

TABLE 2. Doctorates awarded to men, by field of study: 2000–10

Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Percent ^a	
												2000	2010
All fields	23,166	22,781	21,809	22,257	22,966	23,734	25,019	26,206	26,270	26,334	25,548	56.0	53.1
Science and engineering	16,518	16,188	15,390	15,761	16,418	17,404	18,371	19,542	19,857	19,842	19,584	63.6	59.1
Science	12,059	11,617	11,215	11,391	11,662	12,177	12,643	13,400	13,689	13,834	13,778	58.4	53.8
Agricultural sciences	718	630	684	686	646	659	621	681	628	661	533	69.2	54.2
Agronomy and crop science	55	54	55	41	51	65	39	51	52	54	43	79.7	62.3
Animal breeding, animal nutrition, poultry science	61	57	49	58	59	56	50	58	39	40	32	80.3	60.4
Animal science, other	47	51	48	55	49	41	47	33	42	43	24	64.4	44.4
Dairy science ^b	9	2	5	10	na	na	na	na	na	na	na	100.0	na
Environmental science	50	72	70	79	67	76	72	97	86	90	78	52.6	49.7
Fishing and fisheries sciences/management	32	34	40	35	26	25	39	28	38	46	20	74.4	58.8
Food science, food technology-other	84	71	75	83	84	73	61	68	64	66	52	55.3	38.0
Forest biology, forest management, wood science, forestry sciences-other	72	76	92	71	83	79	71	97	58	92	60	72.0	67.4
Forest engineering ^b	3	0	3	3	na	na	na	na	na	na	na	100.0	na
Horticulture science, plant breeding, plant pathology, plant sciences-other	154	101	127	122	107	112	117	120	99	111	99	71.6	55.6
Natural resources/conservation	14	14	15	34	19	39	34	40	40	41	47	73.7	53.4
Soil chemistry, soil sciences-other	67	49	58	51	46	47	41	53	64	39	35	74.4	59.3
Wildlife/range management	45	26	28	34	27	31	38	30	40	23	28	80.4	58.3
Agriculture-general, agricultural sciences-other	25	23	19	10	28	15	12	6	6	16	15	67.6	83.3
Biological sciences	3,225	3,136	3,146	3,091	3,184	3,252	3,376	3,708	3,861	3,834	3,829	55.1	47.6
Anatomy, developmental biology	73	70	71	77	79	91	85	100	100	101	88	48.3	40.6
Bacteriology, parasitology	20	19	16	13	20	17	15	21	20	21	24	58.8	40.0
Biochemistry	450	416	487	452	407	417	435	492	478	455	459	58.0	53.1
Bioinformatics ^c	na	na	na	na	na	na	na	62	111	122	85	na	69.7
Biomedical sciences	85	73	109	93	87	110	133	142	138	148	125	54.8	43.4
Biometrics and biostatistics	51	43	34	35	50	66	49	44	42	57	49	55.4	38.6
Biophysics	115	115	117	108	83	85	121	129	106	128	123	70.1	71.5
Botany, plant pathology, plant physiology	80	87	78	77	97	82	74	87	80	83	91	51.3	58.0
Cancer biology ^c	na	na	na	na	na	na	na	39	125	120	124	na	41.3
Cell/cellular biology and histology	181	167	142	155	165	163	166	180	195	181	165	53.7	45.7
Computational biology ^d	na	na	na	na	na	na	na	na	na	na	52	na	75.4
Ecology	181	211	177	205	205	218	208	258	216	219	218	60.9	50.6
Endocrinology, human/animal pathology	73	72	60	63	63	61	46	60	57	64	49	57.9	48.0
Entomology	100	59	80	80	77	63	84	64	70	75	72	73.0	58.5
Environmental toxicology, toxicology ^e	65	71	57	59	58	48	51	53	69	51	56	52.8	40.6
Evolutionary biology ^c	na	na	na	na	na	na	na	22	98	112	119	na	55.6
Genetics-human/animal, plant genetics	131	109	146	123	173	170	165	182	249	182	204	50.0	47.2
Immunology	123	143	131	140	180	172	178	191	205	184	208	51.5	46.1
Microbiology	193	213	205	204	195	206	237	253	231	257	214	50.5	43.7
Molecular biology	386	388	351	326	363	361	383	342	341	327	300	54.7	42.8
Neurosciences	300	284	288	271	324	368	394	444	462	469	444	60.6	46.6
Nutrition sciences	24	36	35	25	29	37	28	37	33	44	47	16.0	26.1
Pharmacology, human and animal	143	142	155	149	141	142	160	132	141	158	129	53.6	44.5
Physiology, human and animal	142	125	124	128	122	108	118	121	123	107	131	58.9	50.8
Structural biology ^d	na	na	na	na	na	na	na	na	na	na	28	na	52.8
Virology ^d	na	na	na	na	na	na	na	na	na	na	64	na	47.4
Zoology	78	63	76	71	59	53	66	49	27	35	35	58.6	48.6
Biology/biomedical sciences, general	117	107	88	110	103	94	101	126	88	83	84	58.8	45.2
Biotechnology, biology/biomedical sciences-other	114	123	119	127	104	120	79	78	56	51	42	49.4	40.0
Earth, atmospheric, and ocean sciences	495	461	477	470	448	470	490	542	548	539	497	71.3	57.5
Atmospheric sciences	108	87	86	100	80	93	99	104	134	117	107	75.5	62.6
Atmospheric physics, meteorology	41	31	23	36	34	35	36	38	64	45	36	80.4	60.0
Atmospheric chemistry, atmospheric sciences-general, atmospheric sciences-other	67	56	63	64	46	58	63	66	70	72	71	72.8	64.0
Earth and ocean sciences	387	374	391	370	368	377	391	438	414	422	390	70.2	56.3
Geochemistry, mineralogy	41	41	56	40	33	39	39	42	54	47	36	74.5	40.9
Geology	94	77	102	81	73	74	86	87	98	93	85	76.4	66.9

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Geophysics and seismology	54	66	67	58	61	66	57	80	73	64	63	77.1	67.7
Marine sciences	18	21	25	15	30	36	36	29	34	39	31	50.0	39.2
Ocean/marine sciences, aggregated	48	52	34	47	41	40	40	34	37	36	38	66.7	60.3
Oceanography, chemical and physical	70	54	53	60	46	42	35	69	50	44	51	70.7	58.6
Paleontology, stratigraphy	26	22	20	25	27	31	30	36	25	34	31	59.1	62.0
Geomorphology, geological sciences-general, geological sciences-other	36	41	34	44	57	49	68	61	43	65	55	69.2	51.9
Mathematics/computer sciences	1,507	1,407	1,291	1,419	1,520	1,782	2,074	2,308	2,353	2,326	2,434	78.9	74.8
Computer sciences	717	673	639	690	749	905	1,142	1,323	1,387	1,259	1,312	83.3	78.8
Computer science	620	579	546	579	630	793	998	1,169	1,200	1,096	1,124	85.6	82.8
Information science and systems	97	54	54	41	64	48	85	88	114	91	87	70.8	55.4
Robotics ^d	na	na	na	na	na	na	na	na	na	na	26	na	83.9
Computer and information science, other ^f	na	40	39	70	55	64	59	66	73	72	75	na	62.5
Mathematics	790	734	652	729	771	877	932	985	966	1,067	1,122	75.2	70.6
Algebra	61	48	50	46	69	72	100	82	87	104	119	74.4	79.3
Analysis and functional analysis	66	71	54	70	71	86	72	91	90	95	102	81.5	72.3
Applied mathematics, computing theory	194	167	172	175	210	220	266	269	267	280	294	76.1	70.7
Geometry/geometric analysis	51	34	40	38	66	83	73	70	78	74	90	86.4	85.7
Logic, topology/foundations	57	57	39	48	46	58	71	66	63	83	78	82.6	73.6
Number theory	35	27	21	39	34	53	47	51	53	48	60	87.5	84.5
Statistics	124	137	105	122	148	158	168	212	161	200	193	63.6	59.0
Operations research, mathematics/statistics- general, mathematics/statistics-other	202	193	171	191	127	147	135	144	167	183	186	75.1	68.1
Physical sciences	2,546	2,531	2,335	2,396	2,470	2,670	2,830	2,905	2,957	2,995	2,929	75.4	69.7
Astronomy	145	145	114	127	119	137	141	163	187	178	177	78.4	66.5
Astronomy	54	68	40	51	44	46	40	55	70	58	58	69.2	56.3
Astrophysics	91	77	74	76	75	91	101	108	117	120	113	85.0	73.4
Astronomy, other ^d	na	na	na	na	na	na	na	na	na	na	6	na	66.7
Chemistry	1,361	1,350	1,277	1,384	1,350	1,403	1,550	1,486	1,479	1,491	1,443	68.4	62.6
Analytical chemistry	205	211	188	202	204	185	199	215	213	192	226	62.9	56.2
Inorganic chemistry	157	188	164	168	160	172	159	188	200	213	175	71.0	59.3
Medicinal/pharmaceutical chemistry ^d	55	69	60	68	65	61	96	na	na	na	na	51.4	na
Nuclear chemistry ^b	6	4	6	2	na	na	na	na	na	na	na	66.7	na
Organic chemistry	385	390	381	411	399	448	451	454	455	465	428	73.3	71.3
Physical chemistry	195	193	200	237	183	211	262	219	217	207	244	72.0	68.0
Polymer chemistry	76	74	67	84	76	89	102	80	82	82	74	71.0	58.7
Theoretical chemistry	40	34	31	37	38	45	61	62	56	63	60	76.9	69.8
Chemistry, general	178	129	140	112	139	124	141	190	178	183	158	68.2	58.5
Chemistry, other	64	58	40	63	86	68	79	78	78	86	78	58.2	46.4
Physics	1,040	1,036	944	885	1,001	1,130	1,139	1,256	1,291	1,326	1,309	86.4	80.4
Acoustics, optics/phonics	109	102	105	91	115	138	138	138	136	151	126	85.8	78.3
Applied physics ^h	na	na	na	na	64	84	79	105	105	108	110	na	76.9
Atomic physics, polymer physics	104	87	87	72	88	95	93	104	138	99	101	79.4	81.5
Biophysics ^h	na	na	na	na	46	54	74	85	89	76	92	na	74.2
Condensed matter/low temperature physics	237	263	250	225	236	273	287	299	334	345	317	84.9	83.6
Fluids physics ^b	10	7	13	9	na	na	na	na	na	na	na	100.0	na
Medical physics/radiological science ^d	na	na	na	na	na	na	na	na	na	na	41	na	67.2
Nuclear physics	65	67	58	57	62	65	72	61	50	60	74	87.8	87.1
Particle (elementary) physics	132	112	126	119	143	167	172	169	177	180	170	89.8	86.7
Plasma/fusion physics	38	36	26	30	32	43	37	43	51	45	42	100.0	84.0
Physics, general	193	182	150	142	113	111	119	157	121	169	169	86.2	78.2
Physics, other	152	180	129	140	102	100	68	95	90	93	67	87.4	74.4
Psychology	1,203	1,128	1,065	1,043	1,081	1,058	936	939	998	991	1,034	33.3	30.2
Clinical psychology	359	365	366	342	350	315	270	282	306	286	282	26.5	24.5
Cognitive psychology and psycholinguistics	75	65	54	62	69	77	79	81	86	96	92	53.6	41.8
Counseling	163	147	150	123	161	149	135	125	116	104	113	34.3	27.6
Developmental and child psychology	40	34	30	34	27	35	38	27	29	25	37	19.7	19.4

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Educational psychology	34	17	16	10	21	24	20	23	13	16	17	35.1	24.3
Experimental psychology	74	62	49	54	43	52	50	49	63	56	71	55.6	50.0
Family psychology	25	23	32	21	13	12	5	11	13	12	12	46.3	27.3
Human development and family studies	44	40	44	38	51	44	35	29	26	31	32	29.9	22.1
Industrial and organizational	75	67	69	73	73	73	69	66	78	76	87	39.9	42.0
Physiological/psychobiology psychology	33	46	37	44	35	42	30	38	33	32	31	37.1	37.8
Psychometrics ^b	8	0	7	3	na	na	na	na	na	na	na	61.5	na
School psychology	21	19	21	30	14	27	23	20	18	29	19	21.2	17.8
Social psychology	72	91	74	73	54	68	57	73	66	82	82	34.8	39.0
Psychology, general	103	71	58	79	92	65	69	58	77	66	65	43.5	35.3
Psychology, aggregated	77	81	58	57	78	75	56	57	74	80	94	42.8	36.4
Social sciences	2,365	2,324	2,217	2,286	2,313	2,286	2,316	2,317	2,344	2,488	2,522	56.9	52.4
Economics	790	773	739	747	755	826	794	806	789	796	779	72.7	65.5
Agricultural economics	100	108	86	77	81	85	77	122	72	61	77	72.5	65.3
Econometrics, economics	690	665	653	670	674	741	717	684	717	735	702	72.8	65.5
Political science	620	651	541	627	601	580	591	571	560	649	687	62.9	57.1
International relations/affairs	50	60	49	70	60	66	54	72	42	55	65	64.9	60.7
Political science and government	433	444	353	410	391	373	396	345	367	409	434	64.7	59.6
Public administration	61	55	66	72	70	58	52	55	51	65	63	59.2	50.4
Public policy analysis	76	92	73	75	80	83	89	99	100	120	125	55.5	51.4
Sociology ⁱ	249	236	214	245	240	201	216	216	235	263	250	40.4	39.2
Other social sciences	706	664	723	667	717	679	715	724	760	780	806	48.2	45.2
American/U.S. studies	50	40	41	28	48	48	42	47	47	40	52	44.2	45.6
Anthropology	194	166	206	184	238	199	203	196	189	195	202	43.5	39.7
Archaeology	12	21	11	13	16	15	20	26	20	24	29	33.3	48.3
Area/ethnic/cultural/gender studies	10	9	11	5	7	4	14	29	30	43	37	71.4	32.7
Criminal justice and corrections ^c	na	na	na	na	na	na	na	23	35	44	45	na	60.8
Criminology	32	33	26	46	29	51	45	22	20	20	30	48.5	57.7
Geography	127	120	132	102	105	128	120	121	143	131	130	64.5	57.8
History, science and technology, and society	25	32	36	23	36	27	31	27	28	31	27	59.5	58.7
Linguistics	95	94	78	91	104	73	99	93	110	108	101	41.3	41.9
Urban/city, community, and regional planning ^c	na	na	na	na	na	na	na	45	55	54	56	na	52.8
Social sciences, general	17	6	16	17	12	12	19	16	9	22	23	45.9	47.9
Demography, ⁱ gerontology, ^d statistics, urban affairs, social sciences-other	144	143	166	158	122	122	122	79	74	68	74	50.5	38.1
Engineering ^j	4,459	4,571	4,175	4,370	4,756	5,227	5,728	6,142	6,168	6,008	5,806	83.8	76.9
Aerospace, aeronautical, and astronautical engineering	191	174	185	173	177	190	212	236	238	255	215	89.3	85.3
Chemical engineering	486	478	457	427	488	590	583	620	641	591	574	78.5	69.9
Civil engineering	402	418	442	465	461	503	538	538	568	560	474	83.8	73.5
Electrical, electronics, and communications engineering	1,163	1,186	1,062	1,091	1,195	1,338	1,535	1,662	1,568	1,435	1,460	87.4	82.2
Industrial and manufacturing engineering	140	160	162	159	174	177	167	201	201	186	158	79.5	73.8
Materials science engineering	330	349	286	339	389	380	430	482	482	466	495	81.7	73.9
Mechanical engineering	717	790	681	674	670	778	900	940	930	941	860	88.8	87.1
Other engineering	1,030	1,016	900	1,042	1,202	1,271	1,363	1,463	1,540	1,574	1,570	79.7	71.8
Bioengineering and biomedical engineering	178	164	177	203	258	306	345	412	477	527	509	70.9	61.6
Computer engineering	141	153	144	165	198	235	260	347	318	312	312	82.0	83.4
Environmental health engineering	64	65	65	83	78	78	90	96	97	77	72	84.2	63.7
Nuclear engineering	89	69	51	63	48	63	56	68	81	63	75	90.8	83.3
Operations research	40	38	53	60	61	67	72	78	59	60	62	78.4	73.8
Structural engineering ^d	na	na	na	na	na	na	na	na	na	na	54	na	81.8
Systems engineering	28	38	36	36	47	49	64	58	65	56	54	82.4	79.4
Other engineering, aggregated	490	489	374	432	512	473	476	404	443	479	432	80.2	76.3
Non-science and engineering	6,648	6,593	6,419	6,496	6,548	6,330	6,648	6,664	6,413	6,492	5,964	43.2	40.0
Education	2,260	2,251	2,196	2,256	2,264	2,065	2,130	2,103	2,158	2,161	1,662	35.1	31.4

TABLE 2. Doctorates awarded to men, by field of study: 2000–10

Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Percent ^a	
												2000	2010
Health	522	542	527	543	541	564	615	687	662	627	630	32.8	29.8
Humanities	2,616	2,583	2,511	2,501	2,416	2,459	2,558	2,481	2,161	2,260	2,299	50.2	48.3
Professional/other/unknown	1,250	1,217	1,185	1,196	1,327	1,242	1,345	1,393	1,432	1,444	1,373	57.9	49.7

na = not applicable; subfield was not identified separately in questionnaire for that year.

^a Percentages are based on the total number of doctorate recipients, including those who did not report sex.

^b This subfield was dropped in 2004.

^c This subfield was introduced in 2007.

^d This subfield was introduced in 2010.

^e Environmental toxicology is classified as biological science in 2010 but was classified as health science in years prior to 2010.

^f This subfield was introduced in 2001.

^g This subfield was removed from the Survey of Earned Doctorates taxonomy in 2007. Graduates who indicated this field in 2007 are represented in the counts for "chemistry, other."

^h This subfield was introduced in 2004.

ⁱ In previous editions of this report, sociology and demography/population studies were reported as constituent fields within the "sociology" group. Beginning 2007 sociology is reported separately, and demography/population studies is reported in "other social sciences."

^j Before 2007, seven major engineering fields and their constituent fine fields were reported in addition to "other engineering." In 2007 each major field was replaced by its largest constituent field; remaining constituent fine fields are reported in "other engineering."

NOTES: Categories are grouped according to National Science Foundation taxonomy, which is different from the classification listed in questionnaire and summary reports. That is, the following categories are included in social sciences and not in humanities: American/U.S. studies; history, science and technology, and society; and archaeology. In addition, public administration is included in social sciences and not in professional fields, agricultural economics is included in social sciences and not in biological sciences, and agricultural business and management is included in business management/administration and not in agricultural sciences. For disclosure protection purposes, some fields of degree reported in this table differ from those reported in table 1. Fields awarding relatively few doctorates are combined with related fields, and the total counts of the "aggregated fields" are reported in this table. See appendix A for a discussion of this disclosure protection approach.

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