	17	8	15	16	8	4	15	8	11	na
Agricultural sciences and natural resources, general <sup>a</sup>	8	2	9	8	9	25	21	73	38	38
Agricultural sciences and natural resources, other <sup>b</sup>	14	16	14	11	20	19	16	21	14	29
Biological and biomedical sciences	8,025	8,046	8,152	8,322	8,354	8,868	8,783	8,861	8,566	8,801
Anatomy	15	25	25	23	15	15	24	21	8	23
Bacteriology	20	24	22	23	28	25	22	18	12	13
Biochemistry (biological sciences)	858	861	867	847	826	820	749	831	818	811
Bioinformatics	175	123	140	145	166	183	174	193	184	203
Biomedical sciences	300	287	311	366	401	438	416	329	339	421
Biometrics and biostatistics	115	127	137	174	145	165	171	198	216	233
Biophysics (biological sciences)	195	171	192	193	179	186	181	165	181	152
Biotechnology	26	22	33	54	39	45	38	36	37	35
Botany and plant biology	113	110	110	110	91	93	97	111	97	120
Cancer biology	273	300	396	381	379	455	454	436	370	355
Cell, cellular biology, and histology	354	361	379	376	318	335	321	258	230	218
Computational biology	na	69	65	94	115	117	107	134	149	146
Developmental biology and embryology	185	193	205	174	197	198	187	162	133	135
Ecology	456	431	404	415	468	449	453	482	437	418
Endocrinology	33	23	32	26	39	26	22	11	17	21
Entomology	131	122	113	120	118	112	109	127	129	119
Environmental toxicology <sup>c</sup>	na	39	30	45	33	49	34	45	64	56

TABLE 13

## Doctorate recipients, by fine field of study: 2009–18

(Number)

Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Epidemiology <sup>d</sup>	na	na	na	na	na	292	378	343	351	401
Evolutionary biology	215	214	213	203	209	215	210	200	229	242
Genetics, genomics, human and animal	364	383	374	334	396	401	358	338	344	362
Immunology	434	452	449	455	471	456	471	397	402	422
Microbiology	586	490	462	451	455	463	480	465	431	478
Molecular biology	763	697	716	620	646	670	632	549	634	596
Molecular medicine	na	na	na	na	na	na	na	25	66	62
Neurosciences, neurobiology <sup>e</sup>	983	954	958	1,053	1,016	1,048	1,089	996	984	1,037
Nutrition sciences	174	180	163	183	177	175	184	204	215	201
Parasitology	24	37	26	29	26	26	31	20	16	20
Pathology, human and animal	106	79	83	95	95	99	88	49	68	52
Pharmacology, human and animal	343	290	301	308	286	292	243	207	230	210
Physiology, human and animal	244	258	226	254	210	208	210	165	162	202
Plant genetics	48	52	45	41	37	48	57	67	50	72
Plant pathology and phytopathology (biological sciences)	26	19	18	25	21	29	20	13	11	11
Plant physiology	13	28	15	19	25	17	18	13	17	18
Structural biology	na	53	71	57	67	59	64	47	56	51
Toxicology	120	99	96	101	99	117	104	85	77	95
Virology	na	134	178	162	162	163	164	142	115	116
Wildlife biology	na	na	na	na	na	36	47	47	60	62
Zoology	79	72	65	51	40	32	46	38	40	29
Biological and biomedical sciences, general	173	184	168	223	256	245	258	771	469	468
Biological and biomedical sciences, other	81	83	64	92	103	66	72	123	118	115
Health sciences	2,095	2,173	2,177	2,387	2,529	2,278	2,276	2,297	2,495	2,534
Environmental health	42	66	56	67	70	77	79	76	84	83
Environmental toxicology <sup>c</sup>	37	na	na	na	na	na	na	na	na	na
Epidemiology <sup>d</sup>	273	324	314	365	353	na	na	na	na	na
Gerontology (health sciences)	na	10	15	14	13	14	13	25	19	15
Health and behavior	na	na	na	na	na	88	125	119	84	60
Health services research	na	na	na	na	na	na	na	120	164	138
Health systems administration	70	75	84	51	89	89	70	41	36	22
Kinesiology, exercise science <sup>f</sup>	211	215	198	228	214	249	264	231	267	268
Medical physics, radiological science	na	61	74	80	93	103	84	94	92	74
Nursing science	511	482	523	552	510	580	536	482	552	585
Oral biology, oral pathology	na	15	22	15	20	15	19	23	33	24
Pharmaceutical sciences <sup>g</sup>	277	274	271	295	332	279	270	274	292	345
Public health	299	295	266	349	431	400	437	379	439	421
Rehabilitation, therapeutic services	80	61	60	80	85	83	86	108	90	125
Speech-language pathology and audiology	121	100	110	119	110	114	117	116	128	112
Veterinary sciences	60	57	60	59	67	42	56	49	50	57
Health sciences, general	35	37	41	37	62	39	36	93	65	72
Health sciences, other	79	101	83	76	80	106	84	67	100	133
Physical sciences and earth sciences	5,160	4,995	5,271	5,419	5,584	5,910	5,917	6,251	6,084	6,335
Chemistry	2,391	2,304	2,432	2,416	2,484	2,673	2,667	2,703	2,701	2,810
Analytical chemistry	364	402	391	370	417	415	388	393	387	401
Chemical biology	na	na	na	na	na	na	na	120	150	160
Inorganic chemistry	331	294	320	307	297	372	354	343	354	358
Medicinal chemistry <sup>h</sup>	na	na	na	na	na	86	79	72	70	86

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Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Organic chemistry	684	599	663	667	643	605	625	565	552	574
Physical chemistry	319	360	390	360	355	340	366	379	343	398
Polymer chemistry	119	126	123	125	125	127	135	151	160	132
Theoretical chemistry	86	86	69	78	74	103	111	88	88	106
Chemistry, general	298	269	289	290	364	416	399	411	433	430
Chemistry, other	190	168	187	219	209	209	210	181	164	165
Geosciences, atmospheric sciences, and ocean sciences	877	862	852	941	989	1,098	1,057	1,227	1,169	1,185
Atmospheric science and meteorology	167	170	178	205	205	200	213	245	248	265
Atmospheric chemistry and climatology	30	39	43	50	49	42	36	41	62	50
Atmospheric physics and dynamics	43	45	40	51	43	51	59	58	30	48
Meteorology	14	15	29	18	18	32	30	20	17	19
Atmospheric science and meteorology, general	55	47	47	61	77	55	62	108	105	123
Atmospheric science and meteorology, other	25	24	19	25	18	20	26	18	34	25
Geological sciences	492	463	451	462	489	579	554	618	572	591
Geochemistry	78	74	70	68	73	85	94	81	67	61
Geology	140	128	124	112	126	130	135	127	118	132
Geomorphology, glacial geology	22	28	23	16	32	25	27	24	22	18
Geophysics and seismology	102	94	95	95	113	151	123	138	124	129
Mineralogy and petrology	12	13	19	19	16	15	21	6	9	9
Paleontology	31	31	38	41	31	38	30	30	29	30
Stratigraphy and sedimentation	18	18	16	16	22	15	17	12	12	14
Geological and earth sciences, general	31	36	26	34	33	60	55	155	139	125
Geological and earth sciences, other	58	41	40	61	43	60	52	45	52	73
Ocean and marine sciences	218	229	223	274	295	319	290	364	349	329
Hydrology and water resources	38	47	48	52	51	63	76	130	99	107
Marine biology and biological oceanography	na	na	na	100	111	110	85	90	112	73
Marine sciences	79	79	69	36	26	41	42	54	53	56
Oceanography, chemical and physical	81	87	90	70	92	89	67	79	70	81
Ocean and marine sciences, other	20	16	16	16	15	16	20	11	15	12
Physics and astronomy	1,892	1,829	1,987	2,062	2,111	2,139	2,193	2,321	2,214	2,340
Astronomy and astrophysics	262	266	287	274	301	289	269	315	339	352
Astronomy	97	102	88	88	103	112	86	95	119	138
Astrophysics	165	155	185	175	184	171	174	211	216	204
Astronomy and astrophysics, other	na	9	14	11	14	6	9	9	4	10
Physics	1,630	1,563	1,700	1,788	1,810	1,850	1,924	2,006	1,875	1,988
Acoustics	21	15	20	10	22	20	19	17	16	19
Applied physics	133	143	144	138	180	157	146	229	171	200
Atomic, molecular, chemical physics	104	105	125	116	118	121	125	137	126	121
Biophysics (physics)	104	123	132	130	133	131	127	138	138	146
Condensed matter, low-temperature physics	401	379	383	390	413	389	439	350	354	443
Elementary particle physics	218	196	229	282	272	244	242	231	234	232
Nuclear physics	74	86	81	92	75	103	86	92	109	93
Optics, photonics	164	145	165	165	174	194	216	225	201	176
Plasma, high-temperature physics	58	50	83	66	71	83	88	79	69	60
Polymer physics	25	18	20	19	32	44	26	43	33	29
Physics, general	211	213	189	241	192	230	285	356	330	340
Physics, other	117	90	129	139	128	134	125	109	94	129
Mathematics and computer sciences	3,163	3,223	3,273	3,496	3,660	3,862	3,818	3,954	3,842	4,030
Computer and information sciences	1,610	1,633	1,667	1,793	1,843	1,988	2,003	2,082	1,998	2,004
Computer science	1,361	1,356	1,393	1,482	1,568	1,664	1,658	1,650	1,592	1,631

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Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Information science, systems	140	158	165	173	152	152	158	173	160	122
Computer and information sciences, general	na	na	na	na	na	94	117	161	123	141
Computer and information sciences, other	109	119	109	138	123	78	70	98	123	110
Mathematics and statistics	1,553	1,590	1,606	1,703	1,817	1,874	1,815	1,872	1,844	2,026
Algebra	139	150	152	149	151	174	146	83	109	107
Analysis and functional analysis	130	143	145	134	159	137	161	97	85	100
Applied mathematics	382	401	432	462	455	476	435	474	493	457
Computational mathematics	na	na	na	na	na	na	na	na	na	92
Computing theory and practice	16	16	20	14	22	19	24	15	19	8
Geometry, geometric analysis	89	104	120	112	119	120	108	52	63	79
Logic	38	22	17	15	33	26	21	14	15	19
Number theory	64	71	73	63	79	82	89	48	54	62
Operations research (mathematics)	28	27	27	26	15	28	34	45	34	45
Statistics (mathematics)	353	327	332	365	364	407	381	265	368	413
Topology and foundations	73	84	73	74	78	77	86	41	47	58
Mathematics and statistics, general	173	163	143	192	234	235	243	686	493	520
Mathematics and statistics, other	68	82	72	97	108	93	87	52	64	66
Psychology and social sciences	7,945	7,882	8,221	8,498	8,580	8,751	9,075	9,035	9,036	8,899
Psychology	3,472	3,420	3,576	3,599	3,592	3,724	3,775	3,910	3,926	3,837
Behavioral analysis	na	na	na	44	54	51	63	65	53	63
Clinical psychology	1,201	1,151	1,229	1,228	1,140	1,220	1,172	1,207	1,193	1,267
Cognitive neuroscience	na	na	na	na	na	na	na	161	208	199
Cognitive psychology and psycholinguistics	189	220	204	199	219	201	221	165	127	143
Community psychology	na	na	na	na	na	na	na	34	42	44
Comparative psychology	9	na	na	na	na	na	na	na	na	na
Counseling	422	408	427	392	425	378	417	310	319	290
Developmental and child psychology	182	191	218	205	227	245	190	236	207	163
Educational psychology (psychology)	73	70	62	67	60	65	60	108	118	116
Experimental psychology	145	142	147	134	141	143	144	144	159	137
Family psychology	34	45	33	41	33	41	55	12	5	2
Health, medical psychology	na	na	na	46	65	80	102	53	65	80
Human development and family studies	146	145	145	136	138	141	134	191	206	141
Industrial and organizational psychology	196	207	200	222	214	203	221	217	196	195
Marriage and family therapy, counseling	na	na	na	na	na	na	na	77	75	69
Neuropsychology, physiological psychology <sup>1</sup>	87	82	77	101	112	122	130	69	47	40
Personality psychology	19	22	23	20	15	21	21	23	16	13
Psychometrics and quantitative psychology	29	36	35	34	44	33	48	49	51	42
School psychology (psychology)	122	107	110	118	114	110	116	125	146	148
Social psychology	226	210	228	246	211	242	220	219	219	218
Psychology, general	209	185	228	220	229	275	289	295	265	251
Psychology, other	183	199	210	146	151	153	172	150	209	216
Social sciences	4,473	4,462	4,645	4,899	4,988	5,027	5,300	5,125	5,110	5,062
Anthropology	503	507	553	547	550	523	492	460	446	424
Anthropology, cultural	na	na	na	na	na	267	317	290	272	276
Anthropology, general <sup>1</sup>	503	507	553	547	550	184	99	90	89	53
Anthropology, physical and biological	na	na	na	na	na	72	76	80	85	95
Economics	1,118	1,073	1,121	1,243	1,183	1,196	1,255	1,235	1,239	1,247
Econometrics	31	34	28	40	48	46	40	38	26	28
Natural resources and environmental economics (social sciences)	na	na	na	48	49	49	47	59	56	58

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(Number)

Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Other economics <sup>k</sup>	1,087	1,039	1,093	1,155	1,086	1,101	1,168	1,138	1,157	1,161
Political science and government	682	728	685	724	803	777	859	745	743	734
Sociology	662	639	657	633	636	679	742	613	683	669
Other social sciences	1,508	1,515	1,629	1,752	1,816	1,852	1,952	2,072	1,999	1,988
American, U.S. studies	116	115	132	121	122	121	130	111	98	68
Applied linguistics	na	na	na	na	na	na	na	81	106	70
Archaeology (social sciences)	na	na	na	na	na	na	na	na	na	119
Area, ethnic, cultural studies <sup>l</sup>	112	111	110	113	98	90	80	188	175	133
Criminal justice and corrections	75	74	80	80	75	80	111	93	110	87
Criminology	61	52	101	86	76	78	103	104	94	96
Demography and population studies	18	13	30	17	27	32	21	37	22	31
Gender and women's studies	na	na	na	na	na	40	34	72	49	48
Geography	209	225	233	270	251	293	301	246	279	242
Gerontology (social sciences)	na	18	27	31	32	28	24	22	31	23
Health policy analysis	na	na	na	41	69	50	81	61	55	58
History, science and technology and society <sup>m</sup>	na	na	na	na	na	na	na	na	na	55
International relations, international affairs	101	107	113	124	119	105	104	137	154	135
Linguistics	275	240	270	258	285	276	288	236	208	249
Public policy analysis	228	244	223	263	279	277	293	230	239	264
Statistics (social sciences)	17	21	22	19	24	20	22	44	15	21
Urban, city, community and regional planning	92	106	104	121	114	111	128	131	149	102
Urban studies, affairs	33	34	31	34	39	35	31	39	41	35
Social sciences, general	51	48	39	32	55	59	55	99	48	41
Social sciences, other	120	107	114	142	151	157	146	141	126	111
Engineering	7,642	7,578	8,032	8,469	9,000	9,626	9,875	9,458	9,777	10,183
Aerospace, aeronautical, and astronautical engineering	297	252	262	307	348	386	361	370	379	383
Bioengineering and biomedical engineering	834	824	898	943	1,039	1,046	1,125	1,089	1,032	1,134
Chemical engineering	807	822	823	840	824	973	1,002	921	931	981
Civil engineering	707	643	634	495	542	617	632	564	713	677
Electrical, electronics, and communications engineering	1,693	1,778	1,886	1,938	1,897	1,952	1,997	1,822	1,880	1,951
Industrial and manufacturing engineering	251	215	258	226	241	298	243	256	249	272
Materials science engineering	625	670	662	743	815	832	871	984	937	995
Mechanical engineering	1,095	983	1,084	1,220	1,277	1,331	1,466	1,297	1,399	1,504
Other engineering	1,333	1,391	1,525	1,757	2,017	2,191	2,178	2,155	2,257	2,286
Agricultural engineering	64	58	60	68	75	80	67	62	79	84
Ceramic sciences engineering	5	11	7	5	3	na	na	na	na	na
Communications engineering	26	15	16	24	31	29	30	19	16	14
Computer engineering	380	374	372	406	417	465	410	401	423	436
Engineering management, administration	40	38	37	44	59	44	45	29	54	36
Engineering mechanics	63	46	63	48	70	70	66	101	61	71
Engineering physics	31	31	32	17	34	30	36	24	27	38
Engineering science	42	52	51	45	41	60	72	33	65	58
Environmental, environmental health engineering <sup>n</sup>	120	112	144	214	269	270	282	216	240	247
Geotechnical and geoenvironmental engineering	na	na	na	49	51	72	68	81	75	65
Metallurgical engineering	26	11	30	16	25	24	34	31	25	26
Mining and mineral engineering	14	7	6	14	29	na	na	na	na	na
Nuclear engineering	73	91	107	101	119	156	130	131	156	178
Ocean engineering	29	23	26	21	30	30	36	26	25	24
Operations research (engineering)	79	85	83	90	119	117	88	130	115	107
Petroleum engineering	54	51	56	67	92	107	104	99	85	134

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Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Polymer, plastics engineering	60	57	71	67	61	63	80	60	90	54
Robotics	na	31	46	50	59	80	82	120	98	108
Structural engineering	na	66	69	81	81	101	125	117	103	95
Systems engineering	67	68	79	82	114	95	105	113	121	113
Transportation and highway engineering	na	na	na	76	80	101	106	109	85	96
Engineering, general	44	36	36	43	24	40	42	107	60	73
Engineering, other	116	128	134	129	134	157	170	146	254	229
Education	6,528	5,287	4,670	4,802	4,934	4,789	5,098	5,143	4,826	4,834
Education administration	2,146	1,439	924	1,057	965	893	920	823	922	898
Educational administration and supervision	585	320	217	219	187	170	169	148	184	168
Educational and human resource studies, development	na	na	na	78	93	62	68	61	71	47
Educational leadership	1,561	1,029	649	673	601	605	620	555	595	619
Urban education and leadership	na	90	58	87	84	56	63	59	72	64
Education research	2,663	2,443	2,438	2,568	2,703	2,560	2,772	2,383	2,418	2,507
Counseling education, counseling and guidance	233	211	223	223	257	229	292	275	273	281
Curriculum and instruction	782	617	590	583	586	552	585	380	502	533
Educational and instructional media design	150	121	133	30	17	18	30	26	19	15
Educational and instructional technology	na	na	na	163	241	192	201	224	233	200
Educational assessment, testing, measurement	89	65	73	57	63	53	65	66	42	57
Educational policy analysis	na	122	151	157	171	152	168	173	128	142
Educational psychology (education)	326	269	287	302	283	261	286	221	233	210
Educational statistics, research methods	60	68	79	70	84	74	92	76	83	95
Higher education evaluation and research	512	420	384	448	435	446	519	449	438	394
International education	na	65	60	52	65	70	55	56	45	43
Learning sciences	na	na	na	na	na	na	na	na	na	73
School psychology (education)	116	132	128	117	131	145	132	117	120	116
Social and philosophical foundations of education	124	92	100	98	84	92	90	63	66	81
Special education	271	261	230	268	286	276	257	257	236	267
Teacher education	332	245	204	156	109	152	156	180	114	97
Adult and continuing teacher education	138	91	64	49	23	53	39	64	30	42
Elementary teacher education	66	48	45	40	26	36	37	36	30	12
Pre-elementary, early childhood teacher education	80	58	52	29	35	29	47	51	34	29
Secondary teacher education	48	48	43	38	25	34	33	29	20	14
Teaching fields	906	799	805	757	892	915	953	1,165	925	963
Agricultural education	29	34	28	30	27	25	30	36	34	43
Art education	46	35	48	36	30	42	42	37	34	41
Bilingual and multilingual education	na	na	na	35	50	30	27	52	36	30
Business education	13	na	na	na	na	na	na	na	na	na
English as a second or foreign language	na	na	na	na	na	58	94	70	55	58
English education	51	61	64	32	35	31	33	39	36	33
Family, consumer, and human sciences	19	23	24	10	19	20	24	16	9	8
Foreign languages education	57	60	55	60	54	39	31	39	26	27
Health education	53	45	49	35	52	43	53	70	66	62
Literacy and reading education <sup>o</sup>	118	83	80	124	126	127	123	137	139	119
Mathematics education	161	144	142	114	138	142	133	182	150	148
Music education	68	83	86	69	91	104	114	87	75	82
Nursing education	13	30	23	18	33	30	32	73	53	55
Physical education and coaching	34	34	43	38	44	35	36	38	21	20
Science education	119	96	93	110	114	112	122	133	100	140
Social science education	21	21	27	20	22	16	24	28	19	14

TABLE 13

## Doctorate recipients, by fine field of study: 2009–18

(Number)

Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Teacher education and professional development, other	76	50	43	26	57	61	35	128	72	83
Trade and industrial education	28	na	na	na	na	na	na	na	na	na
Other education	481	361	299	264	265	269	297	592	447	369
Workforce education and development	na	na	na	na	na	32	36	36	57	37
Education, general	209	152	122	121	128	135	140	369	216	170
Education, other	272	209	177	143	137	102	121	187	174	162
Humanities and arts	4,904	5,015	5,225	5,561	5,715	5,524	5,594	5,480	5,286	5,145
Foreign languages and literature	598	601	644	684	701	674	656	599	618	617
Arabic language and literature	5	14	8	12	9	14	6	5	8	6
Chinese language and literature	35	41	29	20	37	17	28	17	28	39
French language and literature	114	110	114	122	140	139	137	107	92	100
Germanic language and literature	70	64	71	90	74	84	72	67	72	62
Italian language and literature	39	35	38	50	44	39	40	34	45	31
Japanese language and literature	18	27	16	20	21	23	21	10	15	16
Latin American languages and literature	na	na	na	57	66	83	79	96	30	38
Russian language and literature	18	23	34	24	30	25	21	14	26	12
Slavic (other than Russian)	10	na	na	na	na	na	na	na	na	na
Spanish language and literature	235	231	247	205	216	181	186	127	178	207
Foreign languages and literatures, other	54	56	87	84	64	69	66	122	124	106
History	1,045	1,005	1,065	1,086	1,148	1,186	1,146	1,148	1,058	948
African history	29	30	29	38	32	32	30	26	24	33
American history, United States and Canada	432	391	432	440	444	433	412	391	376	389
Asian history	55	59	68	73	85	78	89	73	59	73
European history	214	193	224	186	186	232	198	207	179	172
History, science and technology and society <sup>m</sup>	56	46	47	49	53	78	72	66	78	na
Latin American history	67	65	52	63	77	73	64	77	63	55
Middle, Near East history	61	65	63	60	71	68	82	63	70	44
History, general	64	78	68	93	105	121	108	155	120	107
History, other	67	78	82	84	95	71	91	90	89	75
Letters	1,413	1,516	1,513	1,638	1,606	1,551	1,583	1,529	1,462	1,442
American literature, United States and Canada	327	361	367	409	397	349	334	342	319	273
Classics	77	86	91	101	101	91	94	109	80	94
Comparative literature	179	197	192	201	218	196	165	172	164	172
Creative writing	76	81	84	93	79	87	97	79	84	86
English language	104	146	179	154	92	147	153	125	132	121
English literature, British and Commonwealth	388	419	354	423	399	396	412	414	381	383
Folklore	10	11	10	6	9	17	6	na	na	na
Rhetoric and composition	na	na	na	154	220	207	238	211	226	241
Speech and rhetorical studies	138	152	165	53	33	29	42	39	45	42
Letters, general	74	22	25	18	26	12	22	23	14	16
Letters, other	40	41	46	26	32	20	20	15	17	14
Other humanities and arts	1,848	1,893	2,003	2,153	2,260	2,113	2,209	2,204	2,148	2,138
African American studies, literature, and history	na	na	na	na	na	na	na	na	na	52
Archaeology (humanities)	58	60	87	79	72	105	121	166	132	54
Art history, criticism, and conservation	226	248	242	227	265	263	272	278	247	220
Bible, biblical studies	74	97	103	95	106	86	87	62	84	113
Dance	na	na	na	na	na	na	na	13	11	17
Drama, theater arts, performance studies <sup>p</sup>	104	104	106	111	120	104	86	74	87	96
Ethics	na	na	na	29	26	29	30	38	30	37
Film, cinema, media studies <sup>q</sup>	na	na	na	62	67	71	67	73	81	90

TABLE 13

## Doctorate recipients, by fine field of study: 2009–18

(Number)

Fine field of study	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Jewish, Judaic studies	na	na	na	17	33	27	27	27	28	23
Music	74	66	81	67	88	64	54	59	67	55
Musicology and ethnomusicology	127	135	137	138	128	140	148	127	158	131
Music performance	85	106	92	113	124	77	110	92	92	88
Music theory and composition	99	91	95	95	102	104	108	92	90	85
Music, other	18	18	22	21	29	20	23	19	16	14
Philosophy	422	431	462	497	494	454	463	454	419	477
Religion, religious studies	326	282	312	290	301	292	314	254	310	258
Theology, religious education	129	160	150	184	173	156	172	212	162	196
Humanities, general	49	28	43	16	31	34	27	106	60	53
Humanities, other	57	67	71	112	101	87	100	58	74	79
Other <sup>f</sup>	2,807	2,729	2,683	2,734	3,023	3,043	3,019	2,941	3,153	2,989
Business management and administration	1,405	1,366	1,327	1,404	1,551	1,584	1,582	1,509	1,565	1,481
Accounting	141	148	157	175	168	196	194	178	159	162
Banking/financial services	5	5	1	na	na	na	na	na	na	na
Business administration and management	173	157	146	221	269	243	231	263	253	260
Business, managerial economics	24	29	26	31	24	22	43	26	15	23
Finance	213	210	200	232	260	265	241	251	201	193
Hospitality, food service and tourism management	na	36	59	57	71	65	46	66	74	56
Human resources development	74	70	70	44	44	68	51	30	29	29
International business, trade, commerce	37	25	28	21	33	30	24	24	21	19
Management information systems, business statistics	136	108	100	103	107	100	102	107	92	110
Marketing management and research	183	157	156	174	191	152	181	140	143	141
Operations research (business)	51	84	70	80	103	91	110	83	68	53
Organizational behavior	167	175	189	163	186	212	189	168	271	214
Business management and administration, general	90	102	67	50	40	68	68	114	140	125
Business management and administration, other	111	60	58	53	55	72	102	59	99	96
Communication	627	638	650	595	645	663	667	672	622	631
Communication research	129	120	125	126	155	149	149	183	120	143
Communication theory	38	34	29	31	30	39	41	63	37	26
Film, radio, TV and digital communication	64	73	77	43	30	35	37	23	34	16
Mass communication, media studies	206	214	212	199	239	251	242	211	230	228
Communication, general	120	119	117	117	107	123	119	143	131	155
Communication, other	70	78	90	79	84	66	79	49	70	63
Non-S&E fields nec	775	725	706	735	827	796	770	760	962	877
Architecture and environmental design	81	81	81	109	101	118	116	99	118	105
Family, consumer sciences and human sciences	59	48	54	50	57	51	47	39	79	64
Law	73	68	57	53	81	76	76	67	85	74
Library science	25	40	35	49	39	39	41	32	46	32
Parks, sports, recreation, leisure and fitness	69	54	63	61	76	67	52	83	46	53
Public administration	129	126	118	132	127	119	121	143	184	139
Social work	333	308	289	280	330	325	307	294	296	358
Other fields nec	6	0	9	1	16	1	10	3	108	52
Unknown field	0	0	0	0	0	0	0	0	4	0

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

nec = not elsewhere classified; S&amp;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 is collected as "Economics."
- <sup>l</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>m</sup> This field was moved from "History" to "Other social sciences" in 2018.
- <sup>n</sup> This field was renamed from "Environmental health engineering" in 2012.
- <sup>o</sup> This field was renamed from "Reading education" in 2012.
- <sup>p</sup> This field was renamed from "Drama, theater arts" in 2018.
- <sup>q</sup> This field was renamed from "Film, cinema, video studies" in 2018.
- <sup>r</sup> Includes other non-S&E fields not shown separately.

**Source(s)**

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