

Appendix table 2-20.
Graduate enrollment in S&E, by field, race/ethnicity, and citizenship: 1983–99

Field and race/ethnicity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total																	
S&E	347,017	349,698	358,059	368,082	373,326	375,256	382,732	397,128	412,690	430,635	435,869	431,233	422,533	415,258	407,656	404,903	411,308
Natural sciences	102,979	103,550	104,074	105,534	104,963	105,529	107,301	109,364	112,474	116,702	119,495	120,842	120,335	117,688	114,676	113,831	114,127
Mathematics and computer sciences	40,691	42,969	47,332	49,298	50,559	51,304	51,729	54,031	54,633	56,680	56,213	53,737	51,967	52,641	52,720	54,515	58,814
Social and behavioral sciences	112,228	110,467	110,662	111,376	113,851	115,594	119,659	126,108	132,078	139,250	143,327	143,661	143,058	141,740	139,190	136,588	136,899
Engineering	91,119	92,712	95,991	101,874	103,953	102,829	104,043	107,625	113,505	118,003	116,834	112,993	107,173	103,189	101,070	99,969	101,468
U.S. citizen or permanent resident																	
Total S&E	276,784	277,682	281,388	284,231	284,631	281,672	284,686	294,318	304,063	321,171	330,148	329,073	323,993	317,101	308,665	302,875	301,404
Natural sciences	84,700	84,712	83,663	82,854	80,562	79,431	79,242	79,521	81,148	84,894	88,166	89,895	90,655	89,283	87,352	86,525	86,685
Mathematics and computer sciences	30,306	31,532	34,499	35,448	35,669	35,895	35,352	36,561	36,306	38,087	38,170	36,612	35,363	35,033	34,259	34,672	35,737
Social and behavioral sciences	98,173	96,644	95,978	96,018	97,831	98,743	102,746	108,810	114,376	121,641	126,256	126,559	126,268	124,633	122,458	119,471	118,931
Engineering	63,605	64,794	67,160	69,911	70,569	67,603	67,346	69,426	72,233	76,549	77,556	76,007	71,707	68,152	64,596	62,207	60,051
White, S&E	224,705	224,705	224,705	224,705	224,705	229,037	229,694	238,472	243,602	253,425	256,840	255,701	245,893	238,062	228,018	220,689	216,865
Natural sciences	74,337	74,046	71,971	71,713	69,100	68,737	68,110	68,736	69,472	71,329	72,554	74,137	73,300	71,783	68,998	67,808	67,795
Mathematics and computer sciences	23,823	24,040	25,511	26,053	26,806	27,479	26,560	27,897	26,921	27,802	27,376	26,248	24,432	23,680	22,422	22,048	22,085
Social and behavioral sciences	77,963	75,787	76,129	76,930	79,157	80,492	83,531	88,632	92,425	96,956	99,514	99,339	96,239	93,523	90,543	86,773	84,971
Engineering	48,582	48,582	48,582	48,582	48,582	52,329	51,493	53,207	54,784	57,338	57,396	55,977	51,922	49,076	46,055	44,060	42,014
Asian/Pacific Islander, S&E	9,353	10,172	12,000	12,775	14,572	15,188	15,693	17,155	18,136	21,751	24,059	26,475	25,904	25,928	26,007	26,709	27,562
Natural sciences	2,378	2,526	2,712	2,761	3,043	3,478	3,604	3,928	4,267	5,035	6,162	6,607	6,781	6,900	6,837	6,928	6,850
Mathematics and computer sciences	1,666	1,816	2,491	2,770	3,235	3,438	3,430	3,710	3,724	4,352	4,577	5,254	5,164	5,491	5,678	6,393	7,158
Social and behavioral sciences	1,903	2,018	1,992	2,130	2,436	2,362	2,648	2,830	3,029	3,862	4,324	4,827	4,941	5,097	5,359	5,383	5,400
Engineering	3,406	3,812	4,805	5,114	5,858	5,910	6,011	6,687	7,116	8,502	8,996	9,787	9,018	8,440	8,133	8,005	8,154
Black, S&E	10,903	10,711	10,462	10,470	10,429	11,191	11,775	12,774	13,691	15,445	17,116	17,610	18,282	19,068	19,346	19,654	20,341
Natural sciences	1,980	2,000	1,982	1,845	1,817	1,972	2,093	2,184	2,302	2,711	3,042	3,007	3,289	3,487	3,554	3,603	3,651
Mathematics and computer sciences	971	960	1,031	1,151	1,210	1,261	1,311	1,496	1,617	1,685	1,877	1,855	1,844	1,987	1,957	1,968	2,095
Social and behavioral sciences	6,574	6,306	6,062	6,022	5,986	6,458	6,755	7,308	7,747	8,673	9,637	9,964	10,293	10,697	10,957	11,261	11,629
Engineering	1,378	1,445	1,387	1,452	1,416	1,500	1,616	1,786	2,025	2,376	2,560	2,784	2,856	2,897	2,878	2,822	2,966
Hispanic, S&E	8,811	8,681	8,613	8,660	8,823	9,098	9,436	10,159	11,045	12,246	13,381	13,277	14,111	14,568	14,980	15,476	16,514
Natural sciences	1,919	1,892	2,092	2,118	2,071	2,228	2,386	2,375	2,552	2,726	3,075	2,933	3,209	3,338	3,575	3,636	3,882
Mathematics and computer sciences	615	585	750	723	817	844	847	916	980	1,082	1,110	1,000	1,064	1,125	1,150	1,208	1,318
Social and behavioral sciences	4,836	4,713	4,290	4,217	4,205	4,307	4,496	4,982	5,389	5,975	6,501	6,481	7,030	7,169	7,443	7,732	8,395
Engineering	1,441	1,491	1,481	1,602	1,730	1,719	1,707	1,886	2,124	2,463	2,695	2,863	2,808	2,936	2,812	2,900	2,919
American Indian/Alaskan Native, S&E	911	830	736	743	783	918	860	1,054	1,120	1,243	1,309	1,382	1,516	1,538	1,600	1,607	1,557
Natural sciences	224	206	167	196	183	216	180	255	251	282	318	336	393	374	412	410	387
Mathematics and computer sciences	53	71	79	52	76	71	74	64	62	99	102	80	126	95	103	126	105
Social and behavioral sciences	454	361	368	365	401	488	484	583	622	685	680	725	767	836	846	835	823
Engineering	180	192	122	130	123	143	122	152	185	177	177	209	241	230	233	239	236
Unknown, S&E	22,101	24,179	25,825	23,961	21,160	16,240	17,228	14,704	16,469	17,061	17,443	14,628	18,287	17,937	18,714	18,740	18,565
Natural sciences	3,862	4,042	4,819	4,221	4,348	2,800	2,869	2,043	2,304	2,811	3,015	2,875	3,683	3,401	3,976	4,140	4,120
Mathematics and computer sciences	3,178	4,060	4,637	4,699	3,525	2,802	3,130	2,478	3,002	3,067	3,128	2,175	2,733	2,655	2,949	2,929	2,976
Social and behavioral sciences	6,443	7,459	7,145	6,354	5,646	4,636	4,832	4,475	5,164	5,490	5,600	5,223	6,998	7,311	7,310	7,487	7,713
Engineering	8,618	8,618	9,224	8,687	7,641	6,002	6,397	5,708	5,999	5,693	5,693	5,700	4,355	4,873	4,570	4,479	4,184

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 2-20.

Graduate enrollment in S&E, by field, race/ethnicity, and citizenship: 1983–99

Field and race/ethnicity	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Foreign citizen enrollment																	
Total S&E	70,230	72,193	76,813	83,981	88,794	93,615	98,083	102,817	108,634	109,464	105,721	102,160	98,540	98,157	98,991	102,028	109,904
Natural sciences	18,268	18,835	20,327	22,687	24,412	26,098	28,059	29,843	31,326	31,808	31,329	30,947	29,680	28,405	27,324	27,306	27,442
Mathematics and computer sciences	10,407	11,453	12,842	13,868	14,906	15,409	16,377	17,470	18,256	18,593	18,043	17,125	16,604	17,608	18,461	19,843	23,077
Social and behavioral sciences	14,063	14,003	14,830	15,481	16,108	16,882	16,950	17,305	17,709	17,609	17,071	17,102	16,790	17,107	16,732	17,117	17,968
Engineering	27,492	27,902	28,822	31,945	33,368	35,226	36,697	38,199	41,343	41,454	39,278	36,986	35,466	35,037	36,474	37,762	41,417

NOTES: Natural sciences include physics, chemistry, astronomy, and earth, atmospheric, ocean, biological, and agricultural sciences.

SOURCE: National Science Foundation, Division of Science Resources Studies (NSF/SRS), *Graduate Students and Postdoctorates in Science and Engineering Fall 1999*, NSF 01-315, (Arlington, VA, 2001).