

# 4 Year MAJOR IN BIOLOGY

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)	Graduation Requirements									
Biology 1001A and 1002B or the former Biology 1201A and 1202B.	<p><b>Breadth Requirement:</b></p> <ul style="list-style-type: none"> <li>1.0 course from each of the three categories A, B and C. Please see Academic Calendar for selections.</li> </ul> <p><b>Essay Requirement:</b></p> <ul style="list-style-type: none"> <li>2.0 essays at UWO (1.0 must be senior level course)</li> </ul> <p><b>Senior Courses:</b></p> <ul style="list-style-type: none"> <li>13.0 senior courses (numbered 2000-4999). 7.0 1<sup>st</sup> year courses will count towards a degree.</li> </ul> <p><b>Lab Course Requirement:</b></p> <ul style="list-style-type: none"> <li><b>There is no lab requirement.</b></li> </ul> <p><b>Average Requirements:</b></p> <ul style="list-style-type: none"> <li>minimum overall average of 60% on the 20.0 courses</li> <li>Cumulative average of 60% on module.</li> </ul> <p><b>Residency Requirement:</b></p> <ul style="list-style-type: none"> <li>Majority of courses in module must be completed through UWO</li> </ul> <p><b>**NEW: To graduate with a BSc., you must have a total of at least 10.0 courses from the Faculty of SCIENCE</b></p>									
Chemistry 1301A and 1302B.										
1.0 course from: <a href="#">Calculus 1000A/B</a> or <a href="#">Calculus 1500A/B</a> , <a href="#">Calculus 1301A/B</a> or <a href="#">Calculus 1501A/B</a> , <a href="#">Mathematics 1225A/B</a> , <a href="#">Mathematics 1228A/B</a> , <a href="#">Mathematics 1229A/B</a> or <a href="#">Mathematics 1600A/B</a> , <a href="#">Data Science 1000A/B</a> , <a href="#">Applied Mathematics 1201A/B</a> , <a href="#">Numerical and Mathematical Methods 1411A/B</a> , <a href="#">Numerical and Mathematical Methods 1412A/B</a> , <a href="#">Numerical and Mathematical Methods 1414A/B</a> ; If not completed in first year, the Mathematics requirement must be completed by the end of second year.										
0.5 course from: <a href="#">Physics 1201A/B</a> , <a href="#">Physics 1401A/B</a> , <a href="#">Physics 1501A/B</a> Note: <a href="#">Physics 1101A/B</a> with a minimum mark of 65% can be used to replace <a href="#">Physics 1201A/B</a> .										
1.0 -1.5 options										
<b>NOTE:</b> 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty that is not Science.										
<b>Admission to Biology Major Module:</b> Complete first year (5.0 courses) including: <ul style="list-style-type: none"> <li><a href="#">Biology 1001A</a> and 1002B with a minimum grade of 60%.</li> <li>Chemistry 1301A/B and 1302A/B</li> </ul>										
<b>MODULE (6.0 Courses)</b>										
2.5 courses: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B , 2581A/B.										
0.5 course: Chemistry 2213A/B										
0.5 course: from Biology 2601A/B.*										
0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.										
2.0 courses at the 2200 level or above										
<p style="text-align: center;"><b>1.5 from Biology listings</b> <b>0.5 May be from Biology or the Basic Medical Sciences.</b></p> <p>*<a href="#">Physiology 2130</a> or <a href="#">Physiology and Pharmacology 2000</a> can be taken instead of <a href="#">Biology 2601A/B</a> to satisfy the physiology requirement for the module. However, students must make up the 0.5 course represented by <a href="#">Biology 2601A/B</a> with an alternate Biology course from the 2200 level or above.</p>										
<b>Department Recommendation for the order in which certain courses should be taken:</b>										
<b>Can be spread over 2<sup>nd</sup> &amp; 3<sup>rd</sup> years</b>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Biochem 2280A</td> <td style="width: 50%;">Bio 2290F/G</td> </tr> <tr> <td>Bio 2483A/B</td> <td>Bio 2581A/B</td> </tr> <tr> <td>Chem 2213A/B</td> <td>Bio 2382A/B</td> </tr> <tr> <td>Bio 2601A/B</td> <td>Bio 2244A/B</td> </tr> <tr> <td colspan="2">1.0 option</td> </tr> </table>	Biochem 2280A	Bio 2290F/G	Bio 2483A/B	Bio 2581A/B	Chem 2213A/B	Bio 2382A/B	Bio 2601A/B	Bio 2244A/B	1.0 option	
Biochem 2280A	Bio 2290F/G									
Bio 2483A/B	Bio 2581A/B									
Chem 2213A/B	Bio 2382A/B									
Bio 2601A/B	Bio 2244A/B									
1.0 option										
<b>Progression Requirements</b> <b>Minimum Cumulative modular average of 60%, and overall average for the degree of 60% for a General 4 year Major.</b> Academic counselling is available through the Biology department or the Faculty of Science. <a href="http://www.uwo.ca/biology">www.uwo.ca/biology</a>	<p><b>Third Year &amp; Fourth Year:</b> Completion of courses for the Biology module and if combining with another module those necessary credits.</p>									