

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. SP	14a. elective	19a. elective
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 Geophysics

## 9.5 Module Courses

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

- **1.0 course** from: Calculus 1000A/B, 1500A/B; and one of Calculus 1301A/B, 1501A/B, Applied Math 1413
- **1.0 course** from: (Physics 1301A/B or 1501A/B) and (Physics 1302A/B or 1502A/B)
- **1.0 course** from: Earth Science 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1024A/B, 1301A/B, 1302A/B, Math 1600A/B
- **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 a 60%, are listed above.
- At least a 0.5 course in Earth Sciences is recommended in first year.
- If not taken in first year, Math 1600A/B must be completed before the beginning of third year

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

- **2.0 courses:** Earth Sciences 2200A/B, 2220A/B, 2222A/B, 2250Y
- **1.0 course** from: Calculus 2502A/B and 2503A/B or Calculus 2302A/B and 2303A/B
- **0.5 course** from: Earth Sciences 2201A/B, 2206A/B
- **1.5 elective courses**

#### *Points to Consider:*

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

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

- **1.0 course:** Physics 2110A/B and 2910F/G
- **0.5 course** from: Applied Math 3815A/B, Stats 2141A/B, 2143A/B
- **0.5 course:** Applied Math 2402A
- **1.0 additional course** in Earth Sciences at the 3000 level or above.
- **2.0 elective courses**

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

- **0.5 course** from: Earth Sciences 4423A/B, 4425A/B
- **2.5 courses** from: Earth Sciences 3320A/B, 3321A/B, 3323A/B, 4420A/B, 4421A/B, 4424A/B, 4451Z
- **2.0 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.