

Fourth Course Options For High School Mathematics

There are two distinct course sequence pathways of the high school standards for the mathematics progression in grades 9-11:

- The Integrated Pathway with a course sequence of Math I, Math II, and Math III, each of which includes number, algebra, geometry, probability and statistics; and
- The Traditional Pathway with a course sequence of Algebra I, Geometry, and Algebra II, with some data, probability and statistics included in each course.

Each pathway organizes the identical standards into courses that provide a strong foundation for post-secondary success. As a result, the mathematics standards identified in Math I, Math II and Math III are identical to the standards identified in Algebra I, Geometry and Algebra II. The content is simply grouped differently among the three years. Local Education Agencies (LEA) must choose to implement either the Integrated or Traditional Pathway. Regardless of the pathway chosen for grades 9-11, the fourth course options for all students are the same.

Fourth course options are available to students in either pathway:

- A minimum of one AP® math course
- Additional AP® Mathematics Courses inclusive of AP® Computer Science A
- Advanced Mathematical Modeling
- AP® Calculus
- AP® Statistics
- Calculus
- Computer Science and Mathematics
- County Created and Approved Math Courses higher than Algebra II
- Dual Credit College Courses
- High School Mathematics IV - Trigonometry/Pre-calculus
- IB Program Courses
- Math IV TR
- Mathematics college courses
- STEM Readiness Mathematics
- Transition Mathematics for Seniors

Additional course options include dual credit mathematics courses and advanced mathematics courses offered through WV Virtual School. School teams, including counselors, teachers and administrators, should confer with the student and his/her parents to decide what fourth year mathematics course best meets the needs of the student.

