### Year 1 (5.0 Courses)

- **Calculus 1000A/B or 1500A/B** (or the former 1100A/B)
- **Calculus 1501A/B** or Calculus 1301B with a mark of at least 85%
- **Mathematics 1600A/B** (or the former Linear Algebra 1600A/B)
- 1.0 courses from Psychology 1000, Biology 1001A or 1201A, Biology 1002B or 1202B, or Sociology 1020
- 0.5 other principal course
- 2.0 options

**NOTE:** At least 1.0 course must be chosen from two of Category A, B, and C as listed in the Academic Calendar (e.g. 1.0 from A and 1.0 from C)

### Admission to the Major Module:

Complete first year (5.0 courses) with no failures including:

- Minimum grade of 60% in each of:
  - Calculus 1000A/B, Calculus 1100A/B, or Calculus 1500A/B
  - Calculus 1501A/B or Calculus 1301B with a mark of at least 85%
  - Mathematics 1600A/B (or the former Linear Algebra 1600A/B)
  - 1.0 courses from Psychology 1000, Biology 1001A or 1201A, Biology 1002B or 1202B, or Sociology 1020
  - 0.5 other principal course

### Recommended (but not required) first year courses:

- Statistical Science 1024A/B and/or Statistical Science 1023A/B.

**NOTE 1:** Math1600A/B is normally taken in Year 1. If not taken in Year 1, it must be completed in the first term of Year 2. AM1411A/B may be substituted for Math 1600 A/B.

**NOTE 2:** AM1413 may be substituted for the Calculus course requirements

### Module (6.0 courses) **

- **3.0 courses:** Statistical Science 2857A/B, 2858A/B, 2864A/B, 3843A/B, 3850F/G, 3859A/B.
- **0.5 course:** Calculus 2402A/B.
- **0.5 course** from: Biology 2290F/G, Sociology 2206A/B.
- **0.5 course:** Epidemiology 2200B.
- **1.0 course** from: Applied Mathematics 2402A, 3615A/B, Financial Modelling 3817A/B; Psychology 3800F/G, 3840F/G; Sociology 2236A/B, 441A/B; Statistical Science 4846A/B, 4850F/G, 4853A/B, or any approved Statistics course at the 3000-level or higher.
- **0.5 course** from: Statistical Science 4846A/B, 4853A/B.

Calculus 2402A/B may be replaced by either Calculus 2502A/B and 2503A/B, or Calculus 2502A/B and Mathematics 2123A/B. When such a replacement occurs, the module will include 6.5 courses.

### Optional (9.0) Courses

An additional Major or Minor module may be taken here. You must successfully complete this additional module with a minimum mark of 60%

**Notes:**

- Many modular course pre-requisites stipulate a minimum grade of 60%
- This module can only be used in a 4 year (honour or non-honours) degree
- Courses common to more than one module taken require substitution
- if you’re considering completing another module(e.g. double major), the other module must be from a different department

### Progression Requirements

- Satisfy the progression requirements for the University (Level I and Level II as described in the Academic Calendar)

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**Graduation Requirements**

### Breadth Requirement:

- At least 1.0 course from each of Category A, B, and C as listed in the Academic Calendar

### Essay Requirement:

- 2.0 essay courses (1.0 must be senior course). Any Actuarial, Financial Modelling or Statistical Sciences essay course taken can be used towards this requirement.

### Senior Courses:

- 13.0 senior courses (numbered 2000-4999)

### Average Requirements:

- Minimum overall average of 60% on the 20.0 courses
- Minimum cumulative modular average of 60% in the major module
- Passing grade in each course
- Minimum cumulative modular average of 60% in any additional Major or Minor module completed

### Residency Requirement:

- Minimum of 15.0 courses must be completed at Western University, as well as the majority of your modular courses

**Note:** To graduate with a BSc, a total of at least 11.0 courses must be taken from the Faculty of Science.

### Department Recommendation for order in which modular courses should be taken:

**Second Year**

- Calculus 2402A Calculus with analysis for Statistics
- SS2857A Probability and Statistics I
- SS2858B Probability & Statistics II
- SS2864B Statistical Programming

Courses from modular selection list(s)

**Third Year**

- SS3843A Introduction to Study Design
- SS3859A Regression
- SS3850F/G Data Analysis
- Epidemiology 2200B* Introduction to Epidemiology

Courses from modular selection list(s)

**Fourth Year**

Any modular courses not yet completed

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**Note:** The following course subject name/number changes was made effective September 2014. Equivalency is automatic when determining the fulfillment of modular requirements:

AM3817→FM3817; Epidemiology and Biostats 2200b →Epidemiology 2200b

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**Last updated July 11, 2016**