

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 or 1201A and Biology 1002B or 1202B.</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 or the former Chemistry 1100A/B and 1200B.</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</p>	
<p><u>Admission to the Genetics Major Module:</u> 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 (highest mark of 3.0 options) 	
MODULE (6.0 Courses)	
<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>	
Department Recommendation for the order in which certain courses should be taken:	
Second Year	
Biochem 2280A	Bio 2290F/G
Bio 2483A	Bio 2581B
Chem 2213A	Bio 2382B
option	Bio 2244A/B

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.

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.

1.0 option

Third Year

Completion of courses for the Biology module
Ensure that the Breadth and Essay requirements are fulfilled.

Fourth Year: completion of the 1.0 @ fourth year.

Academic counselling is available through the Biology Department or the Faculty of Science.

www.uwo.ca/biology Updated : April 2023