

TABLE 1-4c

Ethnicity and race of U.S. citizen and permanent resident graduate students in engineering: 2000–22

(Number and percent)

Year	Total	U.S. citizens and permanent residents															
		Not Hispanic or Latino														Unknown ethnicity and race	
		Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White		More than one race			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2000	56,651	3,018	5.3	208	0.4	6,909	12.2	2,977	5.3	305	0.5	39,083	69.0	40	0.1	4,111	7.3
2001	56,890	3,183	5.6	227	0.4	7,769	13.7	2,915	5.1	157	0.3	38,459	67.6	35	0.1	4,145	7.3
2002	61,277	3,461	5.6	244	0.4	9,130	14.9	3,074	5.0	169	0.3	40,559	66.2	54	0.1	4,586	7.5
2003	67,310	3,979	5.9	304	0.5	10,466	15.5	3,212	4.8	221	0.3	43,469	64.6	66	0.1	5,593	8.3
2004	66,379	4,164	6.3	273	0.4	9,563	14.4	3,399	5.1	149	0.2	43,235	65.1	56	0.1	5,540	8.3
2005	66,551	4,090	6.1	273	0.4	9,595	14.4	3,470	5.2	135	0.2	42,868	64.4	74	0.1	6,046	9.1
2006	67,698	4,381	6.5	290	0.4	9,050	13.4	3,572	5.3	129	0.2	43,293	64.0	53	0.1	6,930	10.2
2007old ^a	70,357	4,517	6.4	286	0.4	9,316	13.2	3,684	5.2	199	0.3	44,751	63.6	86	0.1	7,518	10.7
2007new ^a	71,299	4,563	6.4	290	0.4	9,436	13.2	3,775	5.3	202	0.3	45,329	63.6	87	0.1	7,617	10.7
2008	74,251	4,716	6.4	346	0.5	9,548	12.9	3,986	5.4	156	0.2	47,586	64.1	172	0.2	7,741	10.4
2009	78,642	5,218	6.6	344	0.4	9,778	12.4	4,172	5.3	149	0.2	50,396	64.1	350	0.4	8,235	10.5
2010	82,295	5,640	6.9	329	0.4	10,270	12.5	4,180	5.1	174	0.2	52,870	64.2	1,002	1.2	7,830	9.5
2011	79,314	5,919	7.5	317	0.4	10,147	12.8	4,068	5.1	166	0.2	50,659	63.9	1,238	1.6	6,800	8.6
2012	77,301	6,035	7.8	278	0.4	9,822	12.7	3,924	5.1	139	0.2	49,457	64.0	1,507	1.9	6,139	7.9
2013	75,662	6,234	8.2	259	0.3	9,809	13.0	3,712	4.9	130	0.2	48,413	64.0	1,440	1.9	5,665	7.5
2014old ^b	73,268	6,205	8.5	285	0.4	9,646	13.2	3,631	5.0	118	0.2	46,706	63.7	1,624	2.2	5,053	6.9
2014new ^b	74,013	6,527	8.8	286	0.4	9,706	13.1	3,714	5.0	118	0.2	46,918	63.4	1,638	2.2	5,106	6.9
2015	73,452	6,916	9.4	270	0.4	9,718	13.2	3,769	5.1	146	0.2	45,888	62.5	1,745	2.4	5,000	6.8
2016	73,039	6,962	9.5	245	0.3	9,902	13.6	3,710	5.1	115	0.2	45,622	62.5	1,824	2.5	4,659	6.4
2017old ^c	76,182	7,664	10.1	222	0.3	10,531	13.8	3,941	5.2	84	0.1	47,289	62.1	2,304	3.0	4,147	5.4
2017new ^c	75,160	7,537	10.0	208	0.3	10,483	13.9	3,842	5.1	86	0.1	46,637	62.1	2,265	3.0	4,102	5.5
2018	76,770	7,939	10.3	211	0.3	10,863	14.2	4,035	5.3	75	0.1	47,447	61.8	2,460	3.2	3,740	4.9
2019	79,982	8,643	10.8	242	0.3	11,390	14.2	4,220	5.3	95	0.1	48,892	61.1	2,773	3.5	3,727	4.7
2020	84,403	9,644	11.4	239	0.3	12,020	14.2	4,583	5.4	101	0.1	50,847	60.2	3,143	3.7	3,826	4.5
2021	88,665	10,821	12.2	286	0.3	13,412	15.1	4,847	5.5	98	0.1	52,168	58.8	3,478	3.9	3,555	4.0
2022	85,274	10,629	12.5	339	0.4	13,268	15.6	4,752	5.6	80	0.1	48,988	57.4	3,430	4.0	3,788	4.4
Master's students																	
2017new ^c	46,470	5,130	11.0	134	0.3	6,416	13.8	2,505	5.4	56	0.1	28,281	60.9	1,422	3.1	2,526	5.4
2018	47,813	5,436	11.4	140	0.3	6,758	14.1	2,618	5.5	45	0.1	28,993	60.6	1,519	3.2	2,304	4.8
2019	49,873	5,846	11.7	168	0.3	7,009	14.1	2,708	5.4	69	0.1	30,121	60.4	1,672	3.4	2,280	4.6
2020	53,643	6,704	12.5	160	0.3	7,628	14.2	2,952	5.5	71	0.1	31,783	59.2	1,949	3.6	2,396	4.5

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	57,033	7,612	13.3	205	0.4	8,685	15.2	3,141	5.5	70	0.1	32,987	57.8	2,155	3.8	2,178	3.8
2022	53,603	7,379	13.8	253	0.5	8,383	15.6	2,983	5.6	54	0.1	30,174	56.3	2,060	3.8	2,317	4.3
Doctoral students																	
2017new ^c	28,690	2,407	8.4	74	0.3	4,067	14.2	1,337	4.7	30	0.1	18,356	64.0	843	2.9	1,576	5.5
2018	28,957	2,503	8.6	71	0.2	4,105	14.2	1,417	4.9	30	0.1	18,454	63.7	941	3.2	1,436	5.0
2019	30,109	2,797	9.3	74	0.2	4,381	14.6	1,512	5.0	26	0.1	18,771	62.3	1,101	3.7	1,447	4.8
2020	30,760	2,940	9.6	79	0.3	4,392	14.3	1,631	5.3	30	0.1	19,064	62.0	1,194	3.9	1,430	4.6
2021	31,632	3,209	10.1	81	0.3	4,727	14.9	1,706	5.4	28	0.1	19,181	60.6	1,323	4.2	1,377	4.4
2022	31,671	3,250	10.3	86	0.3	4,885	15.4	1,769	5.6	26	0.1	18,814	59.4	1,370	4.3	1,471	4.6

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in <https://www.nsf.gov/statistics/nsf10307/> for more detail.

^b In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, and health. A total of 151 newly eligible institutions were added, and two private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see <https://www.nsf.gov/statistics/2016/nsf16314>.

^c As part of the 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines (TOD), thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.

Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017. Ethnicity and race data are available only for U.S. citizens and permanent residents.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.