**Degree Planning and Checklist WORKSHEET**

**YEAR 1** | **HONORS SPECIALIZATION (YEARS 2-4)**
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1a. Principal | 6a. HSP | 11a. HSP | 16a. HSP
1b. Principal | 6b. HSP | 11b. HSP | 16b. HSP
2a. Principal | 7a. HSP | 12a. HSP | 17a. HSP
2b. Principal | 7b. HSP | 12b. HSP | 17b. HSP
3a. Principal | 8a. HSP | 13a. HSP | 18a. elective
3b. Principal | 8b. HSP | 13b. HSP | 18b. elective
4a. elective | 9a. HSP | 14a. HSP | 19a. elective
4b. elective | 9b. HSP | 14b. HSP | 19b. elective
5a. Cat A or B | 10a. elective | 15a. elective | 20a. elective
5b. Cat A or B | 10b. elective | 15b. elective | 20b. elective

**Module and Graduation Planning**

**First Year**
- 5.0 courses numbered 1000-1999, including 1.0 from Category A or B
- 70% in required principal courses. No principal courses less than 60%

**Module Courses**
- 9.0 or more courses specified by Biology
- 70% cumulative average in HSP module with no mark below 60%

**Essay**
- 2.0 E, F, G, Z courses including 1.0 from 2000 level or above (essay courses must be done at Western)

**Breadth**
- 1.0 Category A (Social Science, Interdisciplinary and Multidisciplinary, Various)
- 1.0 Category B (Arts & Humanities and Languages)
- 1.0 Category C (Science)

**Courses**
- No more than 7.0 Year 1 courses, 13.0 minimum senior level

**BSc degree**
- 4 year: 11.0 Science/BMSc courses (14.0 maximum in one subject area)*

**Averages**
- 60% cumulative average in any additional Module taken
- 65% cumulative average on 20.0 courses successfully completed

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*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.*
### Honors Specialization In Biology

10.0 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, Chemistry, and 1.0 course of your choosing are the principal courses. Need a 70% average on 3.0 principal courses and no mark less that 60%.
- If math requirement is not completed in first year, it must be completed by the end of second year.

#### Year 2: 5.0 Courses
- **2.5 courses:** Biochemistry 2280A, Biology 2290F/G, 2382A/B, 2483A/B, 2581A/B
- **0.5 course:** Chemistry 2213A/B
- **0.5 course:** Biology 2601A/B
- **0.5 course** from: Biology 2244A/B, Stats 2244A/B
- **1.0 elective course

#### Year 3: 5.0 Courses
- **4.0 courses** at the 2200 level or above**, chosen from the Department of Biology and the Basic Medical Sciences disciplines, of which at least 3.0 courses must be chosen from the Department of Biology. A maximum of 1.0 course may be at the 2200-2999 level and at least 1.5 of these courses must have a lab component.
- **1.0 elective course

**Points to Consider:**
- *This requirement should be spread between third and fourth year – adjust electives accordingly.
- **Microbiology and Immunology 2500A/B and/or Pharmacology 2060A/B may be taken to satisfy this requirement. Courses in History of Science are not included.
- Many of the 4000 level Biology courses require the completion of 1.5 Biology courses at the 3000 level or above.
- Students may choose to do 3.0 of the 4.0 in 3rd year and the other 1.0 in 4th year.

#### Year 4: 5.0 Courses
- **1.5 courses** from any 4000 level Biology course
- **0.5 course** from: Biology 4920F/G, 4930F/G, 4931F/G, 4944F/G (Students in Biology 4999E can satisfy this requirement with any 4000 level Biology course)
- **3.0 elective courses

**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.