Major in Mathematics: Secondary Education Program
Check Sheet - Effective Fall, 2015

Mathematics/Secondary Education majors must earn a minimum of 40 credits in mathematics subject to the restrictions outlined below. (Note: A grade of “C-” or better is required in all mathematics courses counted toward degree requirements.) (Note: A grade of “B-” or better is required in Math 2640 and 2740 as a prerequisite to Math 3020.) All mathematics majors in secondary education must complete at least 12 upper-level credits in mathematics at UW-Platteville. These credits must be from courses numbered above 3100, with the exceptions that MATH 2730 Discrete Mathematics and/or MATH 3020 Teaching of Mathematics in the Middle and Secondary School may be part of the 12 credits. The 12 credits completed at UW-Platteville may include repeats of courses taken at another campus.

Mathematics Core Requirement (all of the following):
- Math 2640 Calculus and Analytic Geometry I (4 credits)
- Math 2730 Discrete Mathematics (3)
- Math 2740 Calculus and Analytic Geometry II (4)
- Math 2840 Calculus and Analytic Geometry III (4)
- Math 3020 Teaching of Mathematics in the Middle and Secondary School (3)
- Math 3130 College Geometry (3)
- Math 3230 Linear Algebra (3)
- Math 3330 Modern Algebra (3)
- Math 4030 Statistical Methods with Applications (3)
- Math 4430 Advanced Calculus (3)
- Math 4810 Senior Seminar (1)

Mathematics Electives Requirement:
All mathematics majors must complete at least 6 additional credits in mathematics. Courses numbered below 2640 or between 3000 and 3100 may not be counted toward this requirement. Courses that will fulfill this requirement are listed on the back of this page.

Electives: □ Math □ Math

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Required Courses Not Included in the 40 Credit Minimum

Computer Science Requirement (one of the following):
- CoSc 1130 Introduction to Programming
- CoSc 1430 Programming in C++

Natural Science Requirement (one of the following):
- Chem 1140 General Chemistry (4)
- Chem 1450 Chemistry for Engineers (5)
- Phys 2240 General Physics I (4)

Approved by Department 4-19-10
Mathematics courses, other than the Mathematics Core, that can be used to fulfill the Mathematics Electives Requirement
(All courses carry 3 credits unless otherwise indicated.)

Math 3630  Differential Equations I
Math 3730  Numerical Analysis
Math 3830  Differential Equations II
Math 4040  Statistics and Probability
Math 4320  History and Development of Mathematical Concepts
Math 4330  Theory of Numbers
Math 4530  Complex Variables
Math 4620  Topics in Modern Mathematics (1-3 credits)
Math 4660  Cooperative Field Experience (1-8 credits)
Math 4920  Independent Study in Mathematics (1-3 credits)