<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>HONORS SPECIALIZATION (YEARS 2-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a. Principal</td>
<td>6a. HSP</td>
</tr>
<tr>
<td>1b. Principal</td>
<td>6b. HSP</td>
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<tr>
<td>2a. Principal</td>
<td>7a. HSP</td>
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<tr>
<td>2b. Principal</td>
<td>7b. HSP</td>
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<tr>
<td>3a. Principal</td>
<td>8a. HSP</td>
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<tr>
<td>3b. Principal</td>
<td>8b. HSP</td>
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<tr>
<td>4a. elective</td>
<td>9a. HSP</td>
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<tr>
<td>4b. elective</td>
<td>9b. HSP</td>
</tr>
<tr>
<td>5a. Cat A or B</td>
<td>10a. elective</td>
</tr>
<tr>
<td>5b. Cat A or B</td>
<td>10b. elective</td>
</tr>
</tbody>
</table>

**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 principle courses less than 60%

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

**Essay**
- 2.0 E, F, G 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

**Common Course Policy:** Occurs if you are in completing two modules with common courses. You are allowed to double count 1.0 credits toward both modules. Any remaining common courses are completed by distributing between the two modules as evenly as possible.

*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.

REFER TO THE OFFICIAL ACADEMIC CALENDAR ONLINE - [WWW.WESTERNCALENDAR.UWO.CA](http://WWW.WESTERNCALENDAR.UWO.CA) (October 2014)
# Honors Specialization In Biochemistry and Chemistry

## 11.0 Module Courses

### Year 1: 5.0 Courses (3.0 Principal Courses)
- **1.0 course** from: Chemistry 1301A/B and 1302A/B (with an average of at least 60%)
- **1.0 course** from: Biology 1001A and 1002B (with an average of at least 60%)
- **1.0 course** from: Calculus 1000A/B, 1500A/B and one of Applied Math 1201A/B, Applied Math 1413, Calculus 1301A/B, 1501A/B, Math 1600A/B, Math 1225A/B or 1229A/B. (An average in the two courses of at least 60% is required).
- **1.0 course** from: (Physics 1028A/B or 1301A/B or 1501A/B) and (Physics 1029A/B or 1302A/B or 1502A/B), with an average of at least 60%
- **1.0 elective course** (Must do 1.0 of Category A or B requirement)

**Points to Consider:**
- Chemistry, Biology, and Math are included in the 3.0 principal courses. Need a 70% average on 3.0 principal courses
- Physics is required but is not considered a principal course.
- Biology 1201A with a minimum mark of 70% can be used to replace Biology 1001A, and Biology 1202B with a minimum mark of 70% can be used to replace Biology 1002B.

### Year 2: 5.0 Courses
- **3.5 courses**: Chemistry 2271A, 2272F, 2273A, 2374A, 2281G, 2283G, 2384B
- **0.5 course**: Biochemistry 2280A
- **1.0 elective course**

### Year 3: 5.0 Courses
- **2.5 courses**: Chemistry 3370A/B, 3371F, 3372F/G, 3373F, 3374A/B
- **1.5 courses**: Biochemistry 3380G, 3381A, 3382B
- **0.5 course**: Biology 2581B
- **0.5 elective course**

### Year 4: 5.0 Courses
- **1.0 course** from: Biochemistry 4400G, Biochemistry 4410A, 4430B, 4435B, 4445F, 4463G, 4465A, or Microbiology and Immunology 4700B.
- **1.5 courses**: Chemistry 4491E, Biochemistry 4483E
- **2.5 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.)