

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total ^a	Male	Female	% female
All fields	54,070	29,049	24,857	46.0
Life sciences	12,504	5,468	6,998	56.0
Agricultural sciences and natural resources	1,303	673	629	48.3
Agricultural economics	96	58	38	39.6
Agronomy, horticulture science, plant breeding, plant pathology, plant sciences-other	320	181	139	43.4
Animal nutrition, poultry science	75	39	36	48.0
Animal science, other	102	44	58	56.9
Environmental science	214	101	113	52.8
Fishing and fisheries sciences/management	52	37	15	28.8
Food science, food technology-other	131	46	84	64.1
Forest biology, forest management, wood science, forestry sciences-other	75	46	29	38.7
Natural resources/conservation	71	31	40	56.3
Soil chemistry, soil sciences-other	66	36	30	45.5
Wildlife/range management	29	22	7	24.1
Agricultural sciences/natural resources, aggregated	72	32	40	55.6
Biological, biomedical sciences	8,991	4,134	4,825	53.7
Anatomy, developmental biology	213	84	126	59.2
Bacteriology, parasitology	51	26	25	49.0
Biochemistry	820	411	405	49.4
Bioinformatics	185	127	58	31.4
Biomedical sciences	439	197	239	54.4
Biometrics and biostatistics	165	69	95	57.6
Biophysics (biology)	186	114	71	38.2
Botany, plant pathology, plant physiology	139	67	72	51.8
Cancer biology	457	177	276	60.4
Cell/cellular biology and histology	331	150	181	54.7
Computational biology	117	80	37	31.6
Ecology	450	205	245	54.4
Endocrinology, human/animal pathology	125	55	70	56.0
Entomology	114	65	49	43.0
Environmental toxicology, toxicology	166	68	98	59.0
Epidemiology	292	98	193	66.1
Evolutionary biology	215	112	103	47.9
Genetics-human/animal, plant genetics	450	202	248	55.1
Immunology	452	184	267	59.1
Marine biology and biological oceanography	111	43	68	61.3
Microbiology	466	191	274	58.8
Molecular biology	673	311	358	53.2
Neurosciences and neurobiology	1,052	520	530	50.4
Nutrition sciences	175	32	143	81.7
Pharmacology, human and animal	294	136	158	53.7
Physiology, human and animal	208	99	108	51.9
Structural biology	60	40	20	33.3
Virology	162	83	79	48.8
Wildlife biology	36	21	15	41.7
Zoology	33	11	22	66.7
Biology/biomedical sciences, general	242	101	138	57.0
Biotechnology, biology/biomedical sciences-other	112	55	54	48.2
Health sciences	2,210	661	1,544	69.9
Environmental health, public health	476	144	330	69.3
Health and behavior	87	15	72	82.8
Health policy analysis	50	11	39	78.0
Health systems/services administration	89	31	58	65.2
Kinesiology/exercise physiology	250	132	118	47.2

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total ^a	Male	Female	% female
Nursing science	567	44	523	92.2
Pharmaceutical sciences	278	143	132	47.5
Rehabilitation/therapeutic services	83	34	49	59.0
Speech-language pathology and audiology	114	22	92	80.7
Health sciences, aggregated	216	85	131	60.6
Physical sciences	9,859	7,004	2,820	28.6
Astronomy	290	208	81	27.9
Astronomy	113	76	36	31.9
Astrophysics	171	129	42	24.6
Astronomy, other	6	3	3	50.0
Atmospheric science and meteorology	200	129	70	35.0
Atmospheric physics, meteorology	83	59	24	28.9
Atmospheric chemistry, atmospheric sciences-general, atmospheric sciences-other	117	70	46	39.3
Chemistry	2,673	1,643	1,020	38.2
Analytical chemistry	416	222	194	46.6
Inorganic chemistry	373	219	154	41.3
Medicinal chemistry	86	56	28	32.6
Organic chemistry	604	414	188	31.1
Physical chemistry	341	234	107	31.4
Polymer chemistry	127	88	39	30.7
Theoretical chemistry	103	73	30	29.1
Chemistry, general	414	233	175	42.3
Chemistry, other	209	104	105	50.2
Computer and information sciences	2,072	1,657	407	19.6
Computer science	1,668	1,365	298	17.9
Information science and systems	151	93	57	37.7
Robotics	81	73	8	9.9
Computer and information science, general	94	73	20	21.3
Computer and information science, other	78	53	24	30.8
Geological and earth sciences	581	330	251	43.2
Geochemistry, mineralogy	101	44	57	56.4
Geology	131	73	58	44.3
Geomorphology, geological sciences-general, geological sciences-other	146	87	59	40.4
Geophysics and seismology	150	102	48	32.0
Paleontology, stratigraphy	53	24	29	54.7
Mathematics	1,879	1,336	535	28.5
Algebra	173	129	44	25.4
Analysis and functional analysis	137	102	35	25.5
Applied mathematics, computing theory	495	363	130	26.3
Geometry/geometric analysis	120	101	19	15.8
Logic, topology/foundations	104	82	22	21.2
Number theory	83	66	17	20.5
Operations research, mathematics/statistics-general, mathematics/statistics-other	359	238	115	32.0
Statistics (mathematics)	408	255	153	37.5
Ocean/marine sciences	208	121	87	41.8
Oceanography, chemical and physical	88	48	40	45.5
Ocean/marine sciences, aggregated	120	73	47	39.2
Physics	1,956	1,580	369	18.9
Acoustics, optics/photonics	212	168	44	20.8
Applied physics	156	116	39	25.0

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total ^a	Male	Female	% female
Atomic physics, polymer physics	165	140	25	15.2
Biophysics (physics)	131	100	30	22.9
Condensed matter/low temperature physics	391	322	68	17.4
Medical physics/radiological science	103	82	20	19.4
Nuclear physics	103	85	17	16.5
Particle (elementary) physics	245	215	30	12.2
Plasma/fusion physics	83	63	19	22.9
Physics, general	231	182	48	20.8
Physics, other	136	107	29	21.3
Psychology and social sciences	8,657	3,477	5,155	59.5
Psychology	3,765	1,072	2,678	71.1
Behavioral analysis	51	19	32	62.7
Clinical psychology	1,244	283	952	76.5
Cognitive psychology and psycholinguistics	202	96	105	52.0
Counseling	382	108	274	71.7
Developmental and child psychology	244	40	204	83.6
Educational psychology (psychology)	64	21	43	67.2
Experimental psychology	143	66	77	53.8
Family psychology, human development and family studies	185	40	145	78.4
Health and medical psychology	79	15	64	81.0
Industrial and organizational psychology	208	85	120	57.7
Neuropsychology/physiological psychology	122	46	76	62.3
School psychology (psychology)	111	13	97	87.4
Social psychology	242	81	161	66.5
Psychology, general	280	88	191	68.2
Psychology, aggregated	208	71	137	65.9
Social sciences	4,892	2,405	2,477	50.6
Anthropology, cultural	268	96	172	64.2
Anthropology, physical and biological	73	25	48	65.8
Anthropology, general	186	76	110	59.1
Economics, econometrics	1,145	757	382	33.4
Natural resource/environmental economics (social sciences)	49	27	22	44.9
Political science and government	776	433	342	44.1
Sociology	678	248	430	63.4
Other social sciences	1,717	743	971	56.6
Area/ethnic/cultural studies	90	36	53	58.9
Criminal justice and corrections	80	37	43	53.8
Criminology	79	29	50	63.3
Demography, gerontology, statistics, urban affairs, social sciences-general, social sciences-other	332	129	202	60.8
Gender and women's studies	41	7	34	82.9
Geography	291	139	152	52.2
International relations/affairs	104	67	37	35.6
Linguistics	277	109	167	60.3
Natural resource/environmental policy	36	17	19	52.8
Public policy analysis	276	122	154	55.8
Urban/city, community and regional planning	111	51	60	54.1
Engineering	9,568	7,349	2,179	22.8
Aerospace, aeronautical, and astronautical engineering	387	331	55	14.2
Chemical engineering	975	684	290	29.7
Civil engineering	622	470	147	23.6
Electrical, electronics, and communications engineering	1,957	1,618	326	16.7
Industrial and manufacturing engineering	298	209	89	29.9
Materials science engineering	836	619	213	25.5
Mechanical engineering	1,332	1,128	197	14.8

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total ^a	Male	Female	% female
Other engineering	3,161	2,290	862	27.3
Bioengineering and biomedical engineering	1,049	661	386	36.8
Computer engineering	467	406	61	13.1
Environmental health engineering	270	147	123	45.6
Nuclear engineering	156	130	25	16.0
Structural engineering	101	87	14	13.9
Systems engineering	95	75	20	21.1
Other engineering, aggregated	1,023	784	233	22.8
Education	4,793	1,467	3,316	69.2
Education administration	895	371	524	58.5
Education and human resource studies/development	62	25	37	59.7
Educational administration and supervision	172	78	94	54.7
Educational leadership	605	252	353	58.3
Urban education and leadership	56	16	40	71.4
Education research	2,558	721	1,828	71.5
Counseling education/counseling and guidance	229	58	171	74.7
Curriculum and instruction	549	132	416	75.8
Educational assessment/testing/measurement	54	19	35	64.8
Educational policy analysis	155	50	104	67.1
Educational psychology (education)	259	71	186	71.8
Educational statistics/research methods	75	29	46	61.3
Educational/instructional technology, media design	207	77	130	62.8
Higher education/evaluation and research	447	164	282	63.1
International education	70	22	45	64.3
School psychology (education)	145	25	120	82.8
Social/philosophical foundations of education	92	30	62	67.4
Special education	276	44	231	83.7
Teacher education	153	35	118	77.1
Teaching fields	919	267	651	70.8
English as a second or foreign language	58	20	38	65.5
Health education	43	10	33	76.7
Literacy and reading education	128	19	109	85.2
Mathematics education	143	50	93	65.0
Music education	104	49	55	52.9
Physical education and coaching	36	13	23	63.9
Science education	112	27	85	75.9
Teaching fields, aggregated	295	79	215	72.9
Other education	268	73	195	72.8
Education, general	135	34	101	74.8
Other education, aggregated	133	39	94	70.7
Humanities	5,486	2,697	2,785	50.8
Foreign languages and literature	676	248	426	63.0
French, Italian	179	61	118	65.9
German	84	40	44	52.4
Latin American	83	26	56	67.5
Spanish	182	68	114	62.6
Other aggregated languages	148	53	94	63.5
History	1,182	661	520	44.0
American history (U.S. and Canada)	431	254	177	41.1
Asian history	78	44	34	43.6
European history	229	123	106	46.3
History, science and technology and society	78	39	39	50.0
Latin American history	73	49	24	32.9
Middle/Near East studies	68	33	34	50.0

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total ^a	Male	Female	% female
History, general	121	71	50	41.3
History, aggregated	104	48	56	53.8
Letters	1,553	659	894	57.6
American literature (U.S. and Canada)	350	156	194	55.4
Classics	91	52	39	42.9
Comparative literature	196	88	108	55.1
English language	149	67	82	55.0
English literature (British and Commonwealth)	393	150	243	61.8
Rhetoric and composition	210	81	129	61.4
Speech and rhetorical studies	29	15	14	48.3
Letters, aggregated	135	50	85	63.0
Other humanities	2,075	1,129	945	45.5
American/U.S. studies	121	47	74	61.2
Archaeology	105	51	54	51.4
Art history/criticism/conservation	262	56	206	78.6
Drama/theater arts	104	41	63	60.6
Film/cinema/video studies	72	35	37	51.4
Music	65	40	24	36.9
Musicology/ethnomusicology	140	73	67	47.9
Music performance	77	40	37	48.1
Music theory and composition	104	80	24	23.1
Philosophy, ethics	479	339	140	29.2
Religion/religious studies, Jewish/Judaic studies	319	213	106	33.2
Other humanities, aggregated	227	114	113	49.8
Other ^b	3,203	1,587	1,604	50.1
Business management and administration	1,583	907	670	42.3
Accounting	198	111	87	43.9
Business administration and management	242	136	105	43.4
Finance	264	191	73	27.7
Human resources development	65	30	35	53.8
Management information systems/business statistics	101	74	27	26.7
Marketing management and research	152	80	71	46.7
Organizational behavior	212	92	119	56.1
Other aggregated business fields	349	193	153	43.8
Communication	664	278	383	57.7
Communication research	150	56	94	62.7
Mass communication/media studies	250	116	132	52.8
Communication, general	123	46	76	61.8
Communication, aggregated	141	60	81	57.4
Non-S&E fields not elsewhere classified	956	402	551	57.6
Architecture/environmental design	118	66	52	44.1
Family/consumer science/human science	50	6	44	88.0
Parks/sports/recreation/leisure/fitness	68	31	37	54.4
Public administration	121	65	56	46.3
Social work	326	66	260	79.8
Theology/religious education	157	108	49	31.2
Fields not elsewhere classified, aggregated	116	60	53	45.7

S&E = science and engineering.

^a Includes 164 respondents who did not report sex.

^b Non-science and engineering fields.

NOTE: See table A-5 in the technical notes for a listing of aggregated fields and their constituent fine fields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.