**Degree Planning and Checklist WORKSHEET**

**YEAR 1** | **Specialization (YEARS 2-4)**
--- | ---
1a. Principal | 6a. SP
1b. Principal | 6b. SP
2a. Principal | 7a. SP
2b. Principal | 7b. SP
3a. Principal | 8a. SP
3b. Principal | 8b. SP
4a. elective | 9a. SP
4b. elective | 9b. elective
5a. Cat A or B | 10a. elective
5b. Cat A or B | 10b. elective

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11a. SP | 16a. SP
11b. SP | 16b. elective
12a. SP | 17a. elective
12b. SP | 17b. elective
13a. SP | 18a. elective
13b. SP | 18b. elective
14a. SP | 19a. elective
14b. SP | 19b. elective
15a. SP | 20a. elective
15b. SP | 20b. elective

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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 Biology
- 60% cumulative average in specialization module.

**Essay**
- 2.0 E, F, G, Z 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.*

REFER TO THE OFFICIAL ACADEMIC CALENDAR ONLINE - [WWW.WESTERNCALENDAR.UWO.CA](http://WWW.WESTERNCALENDAR.UWO.CA) (August 2016)
### Specialization In Biology

#### 9.0 Module Courses

<table>
<thead>
<tr>
<th>Year 1:</th>
<th>5.0 Courses (3.0 Principal Courses)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Biology 1001A or 1201A and Biology 1002B or 1202B</td>
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<tr>
<td></td>
<td>Chemistry 1301A/B and 1302A/B</td>
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<td></td>
<td><strong>0.5 course</strong> from: Physics 1028A/B, 1301A/B or 1501A/B</td>
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<td></td>
<td><strong>1.0 course</strong> from: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Math 1225A/B, 1228A/B, 1229A/B or 1600A/B, Stats 1024A/B, Applied Math 1201A/B. MATH 1225A/B can only be taken before AM 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B.</td>
</tr>
<tr>
<td></td>
<td><strong>1.5 elective courses</strong> (Must do 1.0 of Category A or B requirement)</td>
</tr>
</tbody>
</table>

#### Points to Consider:
- Biology (minimum mark of 60%), Chemistry, and 1.0 course of your choosing are the principal courses.
- If math requirement is not completed in first year, it must be completed by the end of second year.

<table>
<thead>
<tr>
<th>Year 2:</th>
<th>5.0 Courses</th>
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<tbody>
<tr>
<td></td>
<td><strong>2.5 courses</strong>: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581A/B</td>
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<tr>
<td></td>
<td><strong>0.5 course</strong>: Chemistry 2213A/B</td>
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<tr>
<td></td>
<td><strong>0.5 course</strong> from: Biology 2244A/B, Stats 2244A/B</td>
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<tr>
<td></td>
<td><strong>1.5 elective course</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3/Year 4:</th>
<th>10.0 Courses</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>0.5 course</strong>: Biology 2601A/B. Prerequisites need to be checked in order to take this course in the correct year</td>
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<tr>
<td></td>
<td>★ <strong>5.0 courses</strong> at the 2200 level or above*, chosen from the Department of Biology and Basic Medical Sciences disciplines, of which at least 4.0 courses must be chosen from the Department of Biology. A maximum of 1.0 course may be at the 2200-2999 level and at least 1.5 of these courses must have a lab component.</td>
</tr>
<tr>
<td></td>
<td>★ <strong>4.5 elective courses</strong></td>
</tr>
</tbody>
</table>

#### Points to Consider:
- Pharmacology 2060A/B may be taken to satisfy this requirement. Courses in History of Science are not included.
- These courses can be taken in 3rd and/or 4th year.
- 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.