### 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**
- 6.0 courses specified by Biology
- 60% cumulative average in major 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.*
## Major In Ecosystem Health

6.0 Module courses

### Year 1: 5.0 Courses (3.0 Principal Courses)

- Biology 1001A or 1201A and Biology 1002B or 1202B
- Chemistry 1301A/B and 1302A/B
- **0.5 course** from: Physics 1028A/B, 1301A/B or 1501A/B
- **1.0 course** from: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Math 1225A/B, 1228A/B, 1229A/B or 1600A/B, Stats 1024A/B, Applied Math 1201A/B. MATH 1225A/B can only be taken before AM 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B.
- **1.5 elective courses** (Must do 1.0 of Category A or B requirement)

### Points to Consider:

- Biology (minimum mark of 60%), Chemistry, and 1.0 course of your choosing are the principal courses.
- If math requirement is not completed in first year, it must be completed by the end of second year.
- Earth Science 1088F/G and Environmental Science 1021F/G - highly recommended.

### Year 2/Year 3/Year 4: 5.0 Courses (each year)

- **★ 3.0 courses** from the following: At least 1.0 course from: Chemistry 2210A/B, Civil and Environmental Engineering 4405A/B, Environmental Science 3300F/G, 3350F/G; and at least 0.5 course from: Geography 2430A/B, 3431A/B, Sociology 2246A/B; At least 1.0 course from: Epidemiology and Biostatistics 2200A/B, Microbiology and Immunology 2500A/B, Pathology 3240A, 3245B, 4400A/B, Pharmacology 4660A/B.
- **★ 9.0 elective courses**

Must be taken in year 2:

- 0.5 course: Biology 2483A/B
- 0.5 course: from Biology 2244A/B, Stats 2244A/B
- 0.5 course: from Biology 2485B, Medical Biophysics 3336F/G (If choosing Medical Biophysics 3336F/G it must be taken in year 3).

Must be taken in year 3:

- 0.5 course: Biology 3484A/B

Must be taken in year 4:

- **1.0 course**: Biology 4230A/B, 4405F/G

### Points to Consider:

- These courses can be taken in 2nd, 3rd and/or 4th year.
- At least 3.5 courses taken in the module must be from the Faculty of Science
- See back page for important information.

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**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 an until all choice is exhausted. For more information, see the Academic Counselling website or speak with an Academic Counsellor.