

4 Year MAJOR 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 | | | | | | | | | | | |
|---|--|--|---------------|-------------|-------------|-------------|--------------|-------------|-------------|--------|------------|--|
| Biology 1001A or 1201A and Biology 1002B or 1202B . | <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) only 7.0 1st year courses will count towards your degree. <p>Lab Course Requirement:</p> <ul style="list-style-type: none"> There is no lab requirement. <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> | | | | | | | | | | | |
| 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 requirement must be completed by the end of second year. | | | | | | | | | | | | |
| 0.5 course from: Physics 1201A/B , Physics 1401A/B , Physics 1501A/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 | | | | | | | | | | | | |
| <p>Admission to Biology Major 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 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| MODULE (6.0 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. 2.0 courses at the 2200 level or above | | | | | | | | | | | | |
| 1.5 from Biology listings 0.5 May be from Biology or the Basic Medical Sciences. Pharmacology 2060A/B may be used in this module. Physiology 2130 may be used as the physiology requirement, of Bio 2601A but may not be part of the module. Bio 2601A would need an alternate Biology 2200+ level or better. | | | | | | | | | | | | |
| <p style="text-align: center;">Department Recommendation for the order in which certain courses should be taken:</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Second Year</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Biochem 2280A</td> <td style="padding: 5px;">Bio 2290F/G</td> </tr> <tr> <td style="padding: 5px;">Bio 2483A/B</td> <td style="padding: 5px;">Bio 2581A/B</td> </tr> <tr> <td style="padding: 5px;">Chem 2213A/B</td> <td style="padding: 5px;">Bio 2382A/B</td> </tr> <tr> <td style="padding: 5px;">Bio 2601A/B</td> <td style="padding: 5px;">option</td> </tr> <tr> <td colspan="2" style="padding: 5px;">1.0 option</td> </tr> </tbody> </table> | Second Year | | Biochem 2280A | Bio 2290F/G | Bio 2483A/B | Bio 2581A/B | Chem 2213A/B | Bio 2382A/B | Bio 2601A/B | option | 1.0 option | |
| Second Year | | | | | | | | | | | | |
| Biochem 2280A | Bio 2290F/G | | | | | | | | | | | |
| Bio 2483A/B | Bio 2581A/B | | | | | | | | | | | |
| Chem 2213A/B | Bio 2382A/B | | | | | | | | | | | |
| Bio 2601A/B | option | | | | | | | | | | | |
| 1.0 option | | | | | | | | | | | | |
| <p>Progression Requirements Minimum Cumulative modular average of 60%, and overall average for the degree of 60% for a General 4 year Major. Academic counselling is available through the Biology department or the Faculty of Science. www.uwo.ca/biology</p> | <p>Third Year & Fourth Year: Completion of courses for the Biology module and if combining with another module those necessary credits.</p> | | | | | | | | | | | |