

Math Advising

www.math.emich.edu

Elementary Mathematics

Mathematics: The Perfect Major or Minor for Future Elementary School Teachers

An Invitation from the Department Chair

Math is a perfect choice for your major or minor. In addition to the fact that our program is specifically designed to meet the needs and challenges of elementary school teachers, a background in mathematics will make you more marketable as you begin your job search. Consider mathematics as your major or minor!

-Dr. Bette Warren, Department Chair

Mathematics Minor

**Course Requirements*

MATH 108 Mathematics for Elementary Teachers I (fa, wi, sp, su)
MATH 109 Mathematics for Elementary Teachers II (fa, wi, sp, su)
MATH 210 Algebra for Elementary Teachers (fa, wi, sp)
MATH 240 Geometry for Elementary Teachers (fa, wi, sp)
MATH 301 Advanced Topics in Elementary Mathematics (fa, wi)

5 hours of electives

20 hours total

*6 hours at the 300/400 level

Mathematics Major

**Course Requirements*

MATH 108 Mathematics for Elementary Teachers I (fa, wi, sp, su)
MATH 109 Mathematics for Elementary Teachers II (fa, wi, sp, su)
MATH 210 Algebra for Elementary Teachers (fa, wi, sp)
MATH 240 Geometry for Elementary Teachers (fa, wi, sp)
MATH 301 Advanced Topics in Elementary Mathematics (fa, wi)
MATH 403 Current Research in Elementary School Mathematics (wi)
MATH 120 Calculus

8 hours of electives

30 hours total

*9 hours at the 300/400 level

Transfer Courses

If you are transferring classes from another college, please check with EMU's homepage to determine course equivalencies.
<http://insight.emich.edu/Students/RecNReg/TranEquip/index.cfm>

Adding an Endorsement in Mathematics

If you already hold a teaching certificate but want to add an additional endorsement in mathematics to your present certificate, contact a math advisor for advice on the mathematics requirements. Then, call Nancy L. Dahl, Coordinator of Continuing Certification, at 734.487.0275.

Mathematics Courses

Plan Ahead! Here is when you can expect the following courses to be offered.

MATH 108 Math for Elem Teachers I (fa, wi, sp, su)

MATH 109 Math for Elem Teachers II (fa, wi, sp, su)

MATH 210 Algebra for Elem Teachers (fa, wi, sp)

MATH 240 Geometry for Elem Teachers (fa^{*}, wi, sp)

MATH 301 Advanced Topics in Elem Math (fa, wi^{*})

MATH 107 Plane Trigonometry

MATH 110 Mathematical Reasoning

MATH 118 Linear Models and Probability

MATH 119 Applied Calculus

MATH 120 Calculus

MATH 122 Elementary Linear Algebra

MATH 170 Elementary Statistics

MATH 382 Technology in Elem Math Education (wi, sp)

MATH 401 Math and Its History for Elem Teachers (fa)

MATH 403 Current Research in Elem School Math (wi^{*})

The following with approval by advisor:

MATH 477 Special Topics (semester varies)

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MATH 580 Math Connections (su, starting 2004)

MATH 582 Microcomputers for Educators (fa^{*})

MATH 583 Problem Solving (wi^{*}, su)

MATH 584 Middle Sch Math: Methods and Content (fa^{*})

MATH 591 Special Topics (sp,su)

* Evening class available

Join NCTM

You might consider joining the National Council of Teachers of Mathematics (NCTM) and beginning your professional reading with *Teaching Children Mathematics*. More information about NCTM, conferences, journals and online resources can be found at www.nctm.org

Michigan Test for Teacher Certification-Middle level Math Endorsement

You can find more information for the Michigan Test for Teacher Certification in Mathematics at <http://www.mttc.nesinc.com/>

You can order the study guides for the subject area tests at this site and you can register online. In addition the test objectives for the elementary subject area test are posted at

<http://math.emich.edu/~ctayeh/majorminortestobj.doc.pdf>

Only elementary math majors and minors that want to add an endorsement to teach math in the middle school need to take this exam.

WHEN AM I DONE?

Students should file for a Graduation Audit once they have earned 95 credit hours. Applications are available at the beginning of each Class Schedule book.

Elementary Math Advisors

For additional questions, contact an elementary mathematics advisor

Carla Tayeh, Carla.Tayeh@emich.edu
Barbara Britton, Barbara.Britton@emich.edu