

## Science and Engineering Degrees, by Fine Field of Study and by Race/Ethnicity of Recipient: 1995 - [Early Release Tables]

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### Introduction

For the first time in Academic Year ending July 1995, data were collected by the U.S. Department of Education on bachelor's and master's degree recipients by race/ethnicity/citizenship *for specific science and engineering fields*. (From 1975 to 1994, data were collected by race/ethnicity for only very broad fields of study in the Completions Surveys conducted by the National Center for Education Statistics (NCES)/U.S. Department of Education.)

The Division of Science Resources Studies/National Science Foundation has tabulated data from the 1995 Completions file for the 50 States, D.C., and the territories to present this data on race/ethnicity for the specific fields in the degrees science and engineering taxonomy. (See [Attachment](#) for these groupings). Please note that the data in **Tables A and B** will differ from the trend data by race/ethnicity that are published in *Science and Engineering Degrees, by Race/Ethnicity of Recipient: 1989-95* (NSF 97-334), as the trend data still must be tabulated on the broad fields of science and engineering collected earlier. Please refer to this report, however, for further information on the survey methodology used to obtain these data.

**Table A** presents *bachelor's degree* data by race/ethnicity of U.S. citizens and permanent resident aliens, and for non-U.S. citizens on temporary visas, by fine fields of study. **Table B** presents *master's degree* data by race/ethnicity of U.S. citizens and permanent resident aliens, and for non-U.S. citizens on temporary visas, by fine fields of study. Similar data at the doctoral level has been available since 1975 from the Survey of Earned Doctorates. See *Science and Engineering Doctorates: 1996* (NSF 97-329).

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**List of Tables** 

The following tables are available in Spreadsheet (.xls) format.  
See [Help](#) for more information about viewing files in different formats.

	Title
Table A	<a href="#">Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient:</a>
Table B	<a href="#">Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1</a>



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Table A Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Total science and engineering .....	378,148	363,463	275,819	28,604	50,265	26,911	21,359	1,995	8,775	14,685
Engineering .....	63,371	58,561	43,766	6,785	6,717	2,845	3,651	221	1,293	4,810
Aeronautical/Astronautical Engineering .....	1,771	1,655	1,301	159	160	64	93	3	35	116
14.02 Aerospace, Aeronautical, & Astronautical Engineering .....	1,771	1,655	1,301	159	160	64	93	3	35	116
Chemical Engineering .....	6,391	5,867	4,417	652	681	305	345	31	117	524
14.07 Chemical Engineering .....	6,033	5,605	4,203	640	652	292	331	29	110	428
14.25 Petroleum Engineering .....	303	210	171	10	27	12	13	2	2	93
14.32 Polymer/Plastics Engineering .....	55	52	43	2	2	1	1	0	5	3
Civil Engineering .....	11,329	10,892	8,646	942	1,077	326	693	58	227	437
14.04 Architectural Engineering .....	558	531	430	25	68	39	25	4	8	27
14.08 Civil Engineering .....	10,130	9,739	7,691	885	958	264	646	48	205	391
14.14 Environmental/Environmental Health Engineering .....	641	622	525	32	51	23	22	6	14	19
Electrical Engineering .....	17,579	15,462	10,079	2,769	2,192	1,048	1,101	43	422	2,117
14.09 Computer Engineering .....	2,389	2,045	1,395	364	225	67	151	7	61	344
14.10 Electrical, Electronics, & Communications Engineering .....	15,190	13,417	8,684	2,405	1,967	981	950	36	361	1,773
Industrial Engineering .....	3,519	3,095	2,220	287	542	236	302	4	46	424
14.17 Industrial/Manufacturing Engineering .....	3,279	2,870	2,031	278	519	225	291	3	42	409
14.30 Engineering/Industrial Mgt .....	240	225	189	9	23	11	11	1	4	15
Materials/Metallurgical Engineering .....	1,046	1,016	851	93	50	22	26	2	22	30
14.06 Ceramic Sciences & Engineering .....	191	188	163	13	9	9	0	0	3	3
14.18 Materials Engineering .....	501	484	399	60	22	9	12	1	3	17
14.20 Metallurgical Engineering .....	268	261	215	15	18	4	13	1	13	7
14.31 Materials Science .....	86	83	74	5	1	0	1	0	3	3
40.0701 Metallurgy .....	0	0	0	0	0	0	0	0	0	0
Mechanical Engineering .....	15,141	14,360	11,332	1,249	1,486	604	827	55	293	781
14.11 Engineering Mechanics .....	131	129	113	11	4	3	1	0	1	2
14.19 Mechanical Engineering .....	15,010	14,231	11,219	1,238	1,482	601	826	55	292	779
Other Engineering .....	6,595	6,214	4,920	634	529	240	264	25	131	381
14.01 Engineering, General .....	2,041	1,903	1,426	207	217	104	107	6	53	138
14.03 Agricultural Engineering .....	591	577	502	25	38	20	15	3	12	14
14.05 Bioengineering & Biomedical Engineering .....	913	858	574	204	61	25	35	1	19	55
14.12 Engineering Physics .....	263	247	206	18	13	9	4	0	10	16
14.13 Engineering Science .....	279	270	211	26	26	11	15	0	7	9
14.15 Geological Engineering .....	125	123	117	2	1	0	1	0	3	2
14.16 Geophysical Engineering .....	19	17	15	0	2	1	1	0	0	2
14.21 Mining & Mineral Engineering .....	121	109	100	4	3	2	1	0	2	12
14.22 Naval Architecture & Marine Engineering .....	278	256	235	12	7	2	2	3	2	22
14.23 Nuclear Engineering .....	247	235	204	15	15	5	10	0	1	12
14.24 Ocean Engineering .....	152	145	127	3	15	4	10	1	0	7
14.27 Systems Engineering .....	349	319	222	38	57	21	36	0	2	30
14.28 Textile Sciences & Engineering .....	68	66	56	5	4	3	1	0	1	2
14.29 Engineering Design .....	0	0	0	0	0	0	0	0	0	0
14.99 Engineering, Other .....	1,108	1,048	885	75	70	33	26	11	18	60
45.0702 Cartography .....	41	41	40	0	0	0	0	0	1	0

See explanatory information and SOURCE at end of table.

Table A Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Sciences .....	314,777	304,902	232,053	21,819	43,548	24,066	17,708	1,774	7,482	9,875
Natural sciences .....	129,465	124,311	94,609	12,009	14,789	7,994	6,120	675	2,904	5,154
Physical sciences <sup>3</sup> .....	19,375	18,652	14,952	1,347	1,932	1,034	800	98	421	723
Astronomy .....	169	159	132	13	9	3	6	0	5	10
40.02 Astronomy .....	121	113	93	10	6	2	4	0	4	8
40.03 Astrophysics .....	48	46	39	3	3	1	2	0	1	2
Chemistry .....	10,016	9,620	7,112	986	1,348	738	553	57	174	396
40.0501 Chemistry, General .....	9,673	9,287	6,909	952	1,254	723	475	56	172	386
40.0502 Analytical Chemistry .....	6	5	5	0	0	0	0	0	0	1
40.0503 Inorganic Chemistry .....	0	0	0	0	0	0	0	0	0	0
40.0504 Organic Chemistry .....	11	11	10	0	1	1	0	0	0	0
40.0505 Medicinal/Pharmaceutical Chemistry .....	16	16	4	10	0	0	0	0	2	0
40.0506 Physical & Theoretical Chemistry .....	3	3	2	1	0	0	0	0	0	0
40.0507 Polymer Chemistry .....	5	5	5	0	0	0	0	0	0	0
40.0599 Chemistry, Other .....	302	293	177	23	93	14	78	1	0	9
Physics .....	3,836	3,613	3,004	214	290	172	105	13	105	223
40.0801 Physics, General .....	3,669	3,450	2,871	207	271	167	91	13	101	219
40.0802 Chemical & Atomic/ Molecular Physics .....	16	16	12	3	0	0	0	0	1	0
40.0804 Elementary Particle Physics .....	0	0	0	0	0	0	0	0	0	0
40.0805 Plasma & High-Temperature Physics .....	0	0	0	0	0	0	0	0	0	0
40.0806 Nuclear Physics .....	0	0	0	0	0	0	0	0	0	0
40.0807 Optics .....	13	13	13	0	0	0	0	0	0	0
40.0808 Solid State & Low- Temperature Physics .....	0	0	0	0	0	0	0	0	0	0
40.0809 Acoustics .....	0	0	0	0	0	0	0	0	0	0
40.0810 Theoretical & Mathematical Physics .....	11	11	4	0	7	1	6	0	0	0
40.0899 Physics, Other .....	127	123	104	4	12	4	8	0	3	4
Earth, atmospheric, & ocean sciences .....	4,478	4,405	4,012	102	174	64	84	26	117	73
Atmospheric Sciences .....	444	440	401	12	16	11	5	0	11	4
40.04 Atmospheric Sciences & Meteorology .....	444	440	401	12	16	11	5	0	11	4
Geosciences .....	3,820	3,761	3,430	77	148	49	74	25	106	59
40.0601 Geology .....	2,858	2,817	2,563	54	117	40	59	18	83	41
40.0602 Geochemistry .....	14	14	13	0	1	0	1	0	0	0
40.0603 Geophysics & Seismology .....	65	58	51	2	2	0	1	1	3	7
40.0604 Paleontology .....	0	0	0	0	0	0	0	0	0	0
40.0699 Geological & Related Sciences, Other .....	183	178	170	4	4	2	2	0	0	5
40.0703 Earth & Planetary Sciences .....	700	694	633	17	24	7	11	6	20	6
Oceanography .....	214	204	181	13	10	4	5	1	0	10
40.0702 Oceanography .....	214	204	181	13	10	4	5	1	0	10
Other Physical Sciences .....	876	855	692	32	111	57	52	2	20	21
40.01 Physical Sciences, General .....	422	412	320	18	63	41	21	1	11	10
40.0799 Miscellaneous Physical Sciences, Other .....	106	104	84	1	18	0	18	0	1	2
40.99 Physical Sciences, Other .....	348	339	288	13	30	16	13	1	8	9

See explanatory information and SOURCE at end of table.

Table A Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Mathematical sciences .....	13,851	13,258	10,486	964	1,538	958	522	58	270	593
27.01 Mathematics, General .....	12,022	11,534	9,171	753	1,380	867	461	52	230	488
27.03 Applied Mathematics .....	703	668	449	120	75	46	26	3	24	35
27.05 Mathematical Statistics .....	467	437	356	42	31	13	18	0	8	30
27.99 Mathematics, Other .....	338	321	254	27	35	21	12	2	5	17
52.0802 Actuarial Science .....	285	265	235	20	9	7	1	1	1	20
52.1302 Business Statistics .....	36	33	21	2	8	4	4	0	2	3
Computer Sciences .....	24,769	22,472	15,601	2,371	3,941	2,517	1,314	110	559	2,297
11.01 Computer & Information Sciences, General .....	15,685	14,168	9,942	1,770	2,096	1,315	717	64	360	1,517
11.02 Computer Programming .....	291	277	176	19	82	15	67	0	0	14
11.03 Data Processing Technology/Technician .....	196	167	139	2	22	19	3	0	4	29
11.04 Information Sciences & Systems .....	4,049	3,760	2,415	314	938	665	248	25	93	289
11.05 Computer Systems Analysis .....	224	212	178	11	23	15	7	1	0	12
11.0701 Computer Science .....	3,375	3,003	2,156	216	548	315	219	14	83	372
11.99 Computer & Information Sciences, Other .....	842	780	526	33	206	154	46	6	15	62
52.1204 Business Systems Networking & Telecommunications .....	107	105	69	6	26	19	7	0	4	2
Biological Sciences .....	56,890	55,607	40,697	7,045	6,618	3,232	3,101	285	1,247	1,283
19.0505 Food Systems Administration .....	49	47	37	0	10	0	10	0	0	2
26.01 Biology, General .....	42,306	41,417	30,434	4,673	5,437	2,844	2,393	200	873	889
26.02 Biochemistry & Biophysics .....	2,889	2,748	1,682	783	197	88	100	9	86	141
26.03 Botany .....	315	308	269	11	8	3	2	3	20	7
26.04 Cell & Molecular Biology .....	1,759	1,702	901	607	114	37	69	8	80	57
26.05 Microbiology/Bacteriology .....	1,994	1,931	1,319	276	287	89	182	16	49	63
26.0601 Anatomy .....	81	72	63	4	5	0	5	0	0	9
26.0603 Ecology .....	732	727	659	20	29	7	20	2	19	5
26.0607 Marine/Aquatic Biology .....	702	696	612	11	62	26	34	2	11	6
26.0608 Neurosciences .....	193	190	128	41	18	6	12	0	3	3*
26.0609 Nutritional Sciences .....	372	363	292	37	28	7	18	3	6	9
26.0610 Parasitology .....	0	0	0	0	0	0	0	0	0	0
26.0611 Radiation Biology/Radiobiology .....	0	0	0	0	0	0	0	0	0	0
26.0612 Toxicology .....	56	54	46	2	6	4	2	0	0	2
26.0613 Genetics, Plant & Animal .....	179	175	135	27	11	3	6	2	2	4
26.0614 Biometrics .....	15	15	13	0	1	0	0	1	1	0
26.0615 Biostatistics .....	1	1	1	0	0	0	0	0	0	0
26.0616 Biotechnology Research .....	41	39	34	1	2	1	0	1	2	2
26.0617 Evolutionary Biology .....	0	0	0	0	0	0	0	0	0	0
26.0618 Biological Immunology .....	0	0	0	0	0	0	0	0	0	0
26.0619 Virology .....	0	0	0	0	0	0	0	0	0	0
26.0699 Miscellaneous Biological Specializations, Other .....	360	349	282	38	23	8	14	1	6	11
26.07 Zoology .....	3,206	3,166	2,657	261	178	62	91	25	70	40
26.99 Biological Sciences/Life Sciences, Other .....	1,603	1,570	1,101	251	200	46	142	12	18	33
30.10 Biopsychology .....	27	27	23	2	2	1	1	0	0	0
51.1303 Medical Biomathematics & Biometrics .....	0	0	0	0	0	0	0	0	0	0
51.1304 Medical Physics/Biophysics .....	0	0	0	0	0	0	0	0	0	0
51.1305 Medical Cell Biology .....	10	10	9	0	0	0	0	0	1	0
51.1306 Medical Genetics .....	0	0	0	0	0	0	0	0	0	0
51.1309 Medical Molecular Biology .....	0	0	0	0	0	0	0	0	0	0
51.1310 Medical Neurobiology .....	0	0	0	0	0	0	0	0	0	0
51.1311 Medical Nutrition .....	0	0	0	0	0	0	0	0	0	0

See explanatory information and SOURCE at end of table.

Table 11. Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Agricultural Sciences .....	14,580	14,322	12,873	282	760	253	383	124	407	258
02.01 Agriculture/Agricultural Sciences, General .....	1,051	1,033	904	16	93	67	22	4	20	18
02.02 Animal Sciences .....	3,231	3,188	2,867	36	218	74	113	31	67	43
02.03 Food Sciences & Technology .....	498	453	360	49	39	21	16	2	5	45
02.04 Plant Sciences .....	1,792	1,740	1,607	14	81	19	51	11	38	52
02.05 Soil Sciences .....	156	153	132	3	11	2	7	2	7	3
02.99 Agriculture/Agricultural Sciences, Other .....	142	139	119	1	9	2	6	1	10	3
03.01 Natural Resources Conservation .....	4,310	4,267	3,858	110	185	40	112	33	114	43
03.02 Natural Resources Management & Protective Services .....	438	438	393	8	11	1	7	3	26	0
03.03 Fishing & Fisheries Sciences & Management .....	206	204	172	2	10	7	2	1	20	2
03.05 Forestry & Related Sciences .....	1,289	1,258	1,154	7	47	13	14	20	50	31
03.06 Wildlife & Wildlands Mgt .....	1,084	1,070	991	5	40	4	26	10	34	14
03.99 Conservation & Renewable Natural Resources, Other .....	383	379	316	31	16	3	7	6	16	4
Social sciences .....	185,312	180,591	137,444	9,810	28,759	16,072	11,588	1,099	4,578	4,721
Psychology .....	72,601	71,659	55,914	3,331	10,691	5,741	4,543	407	1,723	942
42.01 Psychology, General .....	68,458	67,569	53,025	3,007	9,921	5,304	4,248	369	1,616	889
42.02 Clinical Psychology .....	66	65	47	4	13	10	3	0	1	1
42.03 Cognitive Psychology & Psycholinguistics .....	48	47	42	4	1	0	1	0	0	1
42.04 Community Psychology .....	56	55	45	0	10	9	1	0	0	1
42.06 Counseling Psychology .....	256	244	193	1	49	39	7	3	1	12
42.07 Developmental & Child Psychology .....	712	702	543	23	100	45	45	10	36	10
42.08 Experimental Psychology .....	219	216	175	6	34	30	4	0	1	3
42.09 Industrial & Organizational Psychology .....	109	107	83	6	17	5	12	0	1	2
42.11 Physiological Psychology/ Psychobiology .....	184	183	130	36	14	8	6	0	3	1
42.16 Social Psychology .....	500	496	344	37	96	53	40	3	19	4
42.99 Psychology, Other .....	1,993	1,975	1,287	207	436	238	176	22	45	18
51.2303 Hypnotherapy .....	0	0	0	0	0	0	0	0	0	0
51.2705 Psychoanalysis .....	0	0	0	0	0	0	0	0	0	0
Social science .....	112,711	108,932	81,530	6,479	18,068	10,331	7,045	692	2,855	3,779
Economics .....	19,083	17,393	12,869	1,995	2,073	1,156	844	73	456	1,690
01.0103 Agricultural Economics .....	1,348	1,316	1,126	18	149	111	28	10	23	32
45.06 Economics .....	17,735	16,077	11,743	1,977	1,924	1,045	816	63	433	1,658
Political Science .....	41,978	40,890	30,907	2,088	6,943	3,859	2,866	218	952	1,088
44.04 Public Administration .....	2,479	2,453	1,681	127	590	392	190	8	55	26
44.05 Public Policy Analysis .....	375	374	274	28	69	47	22	0	3	1
44.99 Public Administration & Services, Other .....	454	452	247	18	171	111	53	7	16	2
45.09 International Relations & Affairs .....	5,486	5,033	3,968	370	581	181	390	10	114	453
45.10 Political Science & Government .....	33,184	32,578	24,737	1,545	5,532	3,128	2,211	193	764	606
Sociology .....	22,974	22,642	16,170	989	4,951	3,208	1,567	176	532	332
45.05 Demography & Population Studies .....	2	2	2	0	0	0	0	0	0	0
45.11 Sociology .....	22,972	22,640	16,168	989	4,951	3,208	1,567	176	532	332

See explanatory information and SOURCE at end of table.

Table A. Number of earned bachelor's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients										
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Unknown race/ethnicity	Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities						
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives			
Other Social Sciences .....	28,676	28,007	21,584	1,407	4,101	2,108	1,768	225	915	669	
05 Area, Ethnic, & Cultural Studies .....	5,176	4,951	3,156	510	1,123	607	476	40	162	225	
16.0102 Linguistics .....	564	484	339	51	63	17	40	6	31	80	
30.1101 Gerontology .....	178	175	128	4	41	11	28	2	2	3	
30.1501 Science, Technology, & Society .....	61	60	45	3	9	2	7	0	3	1	
45.01 Social Sciences, General .....	7,256	7,165	5,578	214	1,121	657	411	53	252	91	
45.02 Anthropology .....	5,683	5,570	4,589	255	516	144	305	67	210	113	
45.03 Archeology .....	123	121	107	4	6	1	3	2	4	2	
45.04 Criminology .....	2,494	2,482	1,932	50	472	264	190	18	28	12	
45.07 Geography .....	4,269	4,181	3,696	119	224	85	115	24	142	88	
45.0804 History & Philosophy of Science & Technology .....	29	28	26	2	0	0	0	0	0	1	
45.12 Urban Affairs/Studies .....	648	640	408	41	164	121	40	3	27	8	
45.99 Social Sciences & History, Other .....	2,195	2,150	1,580	154	362	199	153	10	54	45	
Non-S&E <sup>4</sup> .....	796,288	773,961	616,966	30,691	108,167	58,376	45,332	4,459	18,137	22,327	
Grand total .....	1,174,436	1,137,424	892,785	59,295	158,432	85,287	66,691	6,454	26,912	37,012	

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

<sup>3</sup> In this report, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>4</sup> Non-S&E refers to non-science and non-engineering.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys

Table B . Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Total science and engineering .....	94,309	72,092	54,610	5,989	7,462	4,210	2,945	307	4,031	22,217
Engineering .....	28,630	18,931	13,831	2,572	1,419	665	711	43	1,109	9,699
Aeronautical/Astronautical Engineering .....	821	615	451	44	37	13	22	2	83	206
14.02 Aerospace, Aeronautical, & Astronautical Engineering .....	821	615	451	44	37	13	22	2	83	206
Chemical Engineering .....	1,369	685	494	100	61	28	30	3	30	684
14.07 Chemical Engineering .....	1,090	587	428	81	52	23	26	3	26	503
14.25 Petroleum Engineering .....	200	61	42	10	7	4	3	0	2	139
14.32 Polymer/Plastics Engineering .....	79	37	24	9	2	1	1	0	2	42
Civil Engineering .....	5,168	3,712	2,913	369	266	105	151	10	164	1,456
14.04 Architectural Engineering .....	25	19	17	1	0	0	0	0	1	6
14.08 Civil Engineering .....	4,087	2,822	2,173	300	229	91	128	10	120	1,265
14.14 Environmental/Environmental Health Engineering .....	1,056	871	723	68	37	14	23	0	43	185
Electrical Engineering .....	8,743	5,375	3,473	1,117	435	228	197	10	350	3,368
14.09 Computer Engineering .....	1,040	539	314	161	29	16	13	0	35	501
14.10 Electrical, Electronics, & Communications Engineering .....	7,703	4,836	3,159	956	406	212	184	10	315	2,867
Industrial Engineering .....	2,873	1,874	1,342	221	180	80	95	5	131	999
14.17 Industrial/Manufacturing Engineering .....	2,067	1,191	863	158	92	50	40	2	78	876
14.30 Engineering/Industrial Mgt .....	806	683	479	63	88	30	55	3	53	123
Materials/Metallurgical Engineering .....	852	535	447	42	24	12	11	1	22	317
14.06 Ceramic Sciences & Engineering .....	88	61	53	4	3	1	1	1	1	27
14.18 Materials Engineering .....	506	323	261	32	19	11	8	0	11	183
14.20 Metallurgical Engineering .....	165	100	87	3	2	0	2	0	8	65
14.31 Materials Science .....	82	43	38	3	0	0	0	0	2	39
40.0701 Metallurgy .....	11	8	8	0	0	0	0	0	0	3
Mechanical Engineering .....	4,368	2,939	2,237	344	198	91	100	7	160	1,429
14.11 Engineering Mechanics .....	151	108	100	3	3	2	1	0	2	43
14.19 Mechanical Engineering .....	4,217	2,831	2,137	341	195	89	99	7	158	1,386
Other Engineering .....	4,436	3,196	2,474	335	218	108	105	5	169	1,240
14.01 Engineering, General .....	1,401	1,002	721	135	78	43	34	1	68	399
14.03 Agricultural Engineering .....	160	97	80	10	5	3	2	0	2	63
14.05 Bioengineering & Biomedical Engineering .....	480	348	256	56	23	13	9	1	13	132
14.12 Engineering Physics .....	63	43	30	6	3	1	2	0	4	20
14.13 Engineering Science .....	326	196	162	16	11	6	5	0	7	130
14.15 Geological Engineering .....	40	32	26	3	0	0	0	0	3	8
14.16 Geophysical Engineering .....	6	5	5	0	0	0	0	0	0	1
14.21 Mining & Mineral Engineering .....	72	39	32	2	2	0	1	1	3	33
14.22 Naval Architecture & Marine Engineering .....	30	19	15	1	1	0	1	0	2	11
14.23 Nuclear Engineering .....	264	205	185	3	15	2	12	1	2	59
14.24 Ocean Engineering .....	109	65	61	3	0	0	0	0	1	44
14.27 Systems Engineering .....	404	285	221	25	28	12	16	0	11	119
14.28 Textile Sciences & Engineering .....	28	24	20	1	2	2	0	0	1	4
14.29 Engineering Design .....	0	0	0	0	0	0	0	0	0	0
14.99 Engineering, Other .....	1,051	834	658	74	50	26	23	1	52	217
45.0702 Cartography .....	2	2	2	0	0	0	0	0	0	0

See explanatory information and SOURCE at end of table.



Table B . Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
				Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives			
Sciences .....	65,679	53,161	40,779	3,417	6,043	3,545	2,234	264	2,922	12,518
Natural sciences .....	29,288	20,986	15,836	2,305	1,650	897	674	79	1,195	8,302
Physical sciences <sup>3</sup> .....	5,724	3,972	3,171	288	295	147	129	19	218	1,752
Astronomy .....	119	94	77	8	6	4	2	0	3	25
40.02 Astronomy .....	86	68	57	3	5	3	2	0	3	18
40.03 Astrophysics .....	33	26	20	5	1	1	0	0	0	7
Chemistry .....	2,105	1,366	1,007	136	139	77	51	11	84	739
40.0501 Chemistry, General .....	1,962	1,279	937	130	134	75	49	10	78	683
40.0502 Analytical Chemistry .....	16	11	10	0	1	1	0	0	0	5
40.0503 Inorganic Chemistry .....	3	2	2	0	0	0	0	0	0	1
40.0504 Organic Chemistry .....	22	11	10	1	0	0	0	0	0	11
40.0505 Medicinal/Pharmaceutical Chemistry .....	37	21	16	3	0	0	0	0	2	16
40.0506 Physical & Theoretical Chemistry .....	17	9	8	0	1	1	0	0	0	8
40.0507 Polymer Chemistry .....	14	10	7	0	1	0	1	0	2	4
40.0599 Chemistry, Other .....	34	23	17	2	2	0	1	1	2	11
Physics .....	1,826	1,144	924	91	82	41	37	4	47	682
40.0801 Physics, General .....	1,686	1,054	847	85	78	41	33	4	44	632
40.0802 Chemical & Atomic/ Molecular Physics .....	0	0	0	0	0	0	0	0	0	0
40.0804 Elementary Particle Physics .....	0	0	0	0	0	0	0	0	0	0
40.0805 Plasma & High-Temperature Physics .....	0	0	0	0	0	0	0	0	0	0
40.0806 Nuclear Physics .....	4	4	4	0	0	0	0	0	0	0
40.0807 Optics .....	54	40	32	5	2	0	2	0	1	14
40.0808 Solid State & Low- Temperature Physics .....	1	1	1	0	0	0	0	0	0	0
40.0809 Acoustics .....	0	0	0	0	0	0	0	0	0	0
40.0810 Theoretical & Mathematical Physics .....	0	0	0	0	0	0	0	0	0	0
40.0899 Physics, Other .....	81	45	40	1	2	0	2	0	2	36
Earth, atmospheric, & ocean sciences .....	1,483	1,198	1,019	50	53	15	34	4	76	285
Atmospheric Sciences .....	203	151	133	6	8	2	6	0	4	52
40.04 Atmospheric Sciences & Meteorology .....	203	151	133	6	8	2	6	0	4	52
Geosciences .....	1,142	938	819	37	45	13	28	4	37	204
40.0601 Geology .....	853	709	622	21	33	9	21	3	33	144
40.0602 Geochemistry .....	4	3	3	0	0	0	0	0	0	1
40.0603 Geophysics & Seismology .....	75	50	38	7	5	1	4	0	0	25
40.0604 Paleontology .....	0	0	0	0	0	0	0	0	0	0
40.0699 Geological & Related Sciences, Other .....	61	48	42	2	2	0	2	0	2	13
40.0703 Earth & Planetary Sciences .....	149	128	114	7	5	3	1	1	2	21
Oceanography .....	138	109	67	7	0	0	0	0	35	29
40.0702 Oceanography .....	138	109	67	7	0	0	0	0	35	29
Other Physical Sciences .....	191	170	144	3	15	10	5	0	8	21
40.01 Physical Sciences, General .....	38	34	29	1	4	2	2	0	0	4
40.0799 Miscellaneous Physical Sciences, Other .....	99	89	81	0	1	0	1	0	7	10
40.99 Physical Sciences, Other .....	54	47	34	2	10	8	2	0	1	7

See explanatory information and SOURCE at end of table.

Table B . Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
					Total	Black, non-Hispanics	Hispanics	American Indians or Alaskan Natives		
Mathematical sciences .....	3,932	2,816	2,222	228	223	140	72	11	143	1,116
27.01 Mathematics, General .....	2,447	1,845	1,442	133	163	105	51	7	107	602
27.03 Applied Mathematics .....	387	242	188	20	19	14	5	0	15	145
27.05 Mathematical Statistics .....	910	614	488	70	36	17	15	4	20	296
27.99 Mathematics, Other .....	85	65	60	1	3	3	0	0	1	20
52.0802 Actuarial Science .....	73	41	36	4	1	1	0	0	0	32
52.1302 Business Statistics .....	30	9	8	0	1	0	1	0	0	21
Computer Sciences .....	10,563	6,667	4,354	1,266	599	373	210	16	448	3,896
11.01 Computer & Information Sciences, General .....	7,407	4,396	2,770	977	318	180	128	10	331	3,011
11.02 Computer Programming .....	10	10	7	1	1	1	0	0	1	0
11.03 Data Processing Technology/Technician .....	0	0	0	0	0	0	0	0	0	0
11.04 Information Sciences & Systems .....	1,349	1,013	710	118	130	88	40	2	55	336
11.05 Computer Systems Analysis .....	56	18	15	1	2	2	0	0	0	38
11.0701 Computer Science .....	1,091	654	443	101	60	38	19	3	50	437
11.99 Computer & Information Sciences, Other .....	419	361	260	41	50	38	11	1	10	58
52.1204 Business Systems Networking & Telecommunications .....	231	215	149	27	38	26	12	0	1	16
Biological Sciences .....	5,495	4,610	3,642	426	350	163	167	20	192	885
19.0505 Food Systems Administration .....	13	11	10	0	1	1	0	0	0	2
26.01 Biology, General .....	2,376	2,117	1,656	153	206	102	95	9	102	259
26.02 Biochemistry & Biophysics .....	339	218	150	48	8	5	3	0	12	121
26.03 Botany .....	224	168	149	9	7	1	6	0	3	56
26.04 Cell & Molecular Biology .....	157	119	80	20	8	3	4	1	11	38
26.05 Microbiology/Bacteriology .....	295	222	175	18	23	10	11	2	6	73
26.0601 Anatomy .....	63	58	43	12	1	1	0	0	2	5
26.0603 Ecology .....	205	190	176	2	8	2	4	2	4	15
26.0607 Marine/Aquatic Biology .....	92	81	71	2	7	1	6	0	1	11
26.0608 Neurosciences .....	49	40	27	6	4	2	1	1	3	9
26.0609 Nutritional Sciences .....	266	219	185	13	14	4	8	2	7	47
26.0610 Parasitology .....	0	0	0	0	0	0	0	0	0	0
26.0611 Radiation Biology/Radiobiology .....	22	19	15	2	0	0	0	0	2	3
26.0612 Toxicology .....	74	61	44	8	7	4	2	1	2	13
26.0613 Genetics, Plant & Animal .....	131	105	92	8	4	2	2	0	1	26
26.0614 Biometrics .....	38	35	28	2	5	3	2	0	0	3
26.0615 Biostatistics .....	85	55	41	4	8	7	0	1	2	30
26.0616 Biotechnology Research .....	94	83	61	18	2	0	2	0	2	11
26.0617 Evolutionary Biology .....	11	9	3	0	0	0	0	0	6	2
26.0618 Biological Immunology .....	3	2	1	1	0	0	0	0	0	1
26.0619 Virology .....	2	1	1	0	0	0	0	0	0	-1
26.0699 Miscellaneous Biological Specializations, Other .....	71	63	49	7	5	4	1	0	2	8
26.07 Zoology .....	689	558	447	75	19	9	10	0	17	131
26.99 Biological Sciences/Life Sciences, Other .....	137	120	95	9	13	2	10	1	3	17
30.10 Biopsychology .....	0	0	0	0	0	0	0	0	0	0
51.1303 Medical Biomathematics & Biometrics .....	0	0	0	0	0	0	0	0	0	0
51.1304 Medical Physics/Biophysics .....	16	16	9	7	0	0	0	0	0	0
51.1305 Medical Cell Biology .....	2	2	1	0	0	0	0	0	1	0
51.1306 Medical Genetics .....	19	18	17	1	0	0	0	0	0	1
51.1309 Medical Molecular Biology .....	4	3	2	0	0	0	0	0	1	1
51.1310 Medical Neurobiology .....	3	3	1	0	0	0	0	0	2	0
51.1311 Medical Nutrition .....	15	14	13	1	0	0	0	0	0	1

See explanatory information and SOURCE at end of table.

Table B . Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1995

Detailed Field	Race/ethnicity of recipients									
	Total, all recipients	U.S. citizens and permanent residents <sup>1</sup>								Non-resident aliens <sup>2</sup>
		Total	White, non-Hispanics	Asians	Underrepresented minorities				Unknown race/ethnicity	
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Agricultural Sciences .....	3,574	2,921	2,447	97	183	74	96	13	194	653
02.01 Agriculture/Agricultural Sciences, General .....	154	127	94	3	25	22	2	1	5	27
02.02 Animal Sciences .....	398	309	278	9	17	3	13	1	5	89
02.03 Food Sciences & Technology .....	325	190	127	29	19	6	11	2	15	135
02.04 Plant Sciences .....	539	392	329	12	30	9	19	2	21	147
02.05 Soil Sciences .....	103	80	65	5	7	3	4	0	3	23
02.99 Agriculture/Agricultural Sciences, Other .....	42	37	27	2	3	0	3	0	5	5
03.01 Natural Resources Conservation .....	1,158	1,040	920	23	54	23	28	3	43	118
03.02 Natural Resources Management & Protective Services .....	84	84	78	1	1	0	1	0	4	0
03.03 Fishing & Fisheries Sciences & Management .....	106	92	83	1	3	0	2	1	5	14
03.05 Forestry & Related Sciences .....	468	388	289	7	14	7	7	0	78	80
03.06 Wildlife & Wildlands Mgt .....	152	146	129	2	5	0	2	3	10	6
03.99 Conservation & Renewable Natural Resources, Other .....	45	36	28	3	5	1	4	0	0	9
Social sciences .....	36,391	32,175	24,943	1,112	4,393	2,648	1,560	185	1,727	4,216
Psychology .....	13,132	12,659	10,367	289	1,505	802	622	81	498	473
42.01 Psychology, General .....	4,790	4,595	3,776	128	464	231	203	30	227	195
42.02 Clinical Psychology .....	1,524	1,485	1,215	43	163	55	101	7	64	39
42.03 Cognitive Psychology & Psycholinguistics .....	36	35	28	1	4	2	2	0	2	1
42.04 Community Psychology .....	362	354	275	3	76	61	13	2	0	8
42.06 Counseling Psychology .....	4,237	4,110	3,466	58	442	224	193	25	144	127
42.07 Developmental & Child Psychology .....	113	107	82	4	11	2	8	1	10	6
42.08 Experimental Psychology .....	88	87	72	0	13	6	5	2	2	1
42.09 Industrial & Organizational Psychology .....	973	920	668	28	214	150	58	6	10	53
42.11 Physiological Psychology/ Psychobiology .....	3	3	3	0	0	0	0	0	0	0
42.16 Social Psychology .....	120	115	95	2	13	10	3	0	5	5
42.99 Psychology, Other .....	886	848	687	22	105	61	36	8	34	38
51.2303 Hypnotherapy .....	0	0	0	0	0	0	0	0	0	0
51.2705 Psychoanalysis .....	0	0	0	0	0	0	0	0	0	0
Social science .....	23,259	19,516	14,576	823	2,888	1,846	938	104	1,229	3,743
Economics .....	2,838	1,561	1,161	138	153	95	53	5	109	1,277
01.0103 Agricultural Economics .....	435	281	224	19	33	17	15	1	5	154
45.06 Economics .....	2,403	1,280	837	119	120	78	38	4	104	1,123
Political Science .....	12,802	11,217	8,320	405	1,795	1,176	573	46	697	1,585
44.04 Public Administration .....	7,351	6,756	4,940	193	1,268	882	357	29	355	595
44.05 Public Policy Analysis .....	846	755	555	60	110	54	54	2	30	91
44.99 Public Administration & Services, Other .....	448	417	248	9	70	51	19	0	90	31
45.09 International Relations & Affairs .....	2,138	1,582	1,239	87	131	48	78	5	125	556
45.10 Political Science & Government .....	2,019	1,707	1,338	56	216	141	65	10	97	312
Sociology .....	1,790	1,614	1,165	74	328	229	85	14	47	176
45.05 Demography & Population Studies .....	40	29	18	5	5	2	3	0	1	11
45.11 Sociology .....	1,750	1,585	1,147	69	323	227	82	14	46	165

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Table B- . Number of earned master's degrees, by detailed field and race/ethnicity of recipient: 1995

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Other Social Sciences .....	5,829	5,124	3,930	206	612	346	227	39	376	705
05 Area, Ethnic, & Cultural Studies .....	1,584	1,401	947	75	199	101	88	10	180	183
16.0102 Linguistics .....	603	412	317	47	29	12	17	0	19	191
30.1101 Gerontology .....	202	195	158	7	14	9	5	0	16	7
30.1501 Science, Technology, & Society .....	18	17	16	0	0	0	0	0	1	1
45.01 Social Sciences, General .....	594	550	403	14	89	68	19	2	44	44
45.02 Anthropology .....	1,024	930	749	24	98	38	44	16	59	94
45.03 Archeology .....	29	28	25	1	1	0	1	0	1	1
45.04 Criminology .....	103	100	88	0	12	10	1	1	0	3
45.07 Geography .....	805	717	641	7	39	19	16	4	30	88
45.0804 History & Philosophy of Science & Technology .....	13	13	11	0	1	1	0	0	1	0
45.12 Urban Affairs/Studies .....	303	280	181	6	86	60	23	3	7	23
45.99 Social Sciences & History, Other .....	551	481	394	25	44	28	13	3	18	70
Non-S&E <sup>4</sup> .....	305,119	278,580	222,827	9,917	30,939	18,744	10,960	1,235	14,897	26,539
Grand total .....	399,428	350,672	277,437	15,906	38,401	22,954	13,905	1,542	18,928	48,756

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<sup>3</sup> In this report, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

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