

HONORS SPECIALIZATION IN GENETICS AND BIOCHEMISTRY (20.0 courses)

Year 1 (5.0 Courses)	Graduation Requirements										
Biology 1001A or 1201A and Biology 1002B or 1202B, 1.0 course: Chemistry 1301A and 1302B	<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 appropriate 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) Maximum of 7.0 first year courses. <p>Average Requirements:</p> <ul style="list-style-type: none"> 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% <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>**Note: If you select a course that has prerequisites that are not part of the module they must be taken as options. Some 2nd year courses may be delayed until 3rd year.</p> <p>This form is only a guide, please consult the Academic Calendar for any updates.</p>										
0.5 course from: Calculus 1301A/B , Calculus 1501A/B , Mathematics 1228A/B , Mathematics 1229A/B , Mathematics 1600A/B , Numerical and Mathematical Methods 1411A/B , Numerical and Mathematical Methods 1414A/B , Data Science 1000A/B , Applied Mathematics 1201A/B ;											
0.5 course from: Physics 1201A/B , Physics 1401A/B , Physics 1501A/B ; 0.5 course from: Physics 1202A/B , Physics 1402A/B , Physics 1502A/B ; Physics must be completed by the end of 2 nd year											
1.0 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: <ul style="list-style-type: none"> Minimum average of 70% on 4.0 principal courses with no mark less than 60% in each of: <ul style="list-style-type: none"> Biology 1001A or 1201A and Biology 1002B or 1202B Chemistry 1301A/B and 1302B. 1.0 Math (both half math credits must be over 60%) 1.0 Physics (both half physics must be over 60%) 											
MODULE (10.0 Courses)											
2.5 courses: Biochemistry 2280A , Biology 2581B , 2382A/B , 2290F/G and 3596A/B											
1.0 course from: Chemistry 2213A/B and 2223B											
0.5 course from: Biology 2244A/B , Statistical Sciences 2244A/B .											
1.5 courses from Biochemistry 3380G , 3381A , 3382A .											
1.0 course from: Biology 3594A , 3595A , 3597B , 3598A/B .											
0.5 course from: Biology 3466B , 3592A , 3593B .											
0.5 from: Biochemistry 3385B , Biochemistry 3390B , Biochemistry 3392F/G , Biochemistry 4415B , Biochemistry 4450A ,											
1.5 courses from: Biology 4289A/B , 4510F/G , 4540G , 4560B , 4561F , 4562B , 4970F/G .											
1.0 course from: Biochemistry 4410A and 4420A .											
<u>Department Recommendation for the order in which certain courses should be taken:</u>											
	Second Year										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Biochem 2280A</td> <td style="width: 50%; padding: 2px;">Bio 2581B</td> </tr> <tr> <td style="padding: 2px;">Chem 2213A</td> <td style="padding: 2px;">Bio 2382A/B</td> </tr> <tr> <td style="padding: 2px;">option</td> <td style="padding: 2px;">Bio 2290F/G</td> </tr> <tr> <td style="padding: 2px;">Bio 2244A/B</td> <td style="padding: 2px;">Chem 2223B</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Plus 1.0 option</td> </tr> </table>	Biochem 2280A	Bio 2581B	Chem 2213A	Bio 2382A/B	option	Bio 2290F/G	Bio 2244A/B	Chem 2223B	Plus 1.0 option	
Biochem 2280A	Bio 2581B										
Chem 2213A	Bio 2382A/B										
option	Bio 2290F/G										
Bio 2244A/B	Chem 2223B										
Plus 1.0 option											
NOTES: Biochem 3381A requires a minimum mark of 65% in Biochem 2280A and a minimum mark of 60% in Chem 2213A/B and 2223B . Biology 3596A/B requires a minimum mark of 70% in Bio 2581B and 2290F/G Students with minimum of 70% in Biochem 2280A will be given priority in registering for Biochem 3380G	Third Year: Biochem and Biology 3000 levels courses, options										
Progression Requirements	Fourth Year: 4000 level required courses & other 3 rd year courses to fulfill the Honors Specialization requirements.										
<ul style="list-style-type: none"> Minimum cumulative modular average of 70% Minimum mark of 60% in each course of module Passing grade in each option 	OPTIONS (5.0 Courses) *A Minor module may be taken here. You must successfully complete this additional module with a minimum average of 60% overall.										