

Minor in Mathematics: Secondary Education Program
Check Sheet - Effective Fall, 2003

Mathematics minors in the secondary education program must earn a minimum of 24 credits in mathematics which must include:

All of the following:

Math 2640	Calculus and Analytic Geometry I (4 credits)
Math 2740	Calculus and Analytic Geometry II (4)
Math 2840	Calculus and Analytic Geometry III (4)
Math 3130	College Geometry (3)
Math 3230	Linear Algebra (3)
Math 3330	Modern Algebra (3)
Math 4030	Statistical Methods with Applications (3)

Required Courses Not Included in the 24 Credit Minimum

Teaching Requirement:

Math 3020 Teaching of Mathematics in the Middle and Secondary School (3)

Computer Science Requirement (one of the following):

CoSc 1130 Introduction to Programming

CoSc 1430 Programming in C++

or Demonstrate proficiency in a high level computer language such as FORTRAN, Pascal, C, or C++

Natural Science Requirement (one of the following):

Chem 1140 (or 1450) General Chemistry

Phys 2510/2530 General Physics I

Note: Other mathematics courses which may be taken for additional credit are listed on the back of this sheet.

If courses are not 3 credits, the number of credits is in parentheses after the course name.

Math 2730	Discrete Mathematics
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 (2)
Math 4330	Theory of Numbers
Math 4430	Advanced Calculus
Math 4530	Complex Variables
Math 4620	Topics in Modern Mathematics (1-3)
Math 4660	Cooperative Field Experience (1-8)
Math 4920	Independent Study in Mathematics (1-3)