Senior Year Mathematics Course and Senior Math-Related Experience

The Michigan Merit Curriculum requires all students, beginning with the Class of 2011, to successfully complete:

- Geometry
- Algebra I
- Algebra II

In addition, all students in their senior year must successfully complete a

- Mathematics course or a
- Senior Math-Related Experience

Studies show students taking four years of **challenging** math including Algebra I, Geometry, Algebra II, and one additional **higher-level course** are more likely to succeed in college and the workplace.

The Utica Community Schools has determined many courses which qualify for the Senior Math-Related Experience. These courses, if completed successfully:

- Allow a wide range of options for all students
- Will satisfy the Michigan Merit Curriculum requirement for a 4th credit in a Senior Math-Related Experience

Students electing a Senior Math-Related Experience:

- May wish to enter the work force immediately after high school
- May be interested in attending a technical school
- May wish to pursue a field that does not have a heavy emphasis in mathematics
- Should prepare students to take an entry level math course in college, should they choose to pursue a 2-year college degree after high school

UCS Senior Math-Related Experience Course Offerings

Art Department

L014	AP Studio Art 2-D Design
L015	AP Studio Art 3-D Design
L016	AP Drawing
L100	Drawing
L110	Sculpture
L120	Painting
L065	Portfolio Prep: Drawing and Painting
L066	Portfolio Prep: Sculpture
L550	Multi-Media
V540	CTE Visual Technology

Math Department

Any math course listed in the UCS Math Department's Course Curriculum Guide will satisfy the senior level math-related experience requirement. Students may not retake a course for which they have already received credit prior to their senior year.

Science Department

D160	AP Chemistry
D210	Physics
D830	AP Physics 1 – Algebra Based
D235	AP Physics C - Mechanics

Theatre Department

B980	Stagecraft
B985	Advanced Stagecraft

Special Education Department

S100	Transition Skills

UCS Center for Science and Industry

THV462	CSI Engineering Technology II
THV525	CSI Mechatronics I
THV526	CSI Mechatronics II
THV550	CSI Multimedia Production I
THV552	CSI Multimedia Production II

Stevenson Manufacturing, Automation and Design Engineering

SMV725	Fabrication II
SMV710	Automation I
SMV715	Automation II
SMV610	Design & Engineering I
SMV615	Design & Engineering II

Career and Technical Education Department

Architecture and Construction Trades

V400	CTE Construction Trades
V800	CTE Construction Trades Capstone I
V810	CTE Construction Trades Capstone II
V650	CTE Architecture I-CAD
V660	CTE Architecture II-CAD
V670	CTE Advanced Architecture-Capstone
V510	CTE Architect CAD

Automotive and Small Engines

V435	CTE Auto I
V440	CTE Advanced Auto
V445	CTE Advanced Automotive Technologies
V485	CTE Small Engine Repair I
V490	CTE Advanced Small Engine Repair

Business, Finance, and Marketing

V130	CTE Accounting I
V135	CTE Accounting II
V150	CTE Introduction to Marketing
V160	CTE Advanced Marketing
V245	CTE Microsoft Office
G135	Finance

Computer Science and Information Technology

E190	CTE AP Computer Science Principles
E200	CTE Python Essentials Build Your Coding Skills
E210	CTE Foundations of AI and Data Science
E215	CTE AP Computer Science A
V250	CTE Web Page Development I
V260	CTE Web Page Development II
V546	CTE Cybersecurity

Design Engineering

V610	CTE Design & Engineering I -CAD
V620	CTE Design & Engineering II -CAD
V500	CTE Advanced Design & Engineering - CAD
V630	CTE Advanced Design & Engineering Capstone

Education and Family Consumer Science

V240	Consumer Education

Medical Health Science

V040	CTE Medical Science I
V050	CTE Medical Science II
V030	CTE Patient Care Tech

Welding

V420	CTE Welding I *(Stevenson Only)*
V430	CTE Welding II *(Stevenson Only)*