### Module and Graduation Planning

#### First Year
- 5.0 courses numbered 1000-1999, including 1.0 from Category A or B
- No principle courses less than 60%

#### Module Courses
- 6.0 courses specified by Department.
- 60% cumulative average in major 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

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**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.WESTERNCALENDAR.UWO.CA](http://WWW.WESTERNCALENDAR.UWO.CA)
# Major In Theoretical Physics

## 6.0 Module Courses

### Year 1: 5.0 Courses (2.0 Principal Courses)
- **0.5 course** from: Calculus 1000A/B, 1500A/B
- **0.5 course** from: Calculus 1501A/B or Calculus 1301A/B
- **1.0 course**: Either Physics 1301A/B, Physics 1401A/B or Physics 1501A/B and either Physics 1302A/B, 1402A/B or1502A/B with an average mark of at least 60% in the two half courses
- **3.0 elective courses** (Must do 1.0 of Category A or B requirement)

### Points to Consider:
- Calculus and Physics, with no mark less than a 60%, are the 2.0 principal courses.
- 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
- This module must be taken in conjunction with a Minor or Major in Applied Math; a Major in Applied Math is suggested. The Major in Theoretical Physics cannot normally be completed in 3 years

### Year 2: 5.0 Courses
- **2.0 courses**: Physics 2101A/B, 2102A/B; Physics 2110A/B and 2910F/G
- **3.0 elective courses**

### Year 3: 5.0 Courses
- **0.5 course**: Applied Math 3151A/B
- **1.5 courses**: Physics 3200A/B, 3300A/B, 3400A/B
- **3.0 elective courses**

### Year 4: 5.0 Courses
- **0.5 course**: Applied Math 4251A
- **1.5 courses** from: Applied Math 4151A/B, 4253B*, 4351A, 4353B, 4551A/B, 4602A/B
- **3.0 elective courses**

**Points to Consider:**
- * May be offered only in odd-numbered academic years, starting September 2005.

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

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**REFER TO THE OFFICIAL ACADEMIC CALENDAR ONLINE - WWW.WESTERNCALENDAR.UWO.CA**

(October 2014)