

TABLE 9. Full-time graduate students without U.S. citizenship or permanent resident status in science, engineering, and health fields in all institutions, by field: 1975-2002

Year	Total science and engineering	Science								
		Total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1977 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1978 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1980 ²	48,259	30,362	5,731	1,387	3,254	2,066	2,342	4,453	1,210	9,919
1981 ²	52,329	32,642	6,258	1,495	3,641	2,558	2,485	4,723	1,004	10,478
1982 ²	55,169	33,881	6,454	1,626	3,887	3,190	2,520	4,893	1,079	10,232
1983 ²	59,515	36,758	7,195	1,669	4,241	3,923	2,627	5,342	1,093	10,668
1984 ^{2,3}	61,087	37,863	7,560	1,570	4,537	4,454	2,591	5,621	1,045	10,485
1985 ^{2,3}	65,699	41,618	8,483	1,665	4,821	5,534	2,481	6,180	1,156	11,298
1986 ^{2,3}	72,347	45,400	9,498	1,867	5,145	6,108	2,691	7,011	1,170	11,910
1987 ^{2,3}	76,010	47,989	10,028	1,939	5,494	6,473	2,741	7,861	1,212	12,241
1988 ²	80,413	50,906	10,444	2,152	5,774	6,718	2,771	8,854	1,316	12,877
1989 ²	83,477	53,168	11,100	2,304	5,984	6,990	2,766	9,880	1,327	12,817
1990 ²	87,576	56,058	11,649	2,431	5,904	7,947	2,975	10,545	1,485	13,122
1991 ²	91,662	57,707	11,850	2,571	5,876	8,091	2,965	11,479	1,624	13,251
1992	93,009	58,455	11,914	2,677	5,740	8,624	2,946	11,703	1,614	13,237
1993	89,500	56,902	11,380	2,685	5,474	8,382	2,877	11,830	1,586	12,688
1994	86,170	55,752	10,913	2,860	5,350	7,944	2,882	11,674	1,858	12,271
1995	83,058	53,868	10,476	2,586	5,119	7,883	2,812	11,042	1,648	12,302
1996	83,365	53,982	10,299	2,396	5,081	8,795	2,622	10,422	1,623	12,744
1997	84,695	53,884	10,077	2,221	4,882	9,757	2,411	10,159	1,670	12,707
1998	86,998	54,949	9,923	2,186	4,690	10,930	2,284	10,395	1,738	12,803
1999	93,817	58,135	10,335	2,216	5,208	12,748	2,195	10,207	1,737	13,489
2000	105,682	64,534	10,891	2,403	5,395	16,928	2,098	10,820	1,860	14,139
2001	115,726	70,142	11,460	2,472	5,811	19,853	2,227	11,470	2,016	14,833
2002	124,838	74,743	12,345	2,537	6,300	20,475	2,322	12,748	2,173	15,843

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1977 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1978 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979 ¹	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1980 ²	17,897	568	1,996	3,288	4,297	1,439	2,630	1,109	2,570	2,043
1981 ²	19,687	601	2,208	3,637	4,785	1,574	3,059	1,117	2,706	2,146
1982 ²	21,288	577	2,347	3,953	5,112	1,617	3,500	1,186	2,996	2,298
1983 ²	22,757	752	2,243	4,260	5,867	1,355	4,003	1,178	3,099	2,411
1984 ^{2,3}	23,224	739	2,135	4,399	6,035	1,459	4,107	1,209	3,141	2,358
1985 ^{2,3}	24,081	736	2,218	4,467	6,662	1,582	4,017	1,288	3,111	2,545
1986 ^{2,3}	26,947	811	2,193	4,668	7,718	1,754	4,571	1,516	3,716	2,722
1987 ^{2,3}	28,021	813	2,333	4,538	8,099	2,013	4,671	1,607	3,947	2,784
1988 ²	29,507	1,031	2,413	4,738	8,411	2,074	5,117	1,661	4,062	3,058
1989 ²	30,309	1,015	2,617	4,867	8,743	2,246	4,860	1,837	4,124	3,293
1990 ²	31,518	1,140	2,780	4,753	9,023	2,417	5,086	1,954	4,365	3,574
1991 ²	33,955	1,124	3,003	5,188	9,927	2,859	5,567	1,994	4,293	3,786
1992	34,554	1,060	3,014	5,451	10,429	3,025	5,580	2,031	3,964	3,710
1993	32,598	1,084	2,951	5,018	9,949	2,714	5,167	1,996	3,719	3,853
1994	30,418	1,138	2,755	4,793	8,962	2,749	4,785	1,779	3,457	3,653
1995	29,190	1,082	2,671	4,596	8,855	2,504	4,580	1,722	3,180	3,653
1996	29,383	1,159	2,557	4,282	9,349	2,638	4,666	1,736	2,996	4,011
1997	30,811	1,202	2,540	4,324	10,475	2,673	4,841	1,772	2,984	4,012
1998	32,049	1,297	2,571	4,283	11,469	2,639	4,861	1,842	3,087	4,023
1999	35,682	1,367	2,767	4,745	12,926	3,053	5,324	1,851	3,649	4,359
2000	41,148	1,401	3,069	5,441	15,709	3,725	6,181	1,956	3,666	4,531
2001	45,584	1,537	3,199	5,803	17,490	4,371	6,641	2,201	4,342	5,073
2002	50,095	1,569	3,416	6,278	19,596	4,604	7,319	2,380	4,933	5,983

NA = not available.

¹ Distribution by citizenship data were not requested before 1980.

² For 1991 and earlier years, these figures include permanent residents and students with temporary visas. Beginning in 1992, these figures include only students with temporary visas.

³ These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.