

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>Biology 1001A or 1201A and Biology 1002B or 1202B.</p> <p>Chemistry 1301A and 1302B.</p> <p>1.0 course from: Calculus 1000A/B or Calculus 1500A/B, Calculus 1301A/B or Calculus 1501A/B, Mathematics 1225A/B, Mathematics 1228A/B, Mathematics 1229A/B or Mathematics 1600A/B, Applied Mathematics 1201A/B, Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B; If not completed in first year, the Mathematics requirement must be completed by the end of second year.</p> <p>0.5 course from: Physics 1201A/B, Physics 1401A/B, Physics 1501A/B; the former Physics 1028A/B, the former Physics 1301A/B.</p> <p>1.0 -1.5 options</p> <p>NOTE: 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty</p> <p>Admission to Honors Specialization Module: Complete first year (5.0 courses) including:</p> <ul style="list-style-type: none"> • Biology 1001A or 1201A and Biology 1002B or 1202B with a minimum of 60%. • Chemistry 1301A/B and 1302A/B with a minimum of 60%. • 1.0 option with an overall average in the 3.0 principal courses. 	<p>Breadth Requirement:</p> <ul style="list-style-type: none"> • 1.0 course from each of the three categories A, B and C. Please see Academic Calendar for selections. <p>Essay Requirement:</p> <ul style="list-style-type: none"> • 2.0 essays at UWO (1.0 must be senior level course) <p>Senior Courses:</p> <ul style="list-style-type: none"> • 13.0 senior courses (numbered 2000-4999) <p>Lab Course Requirement:</p> <ul style="list-style-type: none"> • ***at least 1.5 Biology courses with labs from the list of 5.0 courses. (not including Bio 2290F/G, 2601A/B) <p>Average Requirements:</p> <ul style="list-style-type: none"> • minimum overall average of 65% on the 20.0 courses • Cumulative average of 70% on module. <p>Residency Requirement:</p> <ul style="list-style-type: none"> • Majority of courses in module must be completed through UWO <p>*Note: To graduate with a BSc, you must have a total of at least 11.0 SCIENCE courses</p>												
MODULE (10.0 Courses)	Department Recommendation for the order in which certain courses should be taken:												
<p>2.5 courses: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581A/B.</p> <p>0.5 course: Chemistry 2213A/B</p> <p>0.5 course: from Biology 2601A/B</p> <p>0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.</p> <p>4.0 courses at the 2200 level or above, chosen from the Biology and Medical Science departments, of which at least 3.0 courses must be chosen from the Department of Biology. ***1.5 labs are required from the above.</p> <p>2.0 From the 4th 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 4th year Biology course will satisfy the seminar requirement.</p> <p>Progression Requirements Minimum Cumulative modular average of 70%, and overall average for the degree of 65%. Passing grade in each option.</p> <p>A maximum of 1.0 course may be at the 2200 -2999 level. Note: Pharmacology 2060A/B may be used in this module. Physiology 2130 is not appropriate.</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #d3d3d3;"> <th colspan="2" style="text-align: center;">Second Year</th> </tr> </thead> <tbody> <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>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> <p>Third Year & Fourth Year: Completion of courses for the Biology module. Check the desired 4th year courses and ensure that you have taken the required prerequisites. The Thesis course is an option, it is not required.</p>	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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Biochem 2280A	Bio 2290F/G												
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<p>www.uwo.ca/biology Updated September 2021</p>													