

## Minor in Mathematics

### Check Sheet - Effective Fall, 2003

Mathematics minors must earn a minimum of 24 credits in mathematics subject to the restrictions outlined below. Credit for courses numbered below 2640 or between 3000 and 3100 may **not** be included in this total.

**All three of the following (The Core):**

- 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)

**At least one of the following three:**

- Math 3230      Linear Algebra (3)
- Math 3630      Differential Equations I (3)
- Math 3730      Numerical Analysis (3)

**Mathematics Electives Requirement:**

All mathematics minors must complete at least 9 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.

Courses:      Math \_\_\_\_\_      Math \_\_\_\_\_      Math \_\_\_\_\_      Math \_\_\_\_\_

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#### Required Courses Not Included in the 24 Credit Minimum

**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

**Mathematics courses, other than the Core, that can be  
used to fulfill the 9 credit elective requirement**

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

Math 2730	Discrete Mathematics
Math 3130	College Geometry
Math 3230	Linear Algebra
Math 3330	Modern Algebra
Math 3630	Differential Equations I
Math 3730	Numerical Analysis
Math 3830	Differential Equations II
Math 4030	Statistical Methods with Applications
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)