

# 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
<a href="#">Biology 1001A</a> or <a href="#">1201A</a> and <a href="#">Biology 1002B</a> or <a href="#">1202B</a> .	<b>Breadth Requirement:</b>
Chemistry <a href="#">1301A/B</a> and <a href="#">1302B</a> or the former <a href="#">Chemistry 1100A/B</a> and <a href="#">1200B</a> .	1.0 course from each of the three categories A, B and C. Please see Academic Calendar for selections.
1.0 course from: <a href="#">Calculus 1000A/B</a> or <a href="#">Calculus 1500A/B</a> , <a href="#">Calculus 1301A/B</a> or <a href="#">Calculus 1501A/B</a> , <a href="#">Mathematics 1225A/B</a> , <a href="#">Mathematics 1228A/B</a> , <a href="#">Mathematics 1229A/B</a> or <a href="#">Mathematics 1600A/B</a> , <a href="#">Data Science 1000A/B</a> , <a href="#">Applied Mathematics 1201A/B</a> , <a href="#">Numerical and Mathematical Methods 1411A/B</a> , <a href="#">Numerical and Mathematical Methods 1412A/B</a> , <a href="#">Numerical and Mathematical Methods 1414A/B</a> ; If not completed in first year, the Mathematics requirement must be completed by the end of second year.	<b>Essay Requirement:</b> 2.0 essays at UWO (1.0 must be senior level course)
0.5 course from: <a href="#">Physics 1201A/B</a> , <a href="#">Physics 1401A/B</a> , <a href="#">Physics 1501A/B</a> ; Note: If not completed in Year 1, the Physics requirement must be completed by the end of Year 2. Note: <a href="#">Physics 1101A/B</a> with a minimum mark of 65% can be used to replace <a href="#">Physics 1201A/B</a> .	<b>Senior Courses:</b> 13.0 senior courses (numbered 2000-4999)
1.0 -1.5 options	<b>Lab Course Requirement:</b> <b>For this module there is no lab requirement.</b>
<b>NOTE:</b> 1.0 option in first year must be chosen from either the Faculty of Arts or one other Faculty	<b>Average Requirements:</b>
<b>Admission to the Genetics Major Module:</b> Complete first year (5.0 courses) including: <a href="#">Biology 1001A</a> or <a href="#">1201A</a> and <a href="#">Biology 1002B</a> or <a href="#">1202B</a> with a minimum of 60%. <a href="#">Chemistry 1100A/B</a> and <a href="#">1200B</a> 1.0 option (highest mark of 3.0 options)	minimum overall average of 60% on the 20.0 courses Cumulative average of at least 60% on module.
	<b>Residency Requirement:</b>
<b>MODULE (6.0 Courses)</b>	Majority of courses in module must be completed through UWO
2.0 courses: Biochemistry 2280A, Biology <b>2290F/G</b> , 2382A/B, <b>2581B</b> .	<b>*Note: To graduate with a BSc, you must have a total of at least 11.0 SCIENCE courses.</b>
0.5 course: Biology 2244A/B or Statistical Sciences 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](http://www.uwo.ca/biology) Updated : April 2023