

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, Data Science 1000A/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;</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 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 1100A/B and 1200B • 1.0 option 	<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 60% on the 20.0 courses • Cumulative average of at least 60% 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 (9.0 Courses)													
<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>5.0 courses at the 2200 level or above, chosen from the Biology and Medical Science departments, of which at least 4.0 courses must be chosen from the Department of Biology. ***1.5 labs are required from the above.</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> <p>Progression Requirements Minimum Cumulative modular average of 60%, and overall average for the degree of 60%. Passing grade in each option.</p> <p>Biology Core Courses should be completed by the end of year 3. Check prerequisites for 3000 level courses of interest so prerequisites are met prior to registering for the courses.</p>	<p style="text-align: center;">Department Recommendation for the order in which certain courses should be taken:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">Second Year</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Biochem 2280A</td> <td style="padding: 2px;">Bio 2290F/G</td> </tr> <tr> <td style="padding: 2px;">Bio 2483A/B</td> <td style="padding: 2px;">Bio 2581B</td> </tr> <tr> <td style="padding: 2px;">Bio 2601A</td> <td style="padding: 2px;">Bio 2382A/B</td> </tr> <tr> <td style="padding: 2px;">Chem 2213A/B</td> <td style="padding: 2px;">Bio 2244A/B (or equiv)</td> </tr> <tr> <td colspan="2" style="padding: 2px;">1.0 option course</td> </tr> </tbody> </table> <p>Third Year & Fourth Year: Completion of courses for the Biology module. If Honors is desired please see the counselling assistant for permission to access 4000 level courses while aiming for the honors designation.</p>	Second Year		Biochem 2280A	Bio 2290F/G	Bio 2483A/B	Bio 2581B	Bio 2601A	Bio 2382A/B	Chem 2213A/B	Bio 2244A/B (or equiv)	1.0 option course	
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<p>www.uwo.ca/biology Updated September 2021</p>													