**HONORS SPECIALIZATION IN GENETICS**

(20.0 courses)

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

<table>
<thead>
<tr>
<th>Year 1 (5.0 Courses)</th>
<th>Graduation Requirements</th>
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<tbody>
<tr>
<td><strong>Biology 1001A or 1201A and Biology 1002B or 1202B</strong></td>
<td><strong>Breadth Requirement:</strong></td>
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<tr>
<td><strong>Chemistry 1301A/B and 1302A/B</strong></td>
<td>- 1.0 course from each of the three categories A, B and C. Please see Academic Calendar for appropriate selections</td>
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</table>

1.0 course from: **Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B or 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B** or the former Calculus 1100A/B, Linear Algebra 1600A/B. If not completed in first year, the Mathematics requirement must be completed by the end of second year.

0.5 course from: **Physics 1028A/B, 1301A/B or 1501A/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

**Admission to Honors Specialization Module:**

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 or 1201A and 1002B or 1202B
- Chemistry 1301A/B and 1302B
- 1.0 option (highest mark of 3.0 options)

**MODULE (10.0 Courses)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>0.5 course: Biochemistry 2280A</td>
<td>0.5 course: Chemistry 2213A/B</td>
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3.0 courses: Biology **2290F/G, 2382A/B, 2483A/B, 2581B, 4583A, 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 3596A/B** (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 3rd year courses listed above not already taken.

2.0 courses from: Biology 4289A/B, 4540G, 4560B, 4561F, 4562B, 4970F/G, 4999E.

**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 can be delayed until 3rd year.  
**Note:** Bolded courses above need to have a minimum 70% to proceed in the module.

**OPTIONS (5.0 Courses):** An additional Minor module may be taken here. You must successfully complete this additional module with a minimum average of 60%

**Progression Requirements**

- Minimum cumulative modular average of 70%
- Minimum mark of 60% in each course in the module**
- Passing grade in each option

**Biology 2581B, 2290F/G, 3596A/B must have a minimum of 70% each.***

**Fourth Year:** Bio 4583A, 4950F/G, other 3000 & 4000 level genetics courses.  
- Note that enrolment in Bio 4950F/G requires 70% in Bio 3596A/B and 0.5 from Bio 3594A, 3595A or 3597B  
- Chose from list 1.0 and remaining courses to fulfill the Honors Specialization Degree

Last Updated June 2018://www.uwo.ca/biology/undergraduate/geneticsmodule.htm