

**REQUIRED PREREQUISITE COURSES<sup>1,2,3</sup>**

**6 CREDITS**

- MATH 114: Elementary Calculus I<sup>4</sup>
- MATH 115: Elementary Calculus II

**REQUIRED SENIOR LEVEL COURSES**

**6 CREDITS**

- STAT 265: Probability Theory
- STAT 266: Mathematical Statistics

**GENERAL SENIOR LEVEL COURSES<sup>6</sup>**

**12 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.**

- STAT 252: Applied Statistics II
- STAT 324: Computational Statistics with R
- STAT 332: Finite Markov Chains and Applications
- STAT 350: Sampling Theory and Applications
- STAT 353: Design & Analysis of Experiments
- STAT 370: Applied Time Series Analysis
- STAT 371: Applied Categorical Data Analysis
- STAT 372: Applied Multivariate Analysis
- STAT 378: Applied Regression Analysis
- STAT 412: Stochastic Processes
- STAT 495: Special Topics in Statistics<sup>5</sup>

**IMPORTANT PLANNING NOTES**

1. **MATH 114** and **MATH 115** can be used to satisfy core requirements in the Bachelor of Arts and Bachelor of Science degrees.
2. Students are required to consult with the MacEwan University Academic Calendar to ensure they meet the prerequisites for all Statistics and Mathematics courses they enrol in.
3. Students choosing a Statistics minor will typically require both **STAT 141** (no longer offered) or **STAT 151** and **MATH 120** or **MATH 125**, as they are prerequisites for courses students may choose to take toward their General Senior Level Course requirements. These courses will be placed in either a student's core requirements, or their options.
4. This requirement can also be met with **MATH 113**, which was previously offered at MacEwan University.
5. Students may take **STAT 495** for credit a maximum of two times, as long as the course topic is different each time they take it.
6. Arts students who choose a Statistics 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.