

Mathematics Secondary Education Concentration

Department Requirements

Note: after each of the following courses, the prerequisites are given in parentheses ().

I. Mathematics Requirements

MATH 132 Precalculus (**MATH 131**)

MATH 201 Calculus I (**MATH 132**)

MATH 202 Calculus II (**MATH 201**)

MATH 203 Basic Statistics (**DVMT 108**)

MATH 207 Technology Based Mathematics for Teachers (**MATH 104**)

MATH 208 Mathematics for High School Teachers (**MATH 131**)

MATH 211 Discrete Mathematics I (**MATH 131**)

MATH 250 The Language of Mathematics (**MATH 201**)

MATH 301 Linear Algebra (**MATH 131**)

MATH 303 Introduction to Mathematical Statistics I (**MATH 202**)

MATH 307 Elements of Euclidean and Non-Euclidean Geometries (**MATH 131**)

MATH 310 Algebraic Structures (**MATH 201**)

MATH 315 Origin of Mathematics (**MATH 307**)

MATH 417 Mathematics Seminar (**MATH 202**)

II. Computer Science Requirements

COSC 199 Introduction to Computer Programming

III. Science General Education Requirement (GER)

MATH 131 College Algebra for Mathematics and Science Majors (**prerequisite DVMT 109**). This is a 3 credit course. **This course serves as the Mathematics GER (Category IV).**

Also required are:

- 4 credits in calculus-based physics: **PHYS 303**. **This course serves as one of the Natural Science GER (Category V) options,** and
- The required pre-professional courses of the Secondary Education Program.

NOTE: A student who chooses this program should contact the Teacher Education Coordinator as soon as possible for other requirements.