



TABLE 1-16 

### Science course enrollment of high school completers, by student and family characteristics: 2013

(Percent)

Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
All students	78.6	21.3	2.5	86.1	11.5	24.4	67.9	7.7	58.5	36.4	5.1
Sex											
Male	80.2	19.7	2.7	87.7	9.7	27.1	65.4	7.5	56.7	36.8	6.6
Female	77.1	22.8	2.2	84.5	13.2	21.9	70.2	7.9	60.3	36.0	3.7
Race or ethnicity											
White	76.6	23.3	2.4	85.3	12.4	23.9	67.3	8.8	58.3	36.3	5.4
Black	85.4	14.4	1.2	89.8	9.0	23.8	72.8	3.4	62.8	34.8	2.4
Hispanic <sup>a</sup>	84.0	15.9	2.9	89.2	7.9	27.1	68.1	4.8	59.6	36.9	3.5
Asian	48.5	51.5	3.8	66.1	30.1	10.1	65.2	24.7	32.9	47.4	19.8
Other <sup>b</sup>	91.5	7.7	2.7	91.2	6.1	33.0	63.2	3.7	74.5	25.1	0.4
Two or more races	81.1	18.9	2.9	86.9	10.3	28.1	65.6	6.4	62.0	33.2	4.7
SES <sup>c</sup>											
Lowest fifth	89.1	10.6	3.3	90.3	6.4	34.1	62.4	3.5	68.1	30.1	1.9
Middle three-fifths	81.2	18.6	2.1	87.5	10.4	25.8	68.0	6.2	60.8	35.2	4.0



Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
Highest fifth	62.0	38.0	2.4	78.6	19.0	11.9	72.8	15.4	43.6	45.9	10.5

AP/IB = Advanced Placement/International Baccalaureate; SES = socioeconomic status.

<sup>a</sup> Hispanic may be any race. Asian, black or African American, white, and other races refer to individuals who are not of Hispanic origin.

<sup>b</sup> Other includes Alaska Native, American Indian, Native Hawaiian, Pacific Islander, and those having origins in a race not listed.

<sup>c</sup> SES is a composite variable derived from parental education level, parental occupation, and family income. The quintile measure divides the SES distribution into five equal quintile groups. Quintile 1 corresponds to the lowest one-fifth of the population, and quintile 5 corresponds to the highest. For this report, the middle three quintiles are combined into one category.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2016) of High School Longitudinal Study of 2009 (HSL:09), National Center for Education Statistics. See Appendix Table 1-24.

*Science and Engineering Indicators 2018*