

## BACHELOR OF SCIENCE STATISTICS MINOR

2013/14 Academic Year

<b>REQUIRED PREREQUISITE COURSES<sup>1, 2</sup></b>	<b>15 CREDITS</b>
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- MATH 114: Elementary Calculus I<sup>3</sup>
- MATH 115: Elementary Calculus II
- MATH 120: Basic Linear Algebra I or MATH 125: Linear Algebra I
- MATH 214: Intermediate Calculus I
- MATH 215: Intermediate Calculus II

<b>REQUIRED SENIOR LEVEL COURSES</b>	<b>6 CREDITS</b>
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- STAT 265: Probability and Statistics Theory
- STAT 266: Mathematical Statistics

<b>GENERAL SENIOR LEVEL COURSES<sup>4</sup></b>	<b>12 CREDITS</b>
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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 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

### IMPORTANT PLANNING NOTES

1. **MATH 114**, **MATH 115**, and **MATH 120/125** can be used to satisfy core requirements in the Bachelor of Science degree, while **MATH 214** and **MATH 215** will be placed in a student's options, or in their major when applicable.
2. Students choosing a Statistics minor will typically take **STAT 141** or **STAT 151**. This course will be placed in a student's options.
3. This requirement can also be met with **MATH 113**, which was previously offered at MacEwan University.
4. 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 credits, including a minimum of three credits at the 300- or 400-level.