

BACHELOR OF SCIENCE MATHEMATICS MINOR

2015/16 Academic Year

REQUIRED JUNIOR LEVEL COURSES ^{1,2}	9 CREDITS
 MATH 114: Elementary Calculus I³ MATH 115: Elementary Calculus II MATH 120: Basic Linear Algebra I or MATH 125: Linear Algebra I 	
GENERAL SENIOR LEVEL COURSES ⁴	18 CREDITS
Within the 18 credits required to meet this minor's requirements, 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: Introduction to Discrete Mathematics MATH 222: Linear Algebra II MATH 228: Algebra: Introduction to Ring Theory MATH 241: Geometry STAT 265: Probability Theory MATH 310: Real Analysis MATH 311: Theory of Functions of a Complex Variable MATH 320: Elementary Number Theory MATH 321: Fields and Modules MATH 331: Fields and Modules MATH 335: Numerical Methods MATH 336: Introduction to Graph Theory MATH 350: Introduction to Graph Theory MATH 361: History of Mathematics MATH 410: Analysis and Topology MATH 420: Groups and Galois Theory MATH 436: Introduction to Partial Differential Equations MATH 436: Introduction to Partial Differential Equations	

IMPORTANT PLANNING NOTES

- 1. These courses can be used to satisfy core requirements in the Bachelor of Science degree. Additional prerequisites may be required for other courses in this major.
- 2. Students are required to consult with the MacEwan University Academic Calendar to ensure they meet the prerequisites for all Mathematics courses they enrol in.
- 3. This requirement can also be met with MATH 113, which was previously offered at MacEwan University.
- 4. Arts students who choose a Mathematics minor must comply with Bachelor of Science minor residency requirements. Science minors must complete a minimum of nine senior level MacEwan University credits, including a minimum of three credits at the 300-or 400-level.
- 5. Students may take MATH 495 for credit a maximum of two times, as long as the course topic is different each time they take it.

This planning sheet should be used only as a **guide** for course planning and it should be used in conjunction with the Bachelor of Science or Bachelor of Arts degree planner. Remember: not all courses listed are offered each year and course offerings are subject to change. In the event of a discrepancy between the information presented on this sheet and that available on myStudentSystem, the information on myStudentSystem will be considered accurate.