

Bachelor of Science - Mathematics Minor 2011/2012 academic year

Total credits required for minor = 18 senior-level credits (non-duplicative coursework)

Prerequisite Junior Courses (9 credits):

- MATH 113 or 114: Elementary Calculus I
- MATH 115: Elementary Calculus II
- MATH 120 or 125: Basic Linear Algebra I

Note: These courses may be used to satisfy part of the Science Degree junior core requirements. Additional prerequisites may be required for other courses in this minor. Please consult the course descriptions in the MacEwan calendar.

Senior-level Courses Satisfying Minor Requirement (18 credits)

18 credits from the following:

Note: A minimum of 6 credits must be completed at the 300 or 400 level.

- MATH 200: Fundamental Concepts of Mathematics
- MATH 214: Intermediate Calculus I
- MATH 215: Intermediate Calculus II
- MATH 222: Discrete Mathematics
- MATH 225: Linear Algebra II
- MATH 241: Geometry
- MATH 310: Real Analysis
- MATH 311: Complex Variables
- MATH 312 (STAT 312): Probability Theory (cannot receive credit for both MATH 312 and STAT 312)
- MATH 320: Number Theory
- MATH 321: Introduction to Ring Theory (formerly MATH 228)
- MATH 330: Ordinary Differential Equations
- MATH 341: Axiomatics of Geometry
- MATH 350: Introduction to Graph Theory
- MATH 361: History of Mathematics
- MATH 410: Analysis and Topology
- MATH 420: Algebra II
- MATH 436: Partial Differential Equations
- MATH 495: Special Topics in Mathematics and Statistics

Note: Not all courses listed are offered each year.