



**Specialization Requirements in Secondary Education - Mathematics
Checklist Fall 2015**

Core Courses for Mathematics Major Degree

<input type="checkbox"/> MTH-141 Introductory Calculus with Analytic Geometry	4 credits
<input type="checkbox"/> MTH-142 Intermediate Calculus with Analytic Geometry	4 credits
<input type="checkbox"/> MTH-215 Introduction to Linear Algebra	3 credits
<input type="checkbox"/> MTH-243 Calculus for Functions of Several Variables	3 credits
Total Core Courses	14 credits

Mathematics BA - Secondary Education in Mathematics

32 MTH credits - Total program credits 120.

Core Courses 14 credits

Plus the following courses

<input type="checkbox"/> MTH-307 Introduction to Mathematical Rigor.....	3 credits
<input type="checkbox"/> MTH-316 Algebra	3 credits
<input type="checkbox"/> MTH-322 Concepts of Geometry	3 credits
<input type="checkbox"/> MTH-382 Number Theory.....	3 credits
<input type="checkbox"/> MTH-447 Discrete Mathematical Structures	3 credits
<input type="checkbox"/> MTH-451 Introduction to Probability and Statistics	3 credits
Required Total	32 credits

In addition to the above, all students are required to take the following concurrently with EDC-430.

These courses are required for the secondary education degree in mathematics education.

<input type="checkbox"/> MTH-420 Re-examining Mathematical Foundations for Teachers	3 credits
<input type="checkbox"/> MTH-391 Special Problems	1 credit