## 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**
9.0 courses (or more depending on module) specified by Department

60% cumulative average in specialization module

**Essay**
2.0 E, F, G 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)*

**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.
<table>
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<tr>
<th>Specialization In Environmental Geoscience</th>
<th>10.5 Module Courses</th>
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**Year 1:** 5.0 Courses (3.0 Principal Courses)
- 1.0 course from: Chemistry 1301A/B and 1302A/B
- 1.0 course: Biology 1001A or 1201A and 1002B or 1202B
- 1.0 course from: Calculus 1000A/B or 1500A/B and one of Applied Math 1201A/B, Calculus 1301A/B or 1501A/B, Math 1600A/B, Stats 1024A/B; or Math 1225A/B and 1229A/B. This requirement must be completed by the end of second year.
- 2.0 elective courses (Must do 1.0 of Category A or B requirement)

*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.

**Notes:**
- The 3.0 principal courses, with no mark less than 60%, are listed above.

**Year 2:** 5.0 Courses
- 3.5 courses: Earth Sciences 2200A/B, 2201A/B, 2206A/B, 2220A/B, 2230A/B, 2250Y, 2260A/B
- 1.5 elective courses

*Points to Consider:*
- Earth Science 2250Y students must register prior to the Sept ‘add’ deadline

**Year 3:** 5.0 Courses
- 1.5 courses: Earth Sciences 3314A/B, 3340A/B, 3341A/B
- 0.5 course: Chemistry 2210A/B
- 0.5 course from: Biology 2244A/B or Stats 2244A/B
- 0.5 course: Biology 2485B
- 0.5 course from: Geography 2153A/B
- 1.5 elective courses

**Year 4:** 5.0 Courses
- 1.0 course from: Earth Sciences 4431A/B, 4440A/B, 4462A/B
- 1.0 course: Environmental Science 3300F/G, 3350F/G
- 0.5 course from: Biology 2217B, 2290F/G, 2404A, 2483A, 3220Z, 3435F/G, 3445F, 3446B, 4405F/G, Pharmacology 4630A
- 0.5 course from: Political Science 2137, 2235E, Philosophy 2033A/B, all Geography courses at the 2000 level or above, Biology 4243G
- 0.5 additional course from: Earth Sciences 2240F/G, 2241A/B, 3320A/B, 3369A/B, 3370A/B, 4431A/B, 4440A/B, 4444A/B, 4462A/B, Civil and Environmental Engineering 4405A/B
- 1.5 elective courses

*Points to Consider:*
- If Political Science 2137 or 2235E is chosen the module will consist of 11.0 courses
- See back page for important information.