

MAJOR IN GENETICS

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 and Biology 1002B with a minimum of 60% in each credit.</p>	<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"> For this module 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>												
<p>Chemistry 1301A/B 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; Note: If not completed in Year 1, the Physics requirement must be completed by the end of Year 2. Note: Physics 1101A/B with a minimum mark of 65% can be used to replace Physics 1201A/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 other than Science.</p>													
<p>Admission to the Genetics Major Module: Complete first year (5.0 courses) including:</p> <ul style="list-style-type: none"> Biology 1001A and Biology 1002B with a minimum mark of 60%. Chemistry 1301A/B and 1302A/B. 1.0 option (highest mark of 3.0 options) 													
<p>MODULE (6.0 Courses)</p>													
<p>2.0 courses: Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2581B.</p>													
<p>0.5 course: Biology 2244A/B or Statistical Sciences 2244A/B.</p>													
<p>0.5 course: Biology 3594A, 3595A, 3597A/B.</p>													
<p>0.5 course from: Biology 3596A/B (a 70% in both Biology 2581B and 2290F/G is required for this course</p>													
<p>1.5 from (not already taken above) from: Biology 3466B, 3592A, 3593B, 3594A, 3595A, 3597A/B.</p>													
<p>1.0 course from: Biology 4289A/B, 4540G, 4560B, 4561F, 4562B. Please check prerequisites for 4000 level courses. This module is intended to be in a 4 year degree.</p>													
<p>Progression Requirements Minimum Cumulative modular average of 60%, and overall average for the degree of 60%. For a Non Honors double Major. Biology 2581B and 2290F/G both need a minimum of 70% to progress to third year. Passing grade in each option.</p> <p>If registered in a double module check for any common credits-All second introductory Stats courses are anti-reqs. If uncertain see the Biology counsellor or an Academic counsellor.</p>													
<p>www.uwo.ca/biology Updated : March 2026.</p>	<p>Department Recommendation for the order in which certain courses should be taken:</p> <table border="1" data-bbox="915 1486 1507 1675"> <thead> <tr> <th colspan="2">Second Year</th> </tr> </thead> <tbody> <tr> <td>Biochem 2280A</td> <td>Bio 2290F/G</td> </tr> <tr> <td>Bio 2244A/B</td> <td>Bio 2581B</td> </tr> <tr> <td></td> <td>Bio 2382B</td> </tr> <tr> <td>option</td> <td></td> </tr> <tr> <td>1.0 option</td> <td></td> </tr> </tbody> </table> <p>Third Year Completion of courses for the Biology module Ensure that the Breadth and Essay requirements are fulfilled.</p> <p>Fourth Year: completion of the 1.0 @ fourth year.</p> <p>Academic counselling is available through the Biology Department or the Faculty of Science.</p>	Second Year		Biochem 2280A	Bio 2290F/G	Bio 2244A/B	Bio 2581B		Bio 2382B	option		1.0 option	
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