# Degree Planning and Checklist WORKSHEET

## YEAR 1

<table>
<thead>
<tr>
<th></th>
<th>Specialization (YEARS 2-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a.</td>
<td>Principal</td>
</tr>
<tr>
<td>1b.</td>
<td>Principal</td>
</tr>
<tr>
<td>2a.</td>
<td>Principal</td>
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<td>2b.</td>
<td>Principal</td>
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<tr>
<td>3a.</td>
<td>Principal</td>
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<tr>
<td>3b.</td>
<td>Principal</td>
</tr>
<tr>
<td>4a.</td>
<td>elective</td>
</tr>
<tr>
<td>4b.</td>
<td>elective</td>
</tr>
<tr>
<td>5a.</td>
<td>Cat A or B</td>
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<tr>
<td>5b.</td>
<td>Cat A or B</td>
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## Module and Graduation Planning

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

- **Module Courses**: 9.0 courses (or more depending on module) specified by Department.
  - 60% cumulative average in specialization 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)*

- **Averages**: 60% cumulative average in any additional Module taken
  - 60% cumulative average on 20.0 courses successfully completed

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*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 Computer Science

#### 9.0 Module Courses

**Year 1:** 5.0 Courses (2.0 Principal Courses)

- 0.5 course from: Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B
- 0.5 course from: Computer Science 1027A/B or 1037A/B (in either case with a mark of at least 65%)
- 1.0 course from: Applied Math 1201A/B or 1413, Calculus 1000A/B, 1301A/B, 1500A/B or 1501A/B, Math 1600A/B
- 3.0 elective courses (Must do 1.0 of Category A or B requirement)

**Points to Consider:**
- Computer Science and Math, with no mark less than a 60%, are included in the 2.0 principal courses.
- The Specialization in Computer Science leads to a Computer Science degree that is accredited by the Computer Science Accreditation Council, the academic arm of the Canadian Information Processing Society. This specialization, in combination with the department’s Minor in Software Engineering, leads to a degree that is accredited by CSAC as a Software Engineering degree.

**Year 2:** 5.0 Courses

- 2.5 courses: Computer Science 2208A/B, 2209A/B, 2210A/B, 2211A/B, 2212A/B/Y
- 0.5 course from: Computer Science 2214A/B or Math 2155F/G
- 2.0 elective courses

**Year 3:** 5.0 Courses

- 2.0 courses: Computer Science 3305A/B, 3307A/B/Y, 3331A/B, 3342A/B
- 0.5 course from: Writing 2101F/G, 2111F/G, 2125F/G, 2131F/G - could be done in 2nd year.
- 0.5 additional course from: Math 2156A/B, 3159A/B, Science 3377A/B, Computer Science course at 3000 level or above.
- 2.0 elective courses

**Year 4:** 5.0 Courses

- 0.5 course: Computer Science 3350A/B
- 1.5 additional course in Computer Science at the 4000 level
- 0.5 additional course from: Math 2156A/B, 3159A/B, Science 3377A/B, Computer Science course at 3000 level or above.
- 0.5 course from: Stats 2141A/B, 2244A/B, 2857A/B, 2657A, Biology 2244A/B
- 2.0 elective courses

**Please Note This Important Point:**
- Students completing this Specialization must include at least 5.0 courses offered by departments other than Computer Science, Applied Math, Math, and Stats and Actuarial Sciences in order to graduate.

**Points to Consider:**
- See back page for important information.

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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.