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)

Biology 1001A and Biology 1002B -minimum 60% in each credit.

Chemistry 1301A and 1302B.

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.**

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.

1.0 -1.5 options

NOTE: 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty

Admission to Specialization Module:
Complete first year (5.0 courses) including:

- Biology 1001A and 1002B with a minimum of 60%.
- Chemistry 1301A and 1302B.
- 1.0 option

MODULE (9.0 Courses)

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.

5.0 courses at the 2200 level or above, chosen from the Biology, Earth Sciences 3369A/B, 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.**

A maximum of 1.0 course may be at the 2200 -2999 level.

Progression Requirements
Minimum Cumulative modular average of 60%, and overall average for the degree of 60%.
Passing grade in each option.

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 2026.

Graduation Requirements

Breadth Requirement:

- 1.0 course from each of the three categories A, B and C. Please see Academic Calendar for selections.

Essay Requirement:

- 2.0 essays at UWO (1.0 must be senior level course)

Senior Courses:

- 13.0 senior courses (numbered 2000-4999)

Lab Course Requirement:

- ***at least 1.5 Biology courses** with labs from the list of 5.0 courses. (not including Bio 2290F/G, 2601A/B)

Average Requirements:

- minimum overall average of 60% on the 20.0 courses
- Cumulative average of at least 60% on module.

Residency Requirement:

- Majority of courses in module must be completed through UWO

***Note**: To graduate with a **BSc**, you must have a total of at least 10.0 **SCIENCE** courses

Department Recommendation for the order in which certain courses should be taken:

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	

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 white aiming for the honors designation.