### Module and Graduation Planning

#### First Year
5.0 courses numbered 1000-1999, including 1.0 from Category A or B
No principal courses less than 60%

#### Module Courses
4.0 courses specified by Department.
60% cumulative average in minor module.

#### Essay
2.0 E, F, G, Z courses including 1.0 from 2000 level or above (essay courses must be done at Western)

#### Breadth
- 1.0 Category A (Social Science, Interdisciplinary and Multidisciplinary, Various)
- 1.0 Category B (Arts & Humanities and Languages)
- 1.0 Category C (Science)

#### Courses
No more than 7.0 Year 1 courses, 13.0 minimum senior level

#### BSc degree
4 year: 11.0 Science/BMSc courses (14.0 maximum in one subject area) * 3 year: 8.0 Science/BMSc courses (9.0 maximum in one subject area)*

#### Averages
60% cumulative average in any additional Module taken
60% cumulative average on 20.0 courses successfully completed

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*Subject Areas: Actuarial Science; Astronomy; Biology; Chemistry; Computer Science; Earth Sciences; Environmental Sciences; Physics; Statistical Sciences - are all separate subject areas. Courses in Applied Mathematics, Calculus and Mathematics belong to the same subject area – the subject area of mathematics.

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*A Minor must be combined with another Minor or a Major in order to meet graduation requirements of a 3 year (15 credits) or 4 year degree (20 credits)*
Minor In Advanced Chemistry
4.0 Module Courses

**Admission Requirements:**
- Available only to those students who will complete one of the following modules: Honors Specialization in Chemistry, Honors Specialization in Biochemistry and Chemistry, or a Specialization in Chemistry.

**Module Courses: 4.0 Courses**
- **4.0 courses** (at least 2.0 of which must be at the 4000 level) from among the following courses not already taken: Chemistry 3300F/G, 3320A/B, 3330F/G, 3364A/B, 3384F/G, 3391A/B, 3393A/B, 4400A/B, 4441A/B, 4444A/B, 4471A/B, 4472A/B, 4473A/B, 4474A/B, 4481A/B, 4483A/B, 4493A/B, 4494A/B.
- **Up to 1.0 course** may be chosen from: Applied Math 2402A, Applied Math 2811B, 2813B, 2814F/G, Calculus 2302A/B, 2303A/B.

**Points to Consider:**
- Course selection should be discussed with the Chemistry counsellor.
- See back page for important information.

**Notes:**
- You may have taken a former course that isn’t listed, because it isn’t offered anymore, but still meets the requirements of the degree – refer to the online academic calendar for the complete list of substitutions.
- Students should plan this module taking into account prerequisites of senior courses.
- The order of courses listed here is a recommendation only. It is possible to complete this module in a different order than what is listed here.

**Common Course Policy:**
To be considered if you are completing two modules with common courses. You are allowed to double count 1.0 credits toward both modules. Any remaining common courses are distributed between the two modules as evenly as possible and substituted with alternate courses. Please note, when choice exists in a module, courses are not considered common unless and until all choice is exhausted. For more information, see the Academic Counselling website or speak with an Academic Counsellor.