

Degree Planning and Checklist WORKSHEET

YEAR 1	Specialization (YEARS 2-4)		
1a. Principal	6a. SP	11a. SP	16a. SP
1b. Principal	6b. SP	11b. SP	16b. SP
2a. Principal	7a. SP	12a. SP	17a. SP
2b. Principal	7b. SP	12b. SP	17b. SP
3a. Principal	8a. SP	13a. SP	18a. SP
3b. Principal	8b. SP	13b. SP	18b. SP
4a. elective	9a. elective	14a. SP	19a. SP
4b. elective	9b. elective	14b. elective	19b. elective
5a. Cat A or B	10a. elective	15a. elective	20a. elective
5b. Cat A or B	10b. elective	15b. elective	20b. elective

**Module and Graduation Planning**

<b>First Year</b>	5.0 courses numbered 1000-1999, including 1.0 from Category A or B	
	No principal courses less than 60%	
<b>Module Courses</b>	9.0 courses (or more depending on module) specified by Department	
	60% cumulative average in specialization module	
<b>Essay</b>	2.0 E, F, G courses including 1.0 from 2000 level or above (essay courses must be done at Western)	
<b>Breadth</b>	1.0 Category A (Social Science, Interdisciplinary and Multidisciplinary, Various)	
	1.0 Category B (Arts & Humanities and Languages)	
	1.0 Category C (Science)	
<b>Courses</b>	No more than 7.0 Year 1 courses, 13.0 minimum senior level	
<b>BSc degree</b>	4 year: 11.0 Science/BMSc courses (14.0 maximum in one subject area)*	
<b>Averages</b>	60% cumulative average in any additional Module taken	
	60% cumulative average on 20.0 courses successfully completed	

\***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.

# Specialization In Geology and Biology

## 10.0 Module Courses

### **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)

#### *Points to Consider:*

- 3.0 principal courses, with no mark less than 60%, are listed above

### **Year 2:** 5.0 Courses

- **3.0 courses:** Earth Sciences 2200A/B, 2206A/B, 2250Y, 2260A/B, 2265A/B, 2266F/G
- **2.0 elective courses**

#### *Points to Consider:*

- Earth Science 2250Y students must register prior to the Sept 'add' deadline

### **Year 3:** 5.0 Courses

- **0.5 course:** Earth Sciences 3314A/B
- **0.5 course:** Biochemistry 2280A
- **2.5 courses:** Biology 2290F/G, 2382A/B, 2483A/B, 2581B, 2601A/B
- **1.5 elective courses**

### **Year 4:** 5.0 Courses

- **1.5 courses** from: Earth Sciences 2240F/G, 2241A/B, 3340A/B, 3369A/B, 4400A/B, 4460A/B, 4461A/B, 4462A/B
- **0.5 course** from: Chemistry 2213A/B or Earth Sciences 2230A/B
- **1.5 courses** from: Biology 2244A/B, 2471A/B, 3404F/G, 3484A/B. Note: Biology 2244A/B is recommended.
- **1.5 elective courses**

#### *Points to Consider:*

- 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.