4 Year Double MAJOR IN BIOLOGY (Honors)
20.0 Credits
This form is a guide only. Students are responsible to meet all requirements.
For complete information and UPDATES see the Academic Calendar

### Year 1 (5.0 Courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 1001A or 1201A</td>
<td>or Biology 1002B or 1202B.</td>
</tr>
<tr>
<td>Chemistry 1301A/B and 1302A</td>
<td></td>
</tr>
</tbody>
</table>

1.0 course from: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B or 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B or the former Calculus 1100A/B or 1201A/B, Linear Algebra 1600A/B. If not completed in first year, the Mathematics requirement must be completed by the end of second year.

0.5 course from: Physics 1028A/B, 1301A/B or 1501A/B.

1.0 - 1.5 options

**NOTE:** 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty (not Science)

### Admission to Biology Major Module:
Complete first year (5.0 courses) including:
- Biology 1001A or 1201A and Biology 1002B or 1202B with a minimum of 60%.
- Chemistry 1301A/B and 1302A/B
- Check other module for admission requirements.

### MODULE (6.0 Courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 courses: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581B.</td>
<td></td>
</tr>
<tr>
<td>0.5 course: Chemistry 2213A/B</td>
<td></td>
</tr>
<tr>
<td>0.5 course: from Biology 2601A/B</td>
<td></td>
</tr>
<tr>
<td>0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.</td>
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</tr>
</tbody>
</table>

2.0 courses at the 2200 level or above,
- 1.5 from Biology course listings
- 0.5 May be from Biology or the Basic Medical Sciences.

Pharmacology 2060A/B may be used in this module.

**Physiology 2130 may be used as the physiology requirement but not used in the 6.0 courses.**

### Graduation Requirements

#### Breadth Requirement:
- 1.0 course from each of the three categories A, B and C. Please see Academic Calendar for selections.

#### Essay Requirement:
- 2.0 essays at UWO (1.0 must be senior level course)

#### Senior Courses:
- 13.0 senior courses (numbered 2000-4999) only 7.0 1st year courses will count towards your degree.

#### Lab Course Requirement:
- For this module there is no lab requirement.

#### Average Requirements:
- minimum overall average of 65% on the 20.0 courses
- Cumulative average of at least 70% on each module.

#### Residency Requirement:
- Majority of courses in module must be completed through UWO

*Note: To graduate with a BSc, you must have a total of at least 11.0 SCIENCE courses.*

### Department Recommendation for the order in which certain courses should be taken:

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochem 2280A</td>
<td>Bio 2290F/G</td>
</tr>
<tr>
<td>Bio 2483A/B</td>
<td>Bio 2581B</td>
</tr>
<tr>
<td>Chem 2213A/B</td>
<td>Bio 2382A/B</td>
</tr>
<tr>
<td>option</td>
<td>option</td>
</tr>
<tr>
<td>1.0 option</td>
<td></td>
</tr>
</tbody>
</table>

#### Third Year & Fourth Year:

Completion of courses for the Biology module and if combining with another module those necessary credits.

Academic counselling is available through the Biology department or the Faculty of Science.

www.uwo.ca/biology