### Module and Graduation Planning

<table>
<thead>
<tr>
<th>First Year</th>
<th>5.0 courses numbered 1000-1999, including 1.0 from Category A or B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No principal courses less than 60%</td>
</tr>
<tr>
<td>Module Courses</td>
<td>6.0 courses specified by Biology</td>
</tr>
<tr>
<td></td>
<td>60% cumulative average in major module.</td>
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<tr>
<td>Essay</td>
<td>2.0 E, F, G, Z courses including 1.0 from 2000 level or above (essay courses must be done at Western)</td>
</tr>
<tr>
<td>Breadth</td>
<td>1.0 Category A (Social Science, Interdisciplinary and Multidisciplinary, Various)</td>
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<td></td>
<td>1.0 Category B (Arts &amp; Humanities and Languages)</td>
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<tr>
<td></td>
<td>1.0 Category C (Science)</td>
</tr>
<tr>
<td>Courses</td>
<td>No more than 7.0 Year 1 courses, 13.0 minimum senior level</td>
</tr>
<tr>
<td>BSc degree</td>
<td>4 year: 11.0 Science/BMSc courses (14.0 maximum in one subject area)* 3 year: 8.0 Science/BMSc courses (9.0 maximum in one subject area)*</td>
</tr>
<tr>
<td>Averages</td>
<td>60% cumulative average in any additional Module taken</td>
</tr>
<tr>
<td></td>
<td>60% cumulative average on 20.0 courses successfully completed</td>
</tr>
</tbody>
</table>

*Subject Areas: Actuarial Science; Astronomy; Biology; Chemistry; Computer Science; Earth Sciences; Environmental Sciences; Physics; Statistical Sciences - are all separate subject areas. Courses in Applied Mathematics, Calculus and Mathematics belong to the same subject area – the subject area of mathematics.
## Major In Genetics

### 6.0 Module Courses

#### Year 1: 5.0 Courses (3.0 Principal Courses)
- Biology 1001A or 1201A and Biology 1002B or 1202B
- Chemistry 1301A/B and 1302A/B
- **0.5 course** from: Physics 1028A/B, 1301A/B or 1501A/B
- **1.0 course** from: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Math 1225A/B, 1228A/B, 1229A/B or 1600A/B, Stats 1024A/B, Applied Math 1201A/B. MATH 1225A/B can only be taken before AM 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B.
- **1.5 elective courses** (Must do 1.0 of Category A or B requirement)

**Points to Consider:**
- Biology (minimum mark of 60%), Chemistry, and 1.0 course of your choosing are the principal courses.
- If math requirement is not completed in first year, it must be completed by the end of second year.

#### Year 2: 5.0 Courses
- **0.5 course**: Biochemistry 2280A
- **1.5 courses**: Biology 2290F/G, 2382A/B, 2581A/B
- **0.5 course** from: Biology 2244A/B, Stats 2244A/B
- **2.5 elective courses**

#### Year 3/Year 4: 10.0 Courses
- ★ **1.5 courses** (not already taken) from: Biology 3466A/B, 3592A/B, 3593A/B, 3594A/B, 3595A/B, 3597A/B
- ★ **6.5 elective courses**

**Points to Consider:**
- Biology 3596A/B requires a minimum mark of 70% in each of Biology 2581A/B and 2290F/G.
- Biology 3595A/B requires a minimum mark of 70% in Biology 2581A/B.
- A degree containing this module normally requires 4 years to complete.
- ★ These courses can be taken in 3rd and/or 4th year.
- See back page for important information.

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**Notes:**
- You may have taken a former course that isn’t listed, because it isn’t offered anymore, but still meets the requirements of the degree – refer to the online academic calendar for the complete list of substitutions.
- Students should plan this module taking into account prerequisites of senior courses.
- The order of courses listed here is a recommendation only. It is possible to complete this module in a different order than what is listed here

**Common Course Policy:**
To be considered if you are completing two modules with common courses. You are allowed to double count 1.0 credits toward both modules. Any remaining common courses are distributed between the two modules as evenly as possible and substituted with alternate courses. Please note, when choice exists in a module, courses are not considered common unless and until all choice is exhausted. For more information, see the Academic Counselling website or speak with an Academic Counsellor.