

Science and Engineering Degrees, by Race/Ethnicity of Recipients

1989–95

Detailed Statistical Tables

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FORTHCOMING

Table 4. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-95

Field	1989	1990	1991	1992	1993	1994	1995
Total, all recipients							
Total science and engineering	337,431	345,793	356,785	376,933	388,435	395,380	399,809
Engineering	66,947	64,703	62,186	61,898	62,670	62,962	63,330
Sciences	270,484	281,090	294,599	315,035	325,765	332,418	336,479
Natural sciences	109,350	105,234	105,595	111,108	116,742	122,792	129,447
Physical science ¹	17,329	16,203	16,407	17,076	17,691	18,525	19,375
Mathematical science	15,314	14,674	14,784	14,851	14,870	14,431	13,759
Computer science	30,963	27,695	25,410	24,854	24,477	24,458	24,662
Biological science	36,949	38,040	40,351	43,835	47,877	52,213	56,804
Agricultural science	8,795	8,622	8,643	10,492	11,827	13,165	14,847
Social sciences	161,134	175,856	189,004	203,927	209,023	209,626	207,032
Social science	112,180	121,838	130,111	139,884	141,772	139,858	134,431
Psychology	48,954	54,018	58,893	64,043	67,251	69,768	72,601
Non-S&E ²	692,740	716,358	751,212	773,139	790,843	787,761	774,627
Grand total	1,030,171	1,062,151	1,107,997	1,150,072	1,179,278	1,183,141	1,174,436
U.S. citizens and permanent residents, total ³							
Total science and engineering	325,108	333,475	344,061	364,695	374,633	381,451	385,055
Engineering	61,875	59,786	57,604	57,675	58,165	58,422	58,520
Sciences	263,233	273,689	286,457	307,020	316,468	323,029	326,535
Natural sciences	104,928	100,908	101,039	106,739	111,656	117,843	124,297
Physical science ¹	16,724	15,608	15,799	16,469	16,927	17,812	18,652
Mathematical science	14,771	14,150	14,206	14,259	14,318	13,869	13,166
Computer science	28,828	25,629	23,373	22,880	22,273	22,185	22,367
Biological science	36,076	37,173	39,288	42,842	46,660	51,058	55,523
Agricultural science	8,529	8,348	8,373	10,289	11,478	12,919	14,589
Social sciences	158,305	172,781	185,418	200,281	204,812	205,186	202,238
Social science	109,862	119,288	127,216	136,902	138,391	136,273	130,579
Psychology	48,443	53,493	58,202	63,379	66,421	68,913	71,659
Non-S&E ²	678,606	702,123	734,279	756,830	772,274	767,463	752,369
Grand total	1,003,714	1,035,598	1,078,340	1,121,525	1,146,907	1,148,914	1,137,424
White, non-Hispanics							
Total science and engineering	266,862	270,225	278,190	292,614	297,171	297,616	294,773
Engineering	50,081	47,494	45,162	45,026	44,853	44,687	43,726
Sciences	216,781	222,731	233,028	247,588	252,318	252,929	251,047
Natural sciences	84,578	80,210	80,111	84,133	87,401	91,196	94,575
Physical science ¹	14,238	13,055	13,145	13,678	13,941	14,616	14,952
Mathematical science	12,287	11,765	11,649	11,723	11,669	11,089	10,343
Computer science	21,711	18,918	17,349	16,844	16,155	15,816	15,532
Biological science	28,404	28,814	30,264	32,506	35,080	37,942	40,628
Agricultural science	7,938	7,658	7,704	9,382	10,556	11,733	13,120
Social sciences	132,203	142,521	152,917	163,455	164,917	161,733	156,472
Social science	91,697	98,385	104,783	111,389	111,154	106,863	100,558
Psychology	40,506	44,136	48,134	52,066	53,763	54,870	55,914
Non-S&E ²	573,464	586,461	614,173	628,839	634,432	620,508	598,012
Grand total	840,326	856,686	892,363	921,453	931,603	918,124	892,785

See explanatory information and SOURCE at end of table.

Table 4. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-95

Field	1989	1990	1991	1992	1993	1994	1995
Asians							
Total science and engineering	19,138	19,437	20,552	22,635	24,504	26,420	29,128
Engineering	6,075	6,012	6,220	6,265	6,407	6,516	6,785
Sciences	13,063	13,425	14,332	16,370	18,097	19,904	22,343
Natural sciences	7,260	7,326	7,595	8,496	9,524	10,401	12,007
Physical science ¹	922	937	983	1,001	1,098	1,096	1,347
Mathematical science	1,019	874	915	857	915	926	965
Computer science	2,268	2,144	2,010	2,082	2,245	2,247	2,365
Biological science	2,907	3,245	3,559	4,402	5,103	5,959	7,043
Agricultural science	144	126	128	154	163	173	287
Social sciences	5,803	6,099	6,737	7,874	8,573	9,503	10,336
Social science	4,228	4,469	4,852	5,724	6,035	6,726	7,005
Psychology	1,575	1,630	1,885	2,150	2,538	2,777	3,331
Non-S&E ²	18,435	18,590	21,173	23,981	26,083	28,255	30,167
Grand total	37,573	38,027	41,725	46,616	50,587	54,675	59,295
Underrepresented minorities, total							
Total science and engineering	31,950	33,419	36,682	41,383	44,682	48,822	51,844
Engineering	4,805	4,729	4,953	5,277	5,714	6,020	6,717
Sciences	27,145	28,690	31,729	36,106	38,968	42,802	45,127
Natural sciences	10,830	10,530	10,960	11,722	12,510	13,782	14,815
Physical science ¹	1,322	1,245	1,355	1,425	1,528	1,737	1,932
Mathematical science	1,218	1,178	1,334	1,432	1,490	1,594	1,589
Computer science	3,742	3,416	3,292	3,342	3,390	3,611	3,915
Biological science	4,151	4,243	4,551	5,043	5,602	6,127	6,606
Agricultural science	397	448	428	480	500	713	773
Social sciences	16,315	18,160	20,769	24,384	26,458	29,020	30,312
Social science	11,212	12,394	14,100	16,647	17,918	19,400	19,621
Psychology	5,103	5,766	6,669	7,737	8,540	9,620	10,691
Non-S&E ²	70,215	73,958	81,840	88,065	95,404	102,241	106,588
Grand total	102,165	107,377	118,522	129,448	140,086	151,063	158,432
Black, non-Hispanics							
Total science and engineering	17,385	18,230	19,987	22,431	24,421	26,289	27,528
Engineering	2,067	2,072	2,229	2,362	2,577	2,659	2,845
Sciences	15,318	16,158	17,758	20,069	21,844	23,630	24,683
Natural sciences	6,005	5,782	5,834	6,401	6,972	7,559	8,021
Physical science ¹	697	650	753	816	836	921	1,034
Mathematical science	792	720	811	904	965	992	995
Computer science	2,457	2,247	1,997	2,090	2,213	2,398	2,498
Biological science	1,916	1,994	2,111	2,385	2,739	2,980	3,231
Agricultural science	143	171	162	206	219	268	263
Social sciences	9,313	10,376	11,924	13,668	14,872	16,071	16,662
Social science	6,570	7,226	8,236	9,489	10,254	10,835	10,921
Psychology	2,743	3,150	3,688	4,179	4,618	5,236	5,741
Non-S&E ²	39,452	41,071	45,022	48,880	52,246	56,027	57,759
Grand total	56,837	59,301	65,009	71,311	76,667	82,316	85,287

See explanatory information and SOURCE at end of table.

Table 4. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-95

Field	1989	1990	1991	1992	1993	1994	1995
Hispanics							
Total science and engineering	13,327	13,918	15,351	17,391	18,442	20,529	22,190
Engineering	2,561	2,511	2,566	2,733	2,961	3,143	3,651
Sciences	10,766	11,407	12,785	14,658	15,481	17,386	18,539
Natural sciences	4,417	4,357	4,705	4,892	5,034	5,648	6,119
Physical science ¹	563	522	533	546	599	733	800
Mathematical science	373	413	480	482	470	543	536
Computer science	1,195	1,085	1,215	1,173	1,096	1,135	1,307
Biological science	2,090	2,119	2,264	2,477	2,652	2,901	3,090
Agricultural science	196	218	213	214	217	336	386
Social sciences	6,349	7,050	8,080	9,766	10,447	11,738	12,420
Social science	4,197	4,645	5,334	6,519	6,860	7,748	7,877
Psychology	2,152	2,405	2,746	3,247	3,587	3,990	4,543
Non-S&E ²	28,034	29,946	33,676	35,616	39,403	42,154	44,501
Grand total	41,361	43,864	49,027	53,007	57,845	62,683	66,691
American Indians or Alaskan Natives							
Total science and engineering	1,238	1,271	1,344	1,561	1,819	2,004	2,126
Engineering	177	146	158	182	176	218	221
Sciences	1,061	1,125	1,186	1,379	1,643	1,786	1,905
Natural sciences	408	391	421	429	504	575	675
Physical science ¹	62	73	69	63	93	83	98
Mathematical science	53	45	43	46	55	59	58
Computer science	90	84	80	79	81	78	110
Biological science	145	130	176	181	211	246	285
Agricultural science	58	59	53	60	64	109	124
Social sciences	653	734	765	950	1,139	1,211	1,230
Social science	445	523	530	639	804	817	823
Psychology	208	211	235	311	335	394	407
Non-S&E ²	2,729	2,941	3,142	3,569	3,755	4,060	4,328
Grand total	3,967	4,212	4,486	5,130	5,574	6,064	6,454
U.S. citizens and permanent residents, unknown race/ethnicity							
Total science and engineering	7,158	10,394	8,637	8,063	8,276	8,593	9,310
Engineering	914	1,551	1,269	1,107	1,191	1,199	1,292
Sciences	6,244	8,843	7,368	6,956	7,085	7,394	8,018
Natural sciences	2,260	2,842	2,373	2,388	2,221	2,464	2,900
Physical science ¹	242	371	316	365	360	363	421
Mathematical science	247	333	308	247	244	260	269
Computer science	1,107	1,151	722	612	483	511	555
Biological science	614	871	914	891	875	1,030	1,246
Agricultural science	50	116	113	273	259	300	409
Social sciences	3,984	6,001	4,995	4,568	4,864	4,930	5,118
Social science	2,725	4,040	3,481	3,142	3,284	3,284	3,395
Psychology	1,259	1,961	1,514	1,426	1,580	1,646	1,723
Non-S&E ²	16,492	23,114	17,093	15,945	16,355	16,459	17,602
Grand total	23,650	33,508	25,730	24,008	24,631	25,052	26,912

See explanatory information and SOURCE at end of table.

Table 4. Number of earned bachelor's degrees, by field and by race/ethnicity of recipient: 1989-95

Field	1989	1990	1991	1992	1993	1994	1995
	Nonresident aliens ⁴						
Total science and engineering	12,323	12,318	12,724	12,238	13,802	13,929	14,754
Engineering	5,072	4,917	4,582	4,223	4,505	4,540	4,810
Sciences	7,251	7,401	8,142	8,015	9,297	9,389	9,944
Natural sciences	4,422	4,326	4,556	4,369	5,086	4,949	5,150
Physical science ¹	605	595	608	607	764	713	723
Mathematical science	543	524	578	592	552	562	593
Computer science	2,135	2,066	2,037	1,974	2,204	2,273	2,295
Biological science	873	867	1,063	993	1,217	1,155	1,281
Agricultural science	266	274	270	203	349	246	258
Social sciences	2,829	3,075	3,586	3,646	4,211	4,440	4,794
Social science	2,318	2,550	2,895	2,982	3,381	3,585	3,852
Psychology	511	525	691	664	830	855	942
Non-S&E ²	14,134	14,235	16,933	16,309	18,569	20,298	22,258
Grand total	26,457	26,553	29,657	28,547	32,371	34,227	37,012

- ¹ In this report, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.
- ² Non-S&E refers to non-science and non-engineering.
- ³ 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).
- ⁴ Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

NOTE: Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1989-95

Table 31. Number of earned bachelor's degrees awarded in engineering technologies, by race/ethnicity and sex of recipient: 1989-95

Citizenship and race/ethnicity	1989	1990	1991	1992	1993	1994	1995
Total							
Total, all recipients	20,098	19,150	18,294	17,113	16,987	16,654	16,542
U.S. citizens and permanent residents, total ¹	19,439	18,423	17,582	16,597	16,546	16,161	15,992
White, non-Hispanics	16,156	15,251	14,279	13,286	13,245	12,909	12,616
Asians	839	755	768	778	768	720	727
Underrepresented minorities, total	1,947	2,053	2,033	2,074	2,096	2,160	2,317
Black, non-Hispanics	1,208	1,200	1,227	1,239	1,132	1,249	1,319
Hispanics	634	784	731	747	853	813	883
American Indians or Alaskan Natives	105	69	75	88	111	98	115
U.S. citizens and permanent residents, unknown race/ethnicity	497	364	502	459	437	372	332
Nonresident aliens ²	659	727	712	516	441	493	550
Men							
Total, all recipients	17,999	17,113	16,329	15,309	15,089	14,835	14,649
U.S. citizens and permanent residents, total ¹	17,383	16,431	15,660	14,841	14,687	14,401	14,141
White, non-Hispanics	14,578	13,679	12,819	12,069	11,908	11,694	11,332
Asians	743	679	700	690	678	641	637
Underrepresented minorities, total	1,601	1,733	1,692	1,659	1,694	1,729	1,881
Black, non-Hispanics	941	953	968	949	892	959	1,042
Hispanics	567	722	655	629	710	687	741
American Indians or Alaskan Natives	93	58	69	81	92	83	98
U.S. citizens and permanent residents, unknown race/ethnicity	461	340	449	423	407	337	291
Nonresident aliens ²	616	682	669	468	402	434	508
Women							
Total, all recipients	2,099	2,037	1,965	1,804	1,898	1,819	1,893
U.S. citizens and permanent residents, total ¹	2,056	1,992	1,922	1,756	1,859	1,760	1,851
White, non-Hispanics	1,578	1,572	1,460	1,217	1,337	1,215	1,284
Asians	96	76	68	88	90	79	90
Underrepresented minorities, total	346	320	341	415	402	431	436
Black, non-Hispanics	267	247	259	290	240	290	277
Hispanics	67	62	76	118	143	126	142
American Indians or Alaskan Natives	12	11	6	7	19	15	17
U.S. citizens and permanent residents, unknown race/ethnicity	36	24	53	36	30	35	41
Nonresident aliens ²	43	45	43	48	39	59	42

¹ 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).

² Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Engineering technologies are a summary of instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulations by National Science Foundation/SRS; data from National Center for Education Statistics IPEDS Completions Surveys, 1989-95