MATHEMATICS - BA

First Year | Sophomore | Junior | Senior
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Semester 1 | Semester 1 | Semester 1* | Semester 1*
MATH 113 (ACT Math >=26) | MATH 200 and/or MATH 210
or MATH 108 (ACT Math=22-25)**
Semester 2 | Semester 2 | Semester 2* | Semester 2*
MATH 114 | MATH 240
or MATH 109

REQUIREMENTS FOR MAJOR
MATH 113 Calculus I (or 108 and 109)
MATH 114 Calculus II
MATH 200 Multi-Variable Calculus
MATH 210 Intro to Differential Equations
MATH 240 Linear Algebra
MATH 301 Abstract Algebra I
MATH 317 Real Analysis

Allied requirement:
CISC130 Introduction to Programming & Problem Solving in the Natural Sciences

Plus one of the mathematics tracks below:

**Pure Mathematics Track**
MATH 302 Abstract Algebra II
MATH 419 Complex Variables
MATH 420 Topology

**Statistics Track**
MATH 313 Probability
STAT 314 Mathematical Statistics
STAT 333 Applied Statistical Methods
MATH 385 Mathematical Methods of Numerical Analysis

Mathematics Education Track
MATH 325 Geometry
MATH 450 Advanced Mathematics: Exploration & Exposition
MATH 313 & STAT 314 OR MATH 303 and any MATH 300+ not already taken

Applied Mathematics Track
MATH 315 Applied Mathematics & Modeling I
MATH 316 Applied Mathematics & Modeling II

Plus eight credits from the following:
MATH 300 Advanced Differential Equations
MATH 303 Statistics for the Applied Sciences
MATH 313 Probability
STAT 314 Mathematical Statistics
MATH 385 Mathematical Methods of Num. Analysis
MATH 400 Dynamic Systems and Chaos
MATH 419 Complex Variables

* Students should consult with a mathematics department advisor in planning their major courses beyond MATH 210.

** If student’s ACT Math score is below 22, contact the director of the Mathematics Resource Center (962-5529). Mathematics courses are sequential, and students must receive a grade of C- or better in the preceding course in order to continue.

***Students entering with advanced placement in mathematics should continue with more advanced courses.