

# Degree Planning and Checklist WORKSHEET

YEAR 1		Minor*	
1a. Principal	6a. minor	11a.	16a.
1b. Principal	6b. minor	11b.	16b.
2a.	7a. minor	12a.	17a.
2b.	7b. minor	12b.	17b.
3a.	8a. minor	13a.	18a.
3b.	8b. minor	13b.	18b.
4a.	9a. minor	14a.	19a.
4b.	9b. minor	14b.	19b.
5a. Cat A or B	10a.	15a.	20a.
5b. Cat A or B	10b.	15b.	20b.
<p><b>*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)</b></p> <p><b>Module and Graduation Planning</b></p>			
First Year	5.0 courses numbered 1000-1999, including 1.0 from Category A or B		
	No principle courses less than 60%		
Module Courses	4.0 courses specified by Department.		
	60% cumulative average in minor 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)* 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		

**Common Course Policy:** Occurs if you are in completing two modules with common courses. You are allowed to double count 1.0 credits toward both modules. Any remaining common courses are completed by distributing between the two modules as evenly as possible.

**\*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.

REFER TO THE OFFICIAL ACADEMIC CALENDAR ONLINE - [WWW.WESTERNCALNDAR.UWO.CA](http://WWW.WESTERNCALNDAR.UWO.CA)

(October 2014)

## Minor In Mathematical and Numerical Methods

4.0 Module Courses

### **Admission Requirements:** (1.0 Principal Course)

- **0.5 course** from: Calculus 1000A/B, 1500A/B
- **0.5 course** from: Calculus 1501A/B or Calculus 1301A/B

#### *Points to Consider:*

- Calculus, with no mark less than a 60%, is the 1.0 principal course.
- Applied Math 1413 may be substituted for 1.0 Calculus course requirement.
- Math 1600A/B or Applied Math 1411A/B with a minimum mark of 60% is normally taken in year 1. If not taken in year 1, it must be taken in first term in year 2.

### **Year 2:**

- **0.5 course:** Applied Math 2814F/G (or former 2813B)
- **0.5 course** from: Calculus 2302A/B or 2502A/B
- **0.5 course** from: Calculus 2303A/B or 2503A/B

### **Year 3:**

- **0.5 course:** Applied Math 2402A
- **1.0 course** from: EITHER Stats 2141A/B and 0.5 course at the 2100 level or above in Applied Math, Math, or Stats and Actuarial Science OR Stats 2858A/B

### **Year 4:**

- **0.5 course:** Applied Math 3911F/G
- **0.5 course:** Applied Math 3815A/B

### **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. The courses listed are based on the current course offerings.)