# 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>
</tr>
</thead>
<tbody>
<tr>
<td>1a. Principal</td>
<td>6a. minor</td>
</tr>
<tr>
<td>1b. Principal</td>
<td>6b. minor</td>
</tr>
<tr>
<td>2a.</td>
<td>7a. minor</td>
</tr>
<tr>
<td>2b.</td>
<td>7b. minor</td>
</tr>
<tr>
<td>3a.</td>
<td>8a. minor</td>
</tr>
<tr>
<td>3b.</td>
<td>8b. minor</td>
</tr>
<tr>
<td>4a.</td>
<td>9a. minor</td>
</tr>
<tr>
<td>4b.</td>
<td>9b. minor</td>
</tr>
<tr>
<td>5a. Cat A or B</td>
<td>10a.</td>
</tr>
<tr>
<td>5b. Cat A or B</td>
<td>10b.</td>
</tr>
</tbody>
</table>

*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 principal 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

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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.
- 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.

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### Minor In Mathematics

<table>
<thead>
<tr>
<th>4.0 Module Courses</th>
</tr>
</thead>
</table>

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

- **0.5 course** from: Calculus 1000A/B, 1500A/B
- **0.5 course** from: (Calculus 1501A/B is recommended) or (Calculus 1301A/B with a mark of at least 85%).

#### Points to Consider:

- Calculus, with no mark less than 60%, is the 1.0 principal course.
- Math 1600A/B and Math 1120A/B are recommended.
- Students with a complete first year that does not meet the above requirements may be admitted after a second-year half-course in Calculus with a mark of at least 60%.

#### Year 2:

- **0.5 course** from: Math 2120A/B or 2211A/B
- **0.5 course** from: Calculus 2302A/B, 2402A/B, or 2502A/B
- **0.5 course** from: Calculus 2303A/B, 2503A/B, Math 2122A/B, 2124A/B, 2155F/G, 3020A/B, 3121A/B, 3150A/B, or 3157A/B

#### Year 3:

- **1.0 course** from 2.5 additional courses from: Computer Science 3331A/B, 3340A/B, Earth Science 2222A/B, Economics 2122A/B, 2123A/B, 2141A/B, 2142A/B, 2210A/B, 2222A/B, 2223A/B, 3310A/B, Philosophy 2250, 2251F/G, 2252W/X, 2254A/B, 3201A/B, 3202B, 4201A/B, 4202A/B, any Actuarial Science, Applied Math, Computer Science, Math, or Stats course at the 2000 level or above. Note that some of these courses have prerequisites that are not a part of the module.

#### Year 4:

- **1.5 courses** from 2.5 additional courses (not already taken) from: Computer Science 3331A/B, 3340A/B, Earth Science 2222A/B, Economics 2122A/B, 2123A/B, 2141A/B, 2142A/B, 2210A/B, 2222A/B, 2223A/B, 3310A/B, Philosophy 2250, 2251F/G, 2252W/X, 2254A/B, 3201A/B, 3202B, 4201A/B, 4202A/B, any Actuarial Science, Applied Math, Computer Science, Math, or Stats course at the 2000 level or above. Note that some of these courses have prerequisites that are not a part of the module.

#### Points to Consider:

- See back page for important information.

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