

TABLE 1. Doctorates awarded, by field of study: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All fields	41,750	42,439	42,541	42,647	41,092	41,365	40,824	39,989	40,770	42,155
Science and engineering	26,536	27,241	27,232	27,278	25,933	25,966	25,548	24,588	25,289	26,275
Science	20,528	20,932	21,117	21,354	20,603	20,645	20,043	19,512	20,011	20,499
Biological/agricultural sciences	6,493	6,842	6,867	6,955	6,647	6,892	6,666	6,699	6,758	6,983
Agricultural sciences	1,117	1,118	1,078	1,110	1,065	1,038	975	1,009	1,061	1,046
Agronomy/crop science	114	110	77	97	106	70	75	74	55	63
Animal breeding/genetics	19	12	24	18	21	22	16	14	21	12
Animal nutrition	50	54	55	45	47	45	45	49	41	47
Animal sciences, other	85	90	62	60	70	73	71	70	88	76
Conservation/renewable natural resources	24	13	17	25	25	19	32	27	47	45
Dairy science <sup>a</sup>	14	9	14	10	12	9	2	7	18	NA
Environmental science	81	83	96	73	99	95	119	112	137	132
Fisheries science/management	49	46	45	30	38	43	44	53	47	37
Food engineering	7	7	11	13	7	10	14	7	11	95
Food sciences, other	135	142	175	153	137	142	130	130	157	74
Forest biology	24	19	22	20	14	22	27	19	16	36
Forest engineering <sup>a</sup>	4	0	13	2	1	3	0	3	3	NA
Forest management	20	22	21	27	17	13	13	16	18	27
Forestry and related sciences, other	71	55	50	69	50	54	48	56	47	34
Horticulture science	67	73	44	60	66	55	37	46	54	45
Plant breeding/genetics	72	63	67	69	44	68	37	59	50	36
Plant pathology	52	90	65	66	66	63	52	53	48	55
Plant sciences, other	30	21	20	37	38	29	26	27	29	36
Poultry science	11	11	9	11	8	9	11	10	18	21
Soil chemistry/microbiology	27	29	32	27	29	26	23	29	24	20
Soil sciences, other	72	78	56	74	67	64	56	55	50	53
Wildlife/range management	50	64	50	56	44	56	41	37	46	40
Wood science and pulp/paper technology	26	18	25	25	21	11	20	29	19	19
Agricultural sciences, general	6	5	10	8	8	10	2	4	2	6
Agricultural sciences, other	7	4	18	35	30	27	34	23	15	37
Biological sciences	5,376	5,724	5,789	5,845	5,582	5,854	5,691	5,690	5,697	5,937
Anatomy	64	47	50	35	33	39	29	20	33	13
Bacteriology	13	16	13	13	13	15	17	12	6	15
Biochemistry	824	794	832	800	760	776	728	781	772	702
Biological immunology	190	238	214	245	223	239	266	278	261	344
Biomedical sciences	93	141	158	182	176	155	155	220	182	184
Biometrics/biostatistics	67	80	84	75	76	92	90	82	84	100
Biophysics	155	142	147	166	173	164	162	151	161	130
Biotechnology research	4	6	11	12	19	14	9	13	24	26
Botany, other	102	105	91	113	67	92	75	84	80	134
Cell biology	236	233	251	300	281	337	315	302	302	292
Developmental biology/embryology	64	96	115	127	108	111	107	93	126	141
Ecology	203	245	255	293	273	296	338	312	348	366
Endocrinology	20	24	17	30	19	20	18	14	21	22
Entomology	121	136	123	138	114	137	90	113	111	108
Human/animal genetics	202	212	217	197	216	228	198	225	226	256
Human/animal pathology	109	135	106	90	120	106	116	115	101	98
Human/animal pharmacology	278	316	300	255	254	267	257	268	275	285
Human/animal physiology	262	275	227	258	244	241	216	208	214	205
Microbiology	426	444	410	383	383	382	396	382	363	391
Molecular biology	617	651	775	736	716	707	709	622	615	724
Neuroscience	308	404	437	413	431	495	485	489	472	584
Nutritional sciences	136	142	124	139	102	150	135	141	127	133
Parasitology	14	22	17	15	13	19	22	17	15	20
Plant genetics	35	41	30	40	31	35	31	57	38	54
Plant pathology	32	38	33	18	36	25	31	24	27	26

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Plant physiology	55	73	47	61	54	39	45	43	32	25
Toxicology	126	138	180	155	114	123	133	122	122	107
Zoology, other	145	100	97	111	126	133	103	122	127	96
Biological sciences, general	348	292	209	217	182	200	194	184	195	190
Biological sciences, other	127	138	219	228	225	217	221	196	237	166
Earth, atmospheric, and ocean sciences	699	711	782	741	706	663	630	673	646	672
Atmospheric sciences	130	125	149	125	124	143	116	117	139	126
Atmospheric dynamics	16	21	25	24	17	17	17	13	21	33
Atmospheric physics/chemistry	27	22	45	38	43	39	33	39	39	29
Meteorology	25	35	28	25	22	34	20	15	25	22
Atmospheric sciences/meteorology, general	44	33	36	22	32	36	34	27	33	24
Atmospheric sciences/meteorology, other	18	14	15	16	10	17	12	23	21	18
Earth sciences	454	452	489	504	452	386	393	428	374	420
Geochemistry	42	49	49	58	55	49	41	70	53	38
Geology	186	162	165	171	157	123	115	132	119	98
Geomorphology/glacial geology	11	11	26	20	18	14	10	16	20	22
Geophysics/seismology	93	101	108	106	100	70	88	91	75	87
Hydrology/water resources	24	31	43	35	32	43	45	35	26	49
Mineralogy/petrology	19	23	19	14	14	5	15	13	8	17
Paleontology	20	14	23	23	15	31	16	22	18	25
Stratigraphy/sedimentation	16	12	23	24	17	13	13	7	16	19
Geological and related sciences, general	21	27	16	13	9	20	16	12	9	23
Geological and related sciences, other	22	22	17	40	35	18	34	30	30	42
Ocean sciences	115	134	144	112	130	134	121	128	133	126
Marine sciences	32	27	30	18	30	35	36	42	36	59
Oceanography	83	107	114	94	100	99	85	86	97	67
Mathematics/computer sciences	2,187	2,042	2,032	2,104	1,939	1,909	1,833	1,725	1,859	2,024
Computer sciences	997	920	909	927	856	859	826	807	865	949
Computer science	913	836	828	821	741	722	688	673	698	768
Information science/systems	84	84	81	106	114	137	81	79	65	106
Computer and information science, other <sup>b</sup>	NA	NA	NA	NA	1	NA	57	55	102	75
Mathematics	1,190	1,122	1,123	1,177	1,083	1,050	1,007	918	994	1,075
Algebra	82	78	78	75	84	82	68	65	69	97
Analysis/functional analysis	99	100	103	130	86	81	91	74	85	99
Applied mathematics	211	230	242	265	252	238	214	225	223	264
Computing theory	14	18	14	18	14	17	11	11	8	10
Geometry	45	72	70	54	65	59	40	52	48	95
Logic	35	16	23	16	23	19	24	14	18	15
Mathematical statistics	205	178	181	204	174	195	198	167	191	226
Number theory	35	42	46	46	50	40	35	26	46	39
Operations research	36	21	20	17	21	19	14	19	19	23
Topology	51	55	62	65	65	50	54	40	49	52
Mathematics, general	305	233	153	163	116	151	155	133	150	82
Mathematics, other	72	79	131	124	133	99	103	92	88	73
Physical sciences	3,841	3,839	3,769	3,824	3,579	3,407	3,394	3,212	3,325	3,353
Astronomy	173	192	198	206	159	185	186	144	168	165
Astronomy	89	84	71	91	59	78	89	54	70	68
Astrophysics	84	108	127	115	100	107	97	90	98	97
Chemistry	2,162	2,149	2,148	2,216	2,132	1,989	1,981	1,923	2,041	1,987
Analytical chemistry	317	346	350	383	333	326	334	302	338	322
Inorganic chemistry	258	249	279	287	279	221	280	247	264	241
Medicinal/pharmaceutical chemistry	96	96	105	114	131	107	115	99	110	112
Nuclear chemistry <sup>a</sup>	5	5	8	6	10	9	4	9	4	NA
Organic chemistry	483	507	567	598	563	525	522	525	556	539

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Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Physical chemistry	338	300	334	279	310	271	285	302	321	264
Polymer chemistry	116	121	110	122	95	107	107	102	110	115
Theoretical chemistry	40	57	48	41	56	52	40	48	49	54
Chemistry, general	458	396	261	285	196	261	202	203	186	198
Chemistry, other	51	72	86	101	159	110	92	86	103	142
Physics	1,479	1,485	1,401	1,378	1,271	1,204	1,197	1,127	1,080	1,186
Acoustics	18	19	19	18	16	10	10	18	24	17
Chemical and atomic/molecular physics	110	129	106	100	100	110	81	82	73	82
Elementary particle physics	183	176	170	173	169	147	121	156	134	163
Fluids physics <sup>a</sup>	18	21	24	26	23	10	8	15	9	NA
Nuclear physics	91	87	106	92	77	74	80	76	67	74
Optics	98	129	123	105	98	117	107	107	95	119
Plasma/high-temperature physics	46	48	39	55	49	38	39	29	32	37
Polymer physics	23	33	19	24	28	21	18	22	13	18
Solid state/low-temperature physics	371	364	328	314	307	279	295	298	272	276
Physics, general	355	323	255	190	202	224	206	173	171	142
Physics, other	166	156	212	281	202	174	232	151	190	258
Other physical sciences	27	13	22	24	17	29	30	18	36	15
Psychology	3,429	3,495	3,557	3,675	3,668	3,618	3,442	3,199	3,281	3,336
Clinical psychology	1,290	1,327	1,255	1,345	1,441	1,353	1,262	1,218	1,188	1,221
Cognitive psychology/psycholinguistics	104	128	166	113	143	141	141	121	133	144
Comparative psychology	4	3	6	6	11	7	5	2	4	6
Counseling	471	465	488	448	460	475	482	469	437	511
Developmental/child psychology	152	188	215	267	193	203	193	171	178	186
Educational psychology	74	92	61	61	64	97	48	54	52	74
Experimental psychology	151	128	146	149	139	133	134	112	119	88
Family/marriage counseling	57	51	63	51	56	54	45	67	62	31
Human/individual family development	150	151	126	119	135	147	137	139	151	144
Industrial/organizational psychology	155	162	187	189	158	188	173	154	158	158
Personality	16	24	26	25	16	23	11	17	17	18
Physiological/psychobiology	92	80	77	92	87	89	92	88	85	83
Psychometrics <sup>a</sup>	10	11	11	9	15	13	2	9	7	NA
Quantitative psychology	13	19	17	15	14	8	10	13	11	29
School psychology	91	82	84	106	121	99	109	89	102	87
Social psychology	155	170	181	186	176	207	198	179	202	163
Psychology, general	306	281	318	300	235	239	223	146	227	226
Psychology, other	138	133	130	194	204	142	177	151	148	167
Social sciences	3,879	4,003	4,110	4,055	4,064	4,156	4,078	4,004	4,142	4,131
Economics	1,152	1,177	1,163	1,156	1,075	1,086	1,081	1,024	1,051	1,066
Agricultural economics	173	169	133	155	149	138	154	120	119	106
Econometrics	27	29	31	25	15	15	13	14	23	18
Economics	952	979	999	976	911	933	914	890	909	942
Political science	894	928	975	959	1,016	987	984	938	1,026	946
International relations and affairs	73	99	88	96	119	77	91	82	99	99
Political science/government	599	622	665	662	655	669	658	606	660	586
Public administration	128	103	95	104	117	103	96	103	120	116
Public policy analysis	94	104	127	97	125	138	139	147	147	145
Sociology	556	528	601	579	572	637	577	565	612	598
Demography/population studies	15	11	24	30	28	20	12	20	15	19
Sociology	541	517	577	549	544	617	565	545	597	579
Other social sciences	1,277	1,370	1,371	1,361	1,401	1,446	1,436	1,477	1,453	1,521
American studies	94	115	84	100	98	113	127	97	94	115
Anthropology	375	397	434	425	463	446	410	495	472	529
Archaeology	35	21	35	34	26	36	40	26	33	34
Area studies	27	28	10	14	11	14	19	25	12	18

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Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Criminology	44	60	49	55	51	66	62	56	76	69
Geography	150	165	149	154	144	197	186	197	168	192
History/philosophy of science and technology	41	37	35	44	50	42	40	46	46	48
Linguistics	201	230	244	220	251	230	230	195	225	253
Statistics	48	48	56	61	72	60	49	54	48	31
Urban affairs and studies	103	108	92	77	57	79	80	92	78	84
Social sciences, general	35	26	26	30	25	37	25	33	28	32
Social sciences, other	124	135	157	147	153	126	168	161	173	116
Engineering	6,008	6,309	6,115	5,924	5,330	5,321	5,505	5,076	5,278	5,776
Aeronautical/astronautical engineering	252	287	273	241	206	214	203	209	200	201
Chemical engineering	708	798	767	776	674	725	729	705	648	723
Chemical engineering	602	681	662	669	576	618	635	607	567	635
Petroleum engineering	48	52	51	48	45	45	37	45	36	34
Polymer/plastics engineering	58	65	54	59	53	62	57	53	45	54
Civil engineering	656	698	655	650	584	556	594	626	674	675
Civil engineering	572	600	592	587	506	480	500	539	552	547
Environmental health	84	98	63	63	78	76	94	87	122	128
Electrical engineering	1,731	1,741	1,720	1,596	1,478	1,544	1,576	1,395	1,466	1,649
Communications	29	32	33	40	39	42	47	22	36	34
Computer engineering	189	208	227	210	203	172	186	164	192	227
Electrical/electronics engineering	1,513	1,501	1,460	1,346	1,236	1,330	1,343	1,209	1,238	1,388
Industrial/manufacturing engineering	284	259	246	229	211	176	206	230	213	217
Materials/metallurgical engineering	588	574	582	565	469	451	497	396	474	509
Ceramic sciences	39	41	39	24	33	22	17	13	18	14
Materials science	476	472	483	482	393	404	448	364	437	473
Metallurgical engineering	73	61	60	59	43	25	32	19	19	22
Mechanical engineering	1,025	1,052	1,022	1,022	855	864	953	827	814	853
Engineering mechanics	108	105	93	86	68	57	75	56	63	98
Mechanical engineering	917	947	929	936	787	807	878	771	751	755
Other engineering	764	900	850	845	853	791	747	688	789	949
Agricultural engineering	73	104	79	74	59	60	52	50	54	60
Bioengineering/biomedical engineering	189	220	211	208	245	252	232	246	280	369
Engineering physics	17	37	24	15	28	26	22	16	28	28
Engineering science	56	52	45	49	49	34	53	31	39	61
Mining/mineral engineering	19	31	33	21	18	10	10	8	14	9
Nuclear engineering	105	113	103	96	76	98	75	64	75	59
Ocean engineering	21	26	34	29	16	18	28	23	12	21
Operations research	48	74	74	62	67	51	55	66	80	72
Systems engineering	47	47	49	68	42	34	47	45	45	58
Engineering, general	60	60	51	29	40	42	25	19	19	29
Engineering, other	129	136	147	194	213	166	148	120	143	183
Non-science and engineering	15,214	15,198	15,309	15,369	15,159	15,399	15,276	15,401	15,481	15,880
Education	6,650	6,785	6,574	6,571	6,546	6,430	6,337	6,487	6,632	6,635
Health	1,329	1,324	1,421	1,500	1,407	1,592	1,622	1,653	1,636	1,730
Humanities	4,691	4,712	5,034	5,116	5,034	5,213	5,161	5,010	5,015	5,017
Professional/other/unknown	2,544	2,377	2,280	2,182	2,172	2,164	2,156	2,251	2,198	2,498

NA = not available (i.e., subfield was not identified separately in questionnaire for that year).

<sup>a</sup> This subfield dropped in 2004.

<sup>b</sup> This subfield introduced in 2001.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.