

TABLE 2-9

Undergraduate enrollment in engineering programs, by enrollment status, sex, ethnicity, race, and citizenship: 2002–16  
(Number and percent distribution)

Year and enrollment status	All undergraduates	Female	Male	White	Asian or Pacific Islander <sup>a</sup>	Asian	Black or African American	Hispanic or Latino <sup>b</sup>	Native American	Native Hawaiian or Other Pacific Islander	More than one race <sup>c</sup>	Temporary resident
Number												
All enrolled												
2002	357,324	67,455	289,869	223,457	41,268	NA	23,517	32,991	2,197	NA	NA	19,455
2004	377,211	67,015	310,196	236,219	42,434	NA	23,832	35,933	2,330	NA	NA	19,899
2006	379,004	65,169	313,835	235,423	40,746	NA	24,123	38,595	2,893	NA	NA	19,827
2008	415,673	73,337	342,336	257,372	42,748	NA	24,230	42,590	2,580	NA	NA	23,531
2010	456,783	83,346	373,437	276,238	NA	46,770	25,766	49,615	2,288	819	7,213	29,573
2012	506,916	95,888	411,028	298,808	NA	50,833	26,451	59,095	2,297	972	13,215	39,464
2014	582,149	116,505	465,644	332,687	NA	57,984	29,347	71,676	2,149	1,037	18,495	53,152
2016	634,096	135,414	498,682	351,164	NA	64,504	32,566	83,669	2,141	975	21,915	60,609
Full time, first year												
2002	71,309	12,771	58,538	47,237	7,913	NA	4,917	6,141	435	NA	NA	2,181
2004	76,568	12,987	63,581	50,897	7,870	NA	4,833	6,858	478	NA	NA	2,426
2006	80,045	13,834	66,211	51,314	8,341	NA	5,393	8,065	630	NA	NA	2,968
2008	90,054	16,882	73,172	57,265	8,960	NA	5,470	9,108	584	NA	NA	3,883
2010	96,301	18,703	77,598	59,531	NA	9,242	5,785	10,600	414	155	2,618	4,949
2012	108,709	22,170	86,539	65,083	NA	10,724	5,745	12,474	420	203	3,828	7,201
2014	126,416	27,545	98,871	74,798	NA	12,817	6,502	15,384	427	213	4,597	8,907
2016	131,497	30,924	100,573	75,680	NA	13,473	7,349	17,479	433	187	5,078	8,733
Percent distribution												
All enrolled												
2002	100.0	18.9	81.1	62.5	11.5	NA	6.6	9.2	0.6	NA	NA	5.4
2004	100.0	17.8	82.2	62.6	11.2	NA	6.3	9.5	0.6	NA	NA	5.3
2006	100.0	17.2	82.8	62.1	10.8	NA	6.4	10.2	0.8	NA	NA	5.2
2008	100.0	17.6	82.4	61.9	10.3	NA	5.8	10.2	0.6	NA	NA	5.7
2010	100.0	18.2	81.8	60.5	NA	10.2	5.6	10.9	0.5	0.2	1.6	6.5
2012	100.0	18.9	81.1	58.9	NA	10.0	5.2	11.7	0.5	0.2	2.6	7.8
2014	100.0	20.0	80.0	57.1	NA	10.0	5.0	12.3	0.4	0.2	3.2	9.1
2016	100.0	21.4	78.6	55.4	NA	10.2	5.1	13.2	0.3	0.2	3.5	9.6
Full time, first year												
2002	100.0	17.9	82.1	66.2	11.1	NA	6.9	8.6	0.6	NA	NA	3.1
2004	100.0	17.0	83.0	66.5	10.3	NA	6.3	9.0	0.6	NA	NA	3.2
2006	100.0	17.3	82.7	64.1	10.4	NA	6.7	10.1	0.8	NA	NA	3.7
2008	100.0	18.7	81.3	63.6	9.9	NA	6.1	10.1	0.6	NA	NA	4.3
2010	100.0	19.4	80.6	61.8	NA	9.6	6.0	11.0	0.4	0.2	2.7	5.1
2012	100.0	20.4	79.6	59.9	NA	9.9	5.3	11.5	0.4	0.2	3.5	6.6
2014	100.0	21.8	78.2	59.2	NA	10.1	5.1	12.2	0.3	0.2	3.6	7.0
2016	100.0	23.5	76.5	57.6	NA	10.2	5.6	13.3	0.3	0.1	3.9	6.6

NA = not available; survey did not collect data at this level of detail.

<sup>a</sup> Pacific Islander includes Native Hawaiian or Other Pacific Islander. Prior to the 2011 collection cycle, the Asian or Pacific Islander category included Asians, Native Hawaiians, and Pacific Islanders.

<sup>b</sup> Beginning in 2008, the category includes Hispanic or Latino of one or more races.

<sup>c</sup> In 2011, the survey required institutions to begin reporting information on more than one race, along with information in the other racial and ethnic categories, but institutions were not required to update the race and ethnicity data of individuals who were already in the system. Therefore, the number reported for more than one race for the early years following 2011 is likely to be an undercount. Prior to the 2011 collection cycle, more than one race was reported under Other or unknown race or ethnicity.

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**Note(s)**

These data are only published in even-numbered years by the source. Race or ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial and ethnic groups. Starting with 2011, data reflect the Office of Management and Budget's latest race and ethnicity categories. Institutions were classified by their sector in the year reported in the table, as provided in the source data. Data are based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data that were based on accredited higher education institutions. Data are based on degree-granting institutions eligible to participate in Title IV federal financial aid programs. This table will not match previously published tables exactly due to source change.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2018) from the Integrated Postsecondary Education Data System Fall Enrollment Survey, National Center for Education Statistics, U.S. Department of Education, accessed November 2018.