

HONORS SPECIALIZATION IN SYNTHETIC BIOLOGY (20.0 courses)

Year 1 (5.0 Courses)	Graduation Requirements												
Biology 1001A/B and 1002A/B or the former Biology 1201A and 1202B	Breadth Requirement: <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 Essay Requirement: <ul style="list-style-type: none">2.0 essays at UWO(1.0 must be senior level course) Senior Courses: <ul style="list-style-type: none">13.0 senior courses (numbered 2000-4999)Maximum of 7.0 first year courses. Average Requirements: <ul style="list-style-type: none">minimum overall average of 65% on the 20.0 coursesCumulative average of at least 70% on module, certain courses must meet the stated marks and no course in the module under 60%. Note some courses (bolded on left) have different average requirements. Residency Requirement: <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.</p> <p>This form is only a guide, please consult the Academic Calendar for any updates.</p>												
1.0 course: Chemistry 1301A and 1302B													
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 , Applied Mathematics 1201A/B , Numerical and Mathematical Methods 1411A/B , Numerical and Mathematical Methods 1412A/B , Numerical and Mathematical Methods 1414A/B .													
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 .													
1.5 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: <ul style="list-style-type: none">Minimum average of 70% on 3.0 principal courses with no mark less than 60% in each of:Biology 1001A and 1002B or the former Bio 1201A and 1202BChemistry 1301A/B and 1302A/B.1.0 Math (both half math credits must be over 60%)0.5 Physics 1028A/B,1301A/B or 1501A/B 60%													
MODULE (10.5 Courses)													
1.5 courses: Biochemistry 2280A minimum 65%; Biology 2581B and 2290F/G with a minimum of 70% in each course.													
0.5 course from: Biology 2382A/B.													
1.0 course from: Chemistry 2213A/B or 2273A and 2223B or 2283G .													
0.5 course from: Biology 2244A/B, Statistical Sciences 2244A/B.													
1.5 courses from Biochemistry 3381A, 3382A and 3392F/G.													
1.0 course from: Biology 3593A/B and 3596F/G.													
0.5 course from: Biochemistry 3380G or 3390B.													
0.5 course from: Science 3377A/B.													
0.5 course from: Business Administration 2295F/G, or one of Business Administration 1220E or 2257 (see note).													
0.5 courses from: Philosophy 2035F/G, 2300F/G, 2320F/G, 2370F/G, 2350F/G or 3341F/G.													
0.5 course from Biology 4260A/B.													
0.5 course from: Biochemistry 4415A/B.													
1.5 course from Biology 4998E (research project 1.5 credits).													
NOTES: The module will be comprised of 11.0 credits if Business 1220E or 2257 is taken. Business Administration 1220E can not be used towards both First year Requirements and modular requirements.													
<u>Progression Requirements</u> <ul style="list-style-type: none">Minimum cumulative modular average of 70%Minimum mark of 60% in each course of modulePassing grade in each option	<table><tr><th colspan="2">Second Year</th></tr><tr><td>Biochem 2280A</td><td>Bio 2581B</td></tr><tr><td>Chem 2213A</td><td>Bio 2382A/B</td></tr><tr><td>Philosophy ?</td><td>Bio 2290F/G</td></tr><tr><td>Bio 2244A/B</td><td>Chem 2223B</td></tr><tr><td colspan="2">Plus 1.0 option</td></tr></table> <p>Third Year: Biochem and Biology 3000 levels courses, Business 2295F or</p> <p>Fourth Year: 4000 level required courses & other 3rd year courses to fulfill the Honors Specialization requirements.</p> <p>Other electives to bring the number of courses up to 20.0 for the 4 year degree.</p>	Second Year		Biochem 2280A	Bio 2581B	Chem 2213A	Bio 2382A/B	Philosophy ?	Bio 2290F/G	Bio 2244A/B	Chem 2223B	Plus 1.0 option	
Second Year													
Biochem 2280A	Bio 2581B												
Chem 2213A	Bio 2382A/B												
Philosophy ?	Bio 2290F/G												
Bio 2244A/B	Chem 2223B												
Plus 1.0 option													