

Appendix table 1-10
High school graduates completing advanced mathematics courses (1990, 1994, and 1998), by student and school characteristics in 1998
 (Percent)

Year and characteristic	Any trigonometry/ algebra III	Any precalculus/ analysis	Any statistics/ probability	Calculus	
				Any	AP/IB
1990	20.7	13.6	1.0	7.2	NA
1994	24.0	17.4	2.1	10.2	NA
1998	20.8	23.1	3.7	11.9	6.3
Male	19.4	23.1	3.4	12.0	6.8
Female	22.5	22.9	4.0	11.6	6.0
White	23.6	25.1	4.3	13.1	7.0
Asian/Pacific Islander	18.0	41.4	3.8	20.1	13.1
Black	15.5	14.0	2.1	7.2	3.3
Hispanic	10.9	15.4	1.7	7.1	3.7
School urbanicity					
Urban	19.0	28.5	3.6	13.2	7.7
Suburban	20.9	26.7	4.0	12.1	7.5
Rural	22.6	13.4	3.4	10.4	3.5
School size ^a					
Small	22.2	21.9	3.6	10.8	3.4
Medium	21.9	22.8	3.8	12.9	6.9
Large	16.7	25.1	3.4	10.3	7.7
School poverty ^b					
Very low	26.3	35.4	6.5	15.6	8.8
Low	18.1	23.6	4.3	12.0	6.7
Medium	22.4	14.9	1.7	9.2	3.9
High	23.6	9.8	0.8	6.9	4.9

AP Advanced Placement

IB International Baccalaureate

NA not available

^aSmall = fewer than 600 students enrolled, medium = 600–1,800, and large = more than 1,800.

^bMeasured by percentage of students eligible for free or reduced-priced lunches: very low = 5 percent or less, low = 6–25 percent, medium = 26–50 percent, and high = 51–100 percent.

NOTES: AP and IB courses were coded separately in 1998 and 2000 but not in prior years. AP/IB calculus courses are counted both in their specific column and in the “any calculus” column. Before 1998, AP and IB courses were coded with the general set of courses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School Transcript Studies, various years.

Science & Engineering Indicators – 2004