

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

For complete information and OF DATES see the Academic Calendar		Graduation Requirements											
Year 1 (5.0 Courses)		Breadth Requirement:											
Biology 1001A and Biology 1002B or the former Biology 1201A and 1202B.		<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.											
Chemistry 1301A and 1302B.		Essay Requirement:											
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/and or Physics requirement must be completed by the end of second year .		<ul style="list-style-type: none">2.0 essays at UWO (1.0 must be senior level course)											
0.5 course from: Physics 1201A/B , Physics 1401A/B , Physics 1501A/B ; Note: Physics 1101A/B with a minimum mark of 65% can be used to replace Physics 1201A/B .		Senior Courses:											
1.0 -1.5 options		<ul style="list-style-type: none">13.0 senior courses (numbered 2000-4999)											
NOTE: 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty		Lab Course Requirement:											
<u>Admission to Specialization Module:</u> Complete first year (5.0 courses) including: <ul style="list-style-type: none">Biology 1001A and 1002B or the former Biology 1201A and 1202B with a minimum of 60%.Chemistry 1301A and 1302B.1.0 option		<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)											
		Average Requirements:											
MODULE (9.0 Courses)		<ul style="list-style-type: none">minimum overall average of 60% on the 20.0 coursesCumulative average of at least 60% on module.											
2.5 courses: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581A/B.		Residency Requirement:											
0.5 course: Chemistry 2213A/B		<ul style="list-style-type: none">Majority of courses in module must be completed through UWO											
0.5 course: from Biology 2601A/B		*Note: To graduate with a BSc , you must have a total of at least 11.0 SCIENCE courses											
0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.		<u>Department Recommendation for the order in which certain courses should be taken:</u>											
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.		Second Year											
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.		<table><tr><td>Biochem 2280A</td><td>Bio 2290F/G</td></tr><tr><td>Bio 2483A/B</td><td>Bio 2581B</td></tr><tr><td>Bio 2601A</td><td>Bio 2382A/B</td></tr><tr><td>Chem 2213A/B</td><td>Bio 2244A/B (or equiv)</td></tr><tr><td colspan="2">1.0 option course</td></tr></table>		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	
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													
Progression Requirements Minimum Cumulative modular average of 60%, and overall average for the degree of 60%. Passing grade in each option.		Third Year & Fourth Year: Completion of courses for the Biology module. If Honors is desired please see the advising assistant for permission to access 4000 level courses while aiming for the honors designation.											
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.													
www.uwo.ca/biology Updated May 2025													