## Degree Planning and Checklist WORKSHEET

**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.

**Module and Graduation Planning**

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>Minor*</th>
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<tbody>
<tr>
<td>1a.</td>
<td>6a. minor</td>
</tr>
<tr>
<td>1b.</td>
<td>6b. minor</td>
</tr>
<tr>
<td>2a.</td>
<td>7a.</td>
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<tr>
<td>2b.</td>
<td>7b.</td>
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<tr>
<td>3a.</td>
<td>8a.</td>
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<tr>
<td>3b.</td>
<td>8b.</td>
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<tr>
<td>4a.</td>
<td>9a.</td>
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<tr>
<td>4b.</td>
<td>9b.</td>
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<tr>
<td>5a. Cat A or B</td>
<td>10a.</td>
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<tr>
<td>5b. Cat A or B</td>
<td>10b.</td>
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</tbody>
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*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)*

- 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

Refer to the official academic calendar online - [WWW.WESTERNCALENDAR.UWO.CA](http://WWW.WESTERNCALENDAR.UWO.CA)
## Minor in Advanced Physics
### 4.0 Module Courses

### Admission Requirements:
- Available only to those students who will complete an Honors Specialization or Specialization in Physics, Astrophysics, or Medical Physics

### Year 2: 5.0 Courses
- **1.0 course** from: Group B: Courses Involving Applied Mathematics and Computer Science
  - Computer Science 2101A/B, 3101A/B, 3320A/B

### Year 3: 5.0 Courses
- **1.0 course** from: Group A: Courses Involving Applied and Theoretical Physics
  - Any Physics or Astronomy course numbered 3000 or higher
  - Applied Math 3129A/B, 4129A/B, 4151A/B, 4253B, 4353B

### Year 4: 5.0 Courses
- **1.0 course**: Physics 4999E
- **1.0 course** from: Group A or Group B

### Points to Consider:
- If any of these courses are taken as part of an Honors Specialization or Specialization in Physics, Astrophysics, or Medical Physics, alternative courses must be selected from Group A
- This module, together with an Honors Specialization in Physics, Astrophysics, or Medical Physics is recommended for students considering graduate studies in one of these fields
- The above course may have prerequisites that are not included in the module
- 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.