

Table 138.—Percentage of high school graduates taking selected mathematics and science courses in high school, by sex and race/ethnicity: 1982 to 1994

Courses (credits)	1982	1987	1990	1994							
				Total	Sex		Race/ethnicity				
					Men	Women	White	Black	Hispanic	Asian/Pacific Islander	American Indian/Alaskan Native
1	2	3	4	5	6	7	8	9	10	11	12
Mathematics¹											
Any mathematics (1.0)	98.5	98.9	99.6	99.6	99.5	99.6	99.6	99.3	99.2	100.0	98.9
Algebra I (1.0)	53.9	64.0	64.2	66.4	64.7	68.1	67.5	65.0	70.7	61.7	58.7
Geometry (1.0)	45.5	59.7	63.4	70.4	68.3	72.4	72.7	58.1	69.4	75.8	60.0
Algebra II (0.5)	32.2	48.6	51.7	58.6	55.4	61.6	61.6	43.7	51.0	66.6	39.2
Trigonometry (0.5)	12.1	18.6	18.2	17.2	16.6	17.8	18.6	13.6	9.8	25.3	6.7
Analysis/pre-calculus (0.5)	5.9	12.6	13.4	17.3	16.3	18.2	18.2	9.8	13.9	33.9	8.7
Statistics/probability (0.5)	1.0	1.3	1.0	2.0	2.0	2.1	2.3	1.7	1.0	1.1	1.2
Calculus (1.0)	4.6	6.0	6.5	9.2	9.4	9.1	9.6	3.8	6.0	23.4	3.8
AP calculus (1.0)	1.5	3.2	4.1	7.0	7.2	6.8	7.3	2.0	4.6	21.0	2.2
Science											
Any science (1.0)	96.6	98.7	99.4	99.5	99.3	99.8	99.7	99.5	99.3	99.3	99.7
Biology (1.0)	76.4	87.8	91.3	93.5	92.3	94.7	94.4	91.3	94.0	90.9	91.2
AP/honors biology (1.0)	6.6	2.7	4.9	4.6	4.0	5.1	4.6	2.7	3.3	8.3	1.7
Chemistry (1.0)	30.9	43.7	49.0	56.0	53.2	58.7	58.5	43.8	46.5	69.3	41.3
AP/honors chemistry (1.0)	2.9	3.3	3.5	3.9	4.1	3.7	4.3	2.1	2.5	7.7	0.6
Physics (1.0)	14.2	19.2	21.5	24.4	26.9	22.0	26.1	14.7	16.0	42.3	10.3
AP/honors physics (1.0)	1.0	1.6	2.0	2.4	3.0	1.8	2.5	1.4	1.8	6.0	0.3
Engineering (1.0)	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.4	0.1	1.0	—
Astronomy (0.5)	1.1	1.0	1.2	1.7	2.0	1.5	2.0	0.6	0.4	0.8	2.2
Geology/earth science (0.5)	13.2	14.5	24.8	23.0	22.8	23.2	23.8	23.3	15.3	16.7	23.2
Biology and chemistry (2.0)	28.1	42.1	47.6	53.8	50.9	56.6	56.4	42.2	45.1	64.8	39.6
Biology, chemistry, and physics (3.0)	10.6	16.4	18.8	21.3	23.1	19.6	22.7	13.0	13.4	37.2	8.0

¹ These data only report the percentage of students who earned credit in each mathematics course while in high school and does not count those students who took these courses prior to entering high school. In 1992, approximately 93 percent of graduates had taken algebra I before or during high school, and 70 percent had taken geometry. —Less than 0.05 percent.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, *The 1994 High School Transcript Study Tabulations: Comparative Data on Credits Earned and Demographics for 1994, 1990, 1987, and 1982 High School Graduates*, 1996. (This table was prepared September 1996.)