

# HONORS SPECIALIZATION 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												
<p><a href="#">Biology 1001A</a> and Biology 1002B minimum of 60% in each credit</p>	<p><b>Breadth Requirement:</b></p>												
<p>Chemistry 1301A and 1302B. Minimum 60% in each credit.</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>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>, Data Science 1000A/B, <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 and/or physics requirement must be completed by the end of second year.</p>	<p><b>Essay Requirement:</b></p>												
<p>0.5 course from: <a href="#">Physics 1201A/B</a>, <a href="#">Physics 1401A/B</a>, <a href="#">Physics 1501A/B</a>; the former Physics 1028A/B, the former Physics 1301A/B. Note: <a href="#">Physics 1101A/B</a> with a minimum mark of 65% can be used to replace <a href="#">Physics 1201A/B</a>.</p>	<ul style="list-style-type: none"> <li>2.0 essays at UWO (1.0 must be senior level course)</li> </ul>												
<p>1.0 -1.5 options</p>	<p><b>Senior Courses:</b></p>												
<p><b>NOTE:</b> 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty</p>	<ul style="list-style-type: none"> <li>13.0 senior courses (numbered 2000-4999)</li> </ul>												
<p><b>Admission to Honors Specialization Module:</b> Complete first year (5.0 courses) including:</p> <ul style="list-style-type: none"> <li><a href="#">Biology 1001A/B</a> and 1002A/B with a minimum of 60%.</li> <li><a href="#">Chemistry 1301A/B</a> and <a href="#">1302A/B</a> with a minimum of 60%.</li> <li>1.0 option with an overall average in the 3.0 principal courses.</li> </ul>	<p><b>Lab Course Requirement:</b></p>												
<p><b>MODULE (10.0 Courses)</b></p>	<ul style="list-style-type: none"> <li><b>***at least 1.5 Biology courses with labs from the list of 4.0 courses.</b> (not including Bio 2290F/G, 2244A/B)</li> </ul>												
<p><b>2.5 courses:</b> Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581A/B.</p>	<p><b>Average Requirements:</b></p>												
<p><b>0.5 course:</b> Chemistry 2213A/B</p>	<ul style="list-style-type: none"> <li>minimum overall average of 65% on the 20.0 courses</li> <li>Cumulative average of 70% on module and no module mark under 60%.</li> </ul>												
<p><b>0.5 course:</b> from Biology 2601A/B</p>	<p><b>Residency Requirement:</b></p>												
<p><b>0.5 course</b> from: Biology 2244A/B, Statistical Sciences 2244A/B.</p>	<ul style="list-style-type: none"> <li>Majority of courses in the module must be completed through Western</li> <li>ALL 2<sup>nd</sup> year required courses should be completed by end of third year.</li> </ul>												
<p><b>4.0 courses</b> at the 2200 level or above, chosen from the Biology and Medical Science departments, of which at least <b>3.0 courses must</b> be chosen from the Department of Biology. <b>***1.5 labs are required from the above.</b></p>	<p><b>Department Recommendation for the order in which certain courses should be taken:</b></p>												
<p><b>2.0</b> From the 4<sup>th</sup> year Biology courses. Of this 0.5 must be from one of the seminar credits. Students completing Bio 4999E need not take a seminar, any other 4<sup>th</sup> year Biology course will satisfy the seminar requirement.</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">Second Year</th> </tr> </thead> <tbody> <tr> <td>Biochem 2280A</td> <td>Bio 2290F/G</td> </tr> <tr> <td>Bio 2483A/B</td> <td>Bio 2581A/B</td> </tr> <tr> <td>Bio 2601A/B</td> <td>Bio 2382A/B</td> </tr> <tr> <td>Chem 2213A/B</td> <td>Bio 2244A/B</td> </tr> <tr> <td colspan="2">1.0 option course</td> </tr> </tbody> </table>	Second Year		Biochem 2280A	Bio 2290F/G	Bio 2483A/B	Bio 2581A/B	Bio 2601A/B	Bio 2382A/B	Chem 2213A/B	Bio 2244A/B	1.0 option course	
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<p><b>Progression Requirements</b> <b>Minimum Cumulative modular average of 70%, and overall average for the degree of 65%.</b> <b>Passing grade in each option.</b></p> <p>A maximum of 1.0 course may be at the 2200 -2999 level. Physiology 2130 is not appropriate.</p>	<p><b>Third Year &amp; Fourth Year:</b> Completion of courses for the Biology module. Check the desired 4<sup>th</sup> year courses and ensure that you have taken the required prerequisites. The Thesis course is an option, it is not required.</p>												
<p><a href="http://www.uwo.ca/biology">www.uwo.ca/biology</a> Updated March 2026</p>													