

TABLE 34. Graduate students in science, engineering, and health fields in private doctorate-granting institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	132,843	133,203	134,998	131,948	136,776	142,507	146,805	155,325
Science and engineering	114,173	113,527	115,184	113,630	118,156	122,654	125,291	130,387
Science	87,148	86,818	88,150	87,318	90,802	94,454	95,869	100,278
Agricultural sciences	417	428	418	464	508	549	623	585
Biological sciences	15,420	15,331	15,657	15,453	16,107	17,078	17,628	19,133
Anatomy	197	201	187	204	183	251	265	286
Biochemistry	1,469	1,498	1,499	1,426	1,381	1,522	1,586	1,699
Biology	3,656	3,560	3,393	3,182	3,217	3,245	3,415	3,693
Biometry/epidemiology	1,178	1,371	1,504	1,423	1,461	1,436	1,583	1,950
Biophysics	329	320	294	302	344	340	352	448
Botany	143	136	140	91	86	65	74	71
Cell biology	1,593	1,524	1,637	1,642	1,646	1,800	1,885	2,021
Ecology	90	89	120	126	163	208	214	181
Entomology/parasitology	60	59	58	49	51	53	48	44
Genetics	569	585	615	603	655	729	755	846
Microbiology/immunology/virology	1,467	1,495	1,580	1,599	1,594	1,800	1,855	1,968
Nutrition	887	772	824	943	962	1,064	1,009	994
Pathology	611	506	527	516	604	629	546	542
Pharmacology	847	901	909	905	1,101	1,164	1,074	1,097
Physiology	925	810	759	818	833	874	931	966
Zoology	64	58	58	37	55	60	56	30
Biosciences, nec	1,335	1,446	1,553	1,587	1,771	1,838	1,980	2,297
Computer sciences	11,987	12,675	13,780	15,391	17,410	18,378	17,151	16,928
Earth, atmospheric, and ocean sciences	2,113	2,101	2,098	2,063	2,135	2,180	2,200	2,326
Atmospheric sciences	24	21	17	25	27	36	36	44
Geosciences	1,195	1,186	1,159	1,138	1,154	1,177	1,153	1,227
Oceanography	391	383	407	403	363	394	419	429
Earth/atmospheric/ocean sciences, nec	503	511	515	497	591	573	592	626
Mathematical sciences	3,738	3,740	3,636	3,307	3,416	3,725	3,878	4,095
Mathematics/applied mathematics	3,230	3,189	3,117	2,692	2,752	3,030	3,112	3,304
Statistics	508	551	519	615	664	695	766	791
Physical sciences	8,188	7,878	8,030	7,831	8,052	8,305	8,870	9,164
Astronomy	307	311	321	346	378	424	443	456
Chemistry	4,800	4,612	4,722	4,537	4,642	4,810	5,119	5,274
Physics	3,076	2,942	2,979	2,939	3,019	3,051	3,301	3,427
Physical sciences, nec	5	13	8	9	13	20	7	7
Psychology	20,701	20,619	20,704	19,937	20,324	20,012	20,511	22,195
Clinical psychology	8,474	8,357	8,474	8,289	8,368	8,310	8,770	9,016
Psychology, general	4,841	4,970	4,678	4,555	4,675	4,150	3,943	4,032
Psychology, nec	7,386	7,292	7,552	7,093	7,281	7,552	7,798	9,147
Social sciences	24,584	24,046	23,827	22,872	22,850	24,227	25,008	25,852
Agricultural economics	70	67	65	60	62	61	72	85
Anthropology (cultural/social)	2,066	2,063	1,993	1,984	1,944	1,929	1,910	1,867
Economics (except agricultural)	3,776	3,733	3,561	3,681	3,859	3,832	3,769	3,573
Geography	293	308	325	321	302	276	299	296
History and philosophy of science	221	227	207	200	198	199	212	218
Linguistics	840	786	736	695	700	678	704	646
Political science	11,146	10,899	10,722	10,559	10,356	11,758	12,290	13,119
Sociology	2,158	1,963	2,107	2,025	1,988	1,985	2,049	1,956
Sociology/anthropology	165	157	114	126	168	118	134	135
Social sciences, nec	3,849	3,843	3,997	3,221	3,273	3,391	3,569	3,957
Engineering	27,025	26,709	27,034	26,312	27,354	28,200	29,422	30,109
Aerospace engineering	719	801	982	987	1,006	1,018	1,110	1,062

TABLE 34. Graduate students in science, engineering, and health fields in private doctorate-granting institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
Agricultural engineering	48	45	46	54	68	64	65	62
Biomedical engineering	961	1,008	1,078	1,142	1,378	1,556	1,752	2,081
Chemical engineering	2,011	1,949	1,962	1,936	1,942	1,931	1,945	1,982
Civil engineering	3,725	3,655	3,337	3,294	3,207	3,425	3,434	3,394
Electrical engineering	9,560	9,986	9,575	9,384	9,903	10,243	10,222	10,100
Engineering science	519	622	502	615	674	764	716	785
Industrial engineering	3,424	2,888	3,277	3,124	3,296	3,510	4,066	4,185
Mechanical engineering	3,572	3,192	3,317	3,235	3,381	3,263	3,649	3,992
Metallurgical/materials engineering	1,357	1,403	1,340	1,188	1,236	1,269	1,313	1,257
Mining engineering	100	93	106	12	5	4	5	0
Nuclear engineering	117	106	114	120	110	109	112	99
Petroleum engineering	115	108	99	96	118	128	120	137
Engineering, nec	797	853	1,299	1,125	1,030	916	913	973
Health	18,670	19,676	19,814	18,318	18,620	19,853	21,514	24,938
Medical fields	5,367	6,122	6,347	5,678	6,143	6,823	7,485	7,862
Anesthesiology	331	325	339	271	293	270	354	315
Cardiology	23	26	29	27	25	27	27	79
Endocrinology	0	0	0	0	0	2	2	1
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	0	0	6	12	7
Neurology	898	936	908	909	963	1,083	1,125	1,223
Obstetrics/gynecology	13	5	3	8	8	10	15	14
Oncology/cancer research	75	70	105	96	115	108	118	137
Ophthalmology	0	0	0	0	0	3	14	19
Otorhinolaryngology	0	0	0	3	0	0	0	0
Pediatrics	101	102	73	146	93	101	68	69
Preventive medicine/community health	3,435	4,136	4,359	3,693	3,835	4,252	4,538	4,776
Psychiatry	34	22	29	63	40	53	45	46
Pulmonary disease	0	0	5	6	7	0	0	1
Radiology	58	43	52	42	45	42	65	26
Surgery	3	4	4	8	8	8	9	7
Clinical medicine, nec	396	453	441	406	711	858	1,093	1,142
Other health	13,303	13,554	13,467	12,640	12,477	13,030	14,029	17,076
Dental sciences	321	314	268	217	255	241	289	336
Nursing	4,614	4,270	4,232	3,735	3,743	3,827	3,968	4,844
Pharmaceutical sciences	531	667	726	643	694	822	975	1,254
Speech pathology/audiology	1,857	2,019	1,972	2,067	2,007	2,416	2,598	2,982
Veterinary sciences	52	53	47	45	46	53	52	58
Health related, nec	5,928	6,231	6,222	5,933	5,732	5,671	6,147	7,602

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.