

HONORS SPECIALIZATION IN GENETICS

(20.0 courses)

This form is a guide only. For complete information and UPDATES see the Academic Calendar

Year 1 (5.0 Courses)		Graduation Requirements															
Biology 1001A and Biology 1002B Chemistry 1301A/B and 1302A/B .		Breadth Requirement: 1.0 course from each of the three categories A, B and C. Please see Academic Calendar for appropriate selections Essay Requirement: 2.0 essays at UWO (1.0 must be senior level course) Senior Courses: 13.0 senior courses (numbered 2000-4999) Maximum of 7.0 first year courses. Average Requirements: - minimum overall average of 65% on the 20.0 courses - cumulative average of at least 70% on module, with no mark in any modular course less than 60% 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															
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 , Statistical Sciences 1024A/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 ; 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 .																	
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																	
<u>Admission to Honors Specialization Module:</u> Complete first year (5.0 courses) including: Minimum average of 70% on 3.0 principal courses with no mark less than 60% in each of: - Biology 1001A and 1002B - Chemistry 1301A/B and 1302B 1.0 option (highest mark of 3.0 options)																	
MODULE (10.0 Courses)		<u>Department Recommendation for the order in which certain courses should be taken:</u> Counselling note: Do check the fourth year courses to complete prerequisites before the end of third year.															
0.5 course: Biochemistry 2280A																	
0.5 course: Chemistry 2213A/B																	
3.0 courses: Biology 2290F/G , 2382A/B, 2483A/B, 2581B, 4583F, 4950F/G.																	
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B. 0.5 course: Biology 2601A/B.																	
0.5 course from: Biology 3596F/G (70% required to progress.)																	
1.0 course from Biology 3466A/B, 3467A/B, 3592A/B, 3598A/B.																	
1.0 Course from: Biology 3593A/B, 3594A/B, 3595A, 3597B, 0.5 from the 3 rd year courses listed above not already taken.																	
2.0 courses from: Biology 4289A/B , Biology 4355F/G , Biology 4510F/G , Biology 4515A/B , Biology 4540F/G , Biology 4560A/B , Biology 4561F/G , Biology 4562A/B , Biology 4563F/G , Biology 4970F/G , Biology 4999E..																	
NOTE: Some 2 nd year courses can be delayed until 3 rd year. Note: **Biology 2581B, 2290F/G, 3596A/B must have a minimum of 70% each. *** NO Exceptions																	
<u>Progression Requirements</u> Minimum cumulative modular average of 70% Minimum mark of 60% in each course in the module** Passing grade in each option		Second Year <table><tr><td>Biochem 2280A</td><td>Bio 2581B</td></tr><tr><td>Bio 2483A/B</td><td>Bio 2382A/B</td></tr><tr><td>Bio 2601A</td><td>Bio 2290F/G</td></tr><tr><td>Chem 2213A/B</td><td>Bio 2244A/B</td></tr></table> Third Year <table><tr><td colspan="2">*Note enrolment in Bio 3596A/B requires 70% in Bio 2581B & 2290F/G</td></tr><tr><td>3000 level courses</td><td>Bio 3596F/G</td></tr><tr><td>Req2nd/3rd year courses</td><td>3000 level courses</td></tr></table>		Biochem 2280A	Bio 2581B	Bio 2483A/B	Bio 2382A/B	Bio 2601A	Bio 2290F/G	Chem 2213A/B	Bio 2244A/B	*Note enrolment in Bio 3596A/B requires 70% in Bio 2581B & 2290F/G		3000 level courses	Bio 3596F/G	Req2 nd /3 rd year courses	3000 level courses
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