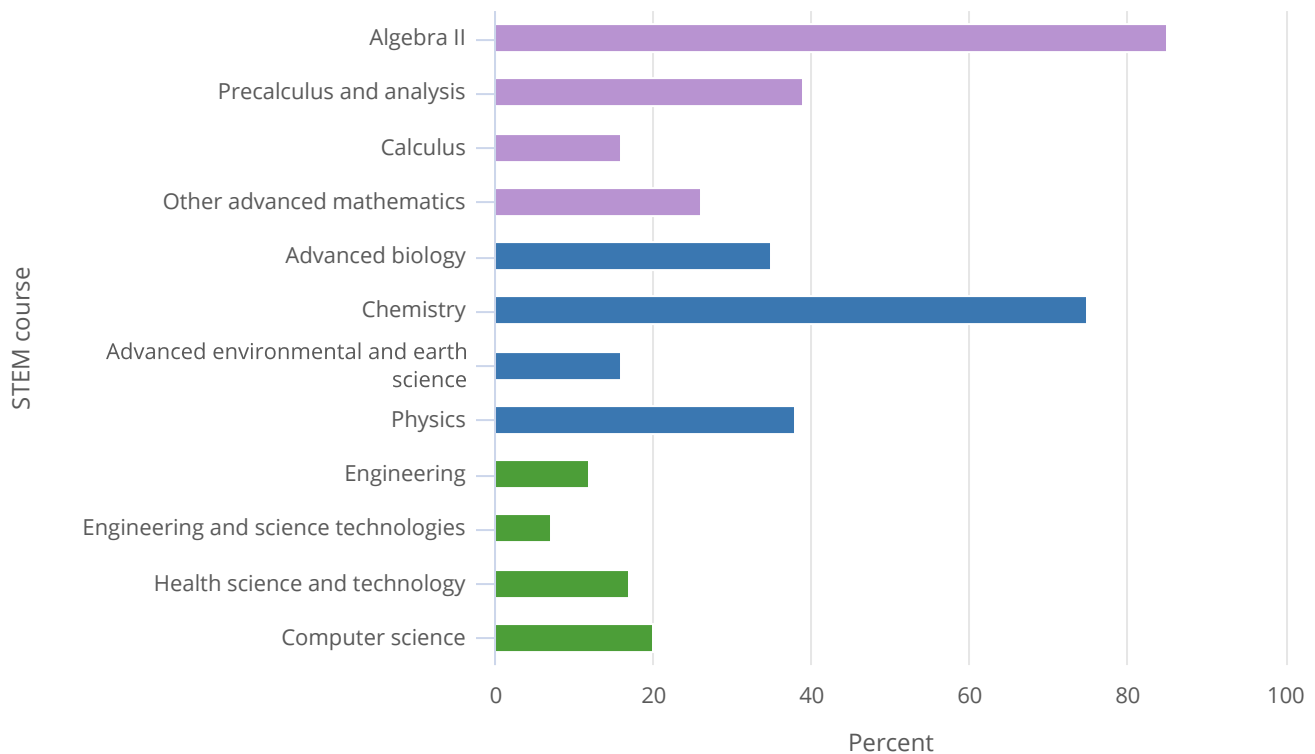


Figure K12-18

High school graduates who earned Carnegie credits in STEM advanced mathematics courses, advanced science and engineering courses, and STEM-related technical courses, by STEM course: 2019



STEM = science, technology, engineering, and mathematics.

Note(s):

One Carnegie credit is defined as 120 hours of class instruction over the course of a secondary school year. Advanced mathematics covers courses in algebra II, trigonometry, precalculus and analysis, probability and statistics, and calculus. Other advanced mathematics courses include primarily trigonometry and statistics and probability courses. Advanced science and engineering covers courses in advanced environmental and earth science, advanced biology, chemistry, physics, and engineering. Advanced biology courses include Advanced Placement (AP) and International Baccalaureate (IB) biology, physiology, anatomy, and genetics courses. Advanced environmental and earth science courses include AP or IB environmental science, college preparatory earth science, and various geology courses. STEM-related technical covers courses in engineering and science technologies, health science and technology, and computer science. Engineering and science technologies courses focus on instrumentation, equipment maintenance, and other technical tasks conducted in engineering and science-related occupations.

Source(s):

Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress High School Transcript Study, 2019.

Science and Engineering Indicators