

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
2012-2013**

ART

L030	3-Dimensional Concepts/Crafts
L040	2-Dimensional Concepts/Design
L060	Studio Art: 2-Dimensional Concepts/Design
L065	Advanced Studio Art 2D
L550	Multi-Media
V540	CTE Visual Technology

Business

V130	Accounting I
V135	Accounting II
V150	Marketing I
V160	Marketing II
V245	MS Office
V260	Web Site Development

CSI

T-V460	CSI Engineering Technology I
T-V462	CSI Engineering Technology II
T-V525	CSI Mechatronics I
T-V526	CSI Mechatronics II
T-V550	CSI Multimedia Production I
T-V552	CSI Multimedia Production II

Medical & Health Sciences

V010	Medical & Health Science Careers
V020	Medical and Dental Assisting
V030	Nursing Assistant

Industrial Technology

I050	Machine Shop I
I060	Machine Shop II
I070	Auto I
I080	Auto II
I090	Small Engine Repair I
I180	Introduction to Electricity and Electronics
I190	Advanced Electronics
V400	CTE Construction Trades
V410	CTE Machine Shop—CAD, CAM, CNC
V420	CTE Welding I
V430	CTE Welding II
V440	CTE Auto (2 hr. block)
V460	Engineering Technology I
V462	Engineering Technology II
V490	CTE Small Engine Repair
V500	Design & Engineering Advanced CTE-CAD (2 hr. block)
V510	Architecture CTE-CAD
V525	CTE Mechatronics
V610	Design & Engineering I-CAD
V620	Design & Engineering II-CAD
V630	Design & Engineering III-CAD
V640	Design & Engineering IV-CAD
V650	Architecture I-CAD
V660	Architecture II-CAD
V670	Architecture III-CAD

There are 2 semester courses (.5 credit) that count toward the Senior Math-Related Experience:

Business

G135	Finance (.5 credit)
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Family and Consumer Science

V240	Consumer Education (.5 credit)
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Marketing II will include 19 Probability and Statistics HSCE.

This course, in partnership with **Algebra II Extended A & B**, will satisfy the 64 HSCEs necessary for graduation.

Math Department

Any math or computer science 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

D140	Honors Chemistry
D160	AP Chemistry
D210	Physics
D220	Honors Physics
D235	AP Physics