

CTE MATHEMATICS

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3rd Credit of Math

- » The third credit must be taken *after* the student completes Algebra I and Geometry (or Integrated Math I and II)

The third credit must be **either**:

- » Algebra II or Integrated Math III; **or**
- » Rigorous, high school level math that meets the student's education and career goals

3rd Credit of Math

Where the third credit is not Algebra II or Integrated Math III, it must be:

- » Based on a career-oriented program of study identified in the student's High School and Beyond Plan
- » Elected after a high school representative, parent and student meet to discuss the student's goals and the admission requirements of two and four-year colleges
- » Signed-off on by the high school representative, parent and student

We all agree that colleges, as well as the current workplace require high level thinking and problem solving.

Some students are concrete thinkers and benefit more from participatory experiences, rather than the “desk work” approach of a typical Algebra II class.

To help these students be successful at the advanced algebra level, we are working on a new way to teach the same content – a new delivery method.

Algebra II Applications

The new math course is:

- » Based on *some* Algebra II standards, and set in a CTE context
- » A collaboration of SBE, OSPI and the Transitional Math Project (TMP)
- » Intended to be a course that does not require students to pursue the election process (with the approval of SBE)

The development of CTE as a method of delivery for mathematics is vitally important to the preparedness of students for career and college.

Existing Programs

- » Applied Math
- » Financial Fitness
- » CTE equivalency-credited math courses

Work in Progress

- » Technical Mathematics for the Trades
- » Statistics
 - Introduction to Statistics (CTE Statistics)
 - Advanced Placement Statistics
- » Accounting
- » Business Math

CTE Math Examples

Architectural Drafting

Automotive Technology

Construction

Computer Programming

Economic Principles

Robotics

Engineering Applications

Engineering Design I & II

Engineering Drawing

Principles of Engineering

Sci-Ma-Tech

Drafting for Civil and
Architectural Engineering

Thank You

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