### Year 1 (5.0 Courses)
- **Calculus 1000A/B or 1500A/B or the form 1100A/B**
- **Calculus 1501A/B or Calculus 1301A/B with a mark of at least 85%**
- **Mathematics 1600A/B or the former Linear Algebra 1600A/B**
- **1.5 other principal courses**
- **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 Honors Specialization Module:
Complete first year (5.0 courses) with no failures including:
- **Minimum average of 70% on 3.0 principal courses with no mark less than 60% in any of the 3 principal courses:**
  - **Calculus 1000A/B or 1100A/B or 1500A/B**
  - **Calculus 1501A/B or Calculus 1301A/B with a mark of at least 85%**
  - **Mathematics 1600A/B or the former Linear Algebra 1600A/B**
  - **1.5 other principal course**

**Recommended (but not required) first year courses:**
- Statistics 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 (9.0 Courses) **
- **6.0 courses:** Statistical Sciences 2503A/B, 2857A/B, 2858A/B, 2864A/B, 3657A/B, 3843A/B, 3858A/B, 3859A/B, 3850F/G, 4846A/B or 4853A/B, 4850F/G, 4861A/B.
- **0.5 courses:** Calculus 2402A/B.
- **1.5 courses from:** Actuarial Science 3424A/B, 4824A/B, 4823A/B, one of Statistical Sciences 4846A/B or 4853A/B.
- **1.0 courses from:** Actuarial Science 3424A/B, 4824A/B, 4823A/B, Financial Modelling 3520A/B, 3613A/B, 3817B, AM3815A/B, any Statistical science course at the 4000 level, or any course at the 4000 level approved by the Department of Statistical and Actuarial Sciences.

Calculation 2402A/B may be replaced by either (Calculus 2502A/B and Calculus 2503A/B) or (Calculus 2502A/B and Mathematics 2123A/B). When such a replacement occurs, the module will include 9.5 courses.

### Options (6.0 Courses)
Additional Major or Minor module may be taken here. You must successfully complete this additional module with a minimum mark of 60%.

**Notes:**
- Courses common to more than one module taken require substitution
- If you’re considering completing another module, the other module must be from a different department

### Progression Requirements
- Minimum cumulative modular average of 70%
- Minimum mark of 60% in each course of module
- Passing grade in each option

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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 65% on the 20.0 courses
- Minimum cumulative modular average of 70% and a minimum mark of 60% in each course of the 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

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
- S2857A Probability and Statistics I

**S2850B Probability & Statistics II**

**S2864B Statistical Programming**

**Third Year**
- S2834A Introduction to Study Design
- S2835A Experimental Design
- S2857A Intermediate Probability
- S2850G Data Analysis
- S3850B Mathematical Statistics

0.5 courses from the 1.0 or 1.5 modular course selection list

**Fourth Year**
- S2850F Advanced Data Analysis
- S2861B Time Series
- 1.0 of S2846A/B Experimental Design or S2853A/B Sampling Theory and Methods

1.5 courses from the “1.5 modular course selection list” (1.0 if one of these is taken during 3rd year)

0.5 courses from the “1.0 modular course selection list” (1.0 if none are taken prior to 4th year)

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

AM2503→SS2503; AM3613→FM3613; AM3817→FM3817; SS3520→FM3520; SS4521→FM4521; SS4998→FM4998

**Last updated July 11, 2016**