

Appendix table 4-13. Doctorates awarded, by citizenship status, racial/ethnic group, and field of doctorate: 1997

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Field of doctorate	U.S. citizens and permanent residents, total ¹	White, non-Hispanic	Asian/Pacific Islander	Black, non-Hispanic	Hispanic				American Indian/Alaskan Native
					Hispanic, total	Puerto Rican	Mexican American	Other Hispanic	
Total, all fields...	30,601	23,789	3,140	1,476	1,181	312	299	570	151
Science and engineering, total...	18,005	13,623	2,527	607	645	173	157	315	71
Engineering, total...	3,281	2,262	704	97	95	23	17	55	12
Chemical...	405	291	73	16	7	1	3	3	2
Civil...	323	215	74	10	11	5	1	5	2
Electrical...	927	575	253	31	26	4	5	17	4
Mechanical...	531	373	111	12	15	6	3	6	4
Other engineering...	1,095	808	193	28	36	7	5	24	0
Sciences, total...	14,724	11,361	1,823	510	550	150	140	260	59
Physical sciences, total...	2,473	1,866	404	50	64	20	15	29	9
Astronomy...	157	131	8	2	3	0	0	3	1
Chemistry...	1,426	1,071	235	33	39	13	9	17	6
Physics...	875	650	160	15	22	7	6	9	2
Other physical sciences...	15	14	1	0	0	0	0	0	0
Earth, atmospheric, & ocean sciences...	587	470	71	9	16	5	4	7	2
Mathematics...	616	470	99	7	18	4	3	11	1
Computer sciences...	506	357	106	4	16	6	2	8	1
Biological sciences...	4,203	3,120	717	108	145	37	42	66	9
Agricultural sciences...	546	410	63	24	26	4	2	20	4
Psychology...	2,976	2,464	128	152	169	58	47	64	17
Social sciences...	2,817	2,204	235	156	96	16	25	55	16
Non-S&E, total...	12,596	10,166	613	869	536	139	142	255	80
Health...	1,011	817	86	55	31	9	7	15	5
Humanities...	4,151	3,491	173	139	200	49	35	116	16
Education...	5,532	4,417	176	553	253	70	87	96	48
Professional/other...	1,902	1,441	178	122	52	11	13	28	11

See explanatory information and SOURCES at end of table.

Appendix table 4-13. Doctorates awarded, by citizenship status, racial/ethnic group, and field of doctorate: 1997

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Field of doctorate	U.S. citizens and permanent residents, total ¹	White, non-Hispanic	Asian/Pacific Islander	Black, non-Hispanic	Hispanic				American Indian/Alaskan Native
					Hispanic, total	Puerto Rican	Mexican American	Other Hispanic	
Percentage distribution									
Total, all fields...	100.0	77.7	10.3	4.8	3.9	1.0	1.0	1.9	0.5
Science and engineering, total...	100.0	75.7	14.0	3.4	3.6	1.0	0.9	1.7	0.4
Engineering, total...	100.0	68.9	21.5	3.0	2.9	0.7	0.5	1.7	0.4
Chemical...	100.0	71.9	18.0	4.0	1.7	0.2	0.7	0.7	0.5
Civil...	100.0	66.6	22.9	3.1	3.4	1.5	0.3	1.5	0.6
Electrical...	100.0	62.0	27.3	3.3	2.8	0.4	0.5	1.8	0.4
Mechanical...	100.0	70.2	20.9	2.3	2.8	1.1	0.6	1.1	0.8
Other engineering...	100.0	73.8	17.6	2.6	3.3	0.6	0.5	2.2	0.0
Sciences, total...	100.0	77.2	12.4	3.5	3.7	1.0	1.0	1.8	0.4
Physical sciences, total...	100.0	75.5	16.3	2.0	2.6	0.8	0.6	1.2	0.4
Astronomy...	100.0	83.4	5.1	1.3	1.9	0.0	0.0	1.9	0.6
Chemistry...	100.0	75.1	16.5	2.3	2.7	0.9	0.6	1.2	0.4
Physics...	100.0	74.3	18.3	1.7	2.5	0.8	0.7	1.0	0.2
Other physical sciences...	100.0	93.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, & ocean sciences...	100.0	80.1	12.1	1.5	2.7	0.9	0.7	1.2	0.3
Mathematics...	100.0	76.3	16.1	1.1	2.9	0.6	0.5	1.8	0.2
Computer sciences...	100.0	70.6	20.9	0.8	3.2	1.2	0.4	1.6	0.2
Biological sciences...	100.0	74.2	17.1	2.6	3.4	0.9	1.0	1.6	0.2
Agricultural sciences...	100.0	75.1	11.5	4.4	4.8	0.7	0.4	3.7	0.7
Psychology...	100.0	82.8	4.3	5.1	5.7	1.9	1.6	2.2	0.6
Social sciences...	100.0	78.2	8.3	5.5	3.4	0.6	0.9	2.0	0.6
Non-S&E, total...	100.0	80.7	4.9	6.9	4.3	1.1	1.1	2.0	0.6
Health...	100.0	80.8	8.5	5.4	3.1	0.9	0.7	1.5	0.5
Humanities...	100.0	84.1	4.2	3.3	4.8	1.2	0.8	2.8	0.4
Education...	100.0	79.8	3.2	10.0	4.6	1.3	1.6	1.7	0.9
Professional/other...	100.0	75.8	9.4	6.4	2.7	0.6	0.7	1.5	0.6

¹ Total includes those of other or unknown race/ethnicity not shown separately.

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

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2000