Degree Planning and Checklist WORKSHEET

<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>
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<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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<td>2b. Principal</td>
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<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. elective</td>
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<tr>
<td>4b. elective</td>
<td>9b. elective</td>
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<tr>
<td>5a. Cat A or B</td>
<td>10a. elective</td>
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<tr>
<td>5b. Cat A or B</td>
<td>10b. elective</td>
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</tbody>
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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
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

*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 Applied Mathematics

#### 9.0 Module Courses

#### Year 1: 5.0 Courses (3.0 Principal Courses)
- **0.5 course** from: Calculus 1000A/B or 1500A/B
- **0.5 course** from: Calculus 1501A/B or Calculus 1301A/B
- **2.0 additional principal courses**
- **2.0 elective courses** (Must do 1.0 of Category A or B requirement)

**Points to Consider:**
- Calculus and 2.0 other courses of your choosing are included in the 3.0 principal courses. Need a 70% average on 3.0 principal courses with no mark less than a 60%.
- Applied Math 1413 may be substituted for 1.0 Calculus course requirement.
- Math 1600A/B, or Applied Math 1411A/B with a minimum mark of 60% is normally taken in year 1. If not taken in year 1, it must be taken in first term in year 2.

#### Year 2: 5.0 Courses
- **1.0 course:** Applied Math 2811B, 2814F/G or the former 2813B
- **1.0 course:** Calculus 2502A/B (recommended) or 2302A/B; 2503A/B (recommended) or 2303A/B.
- **0.5 course:** Applied Math 2402A
- **0.5 course** from: Math 2120A/B, 2122A/B, 3120A/B
- **2.0 elective courses**

#### Year 3: 5.0 Courses
- **1.0 course:** Stats 2857A/B or the former 2657A, Stats 2858A/B
- **2.0 courses:** Applied Math 3811A/B, 3813A/B, 3815A/B, FM 3911F/G
- **2.0 elective courses**

#### Year 4: 5.0 Courses
- **1.5 courses:** Applied Math 4815A/B**, 4817A/B*, 4999Z
- **0.5 course** from: Applied Math 4613A/B** or 4617A/B*
- **1.0 additional course** from: Applied Math 3129A/B, 3151A/B, 3615A/B, 4129A/B, 3611F/G** (or the former AM 4611F/G**), 4613A/B**, 4615F/G*, 4617A/B*, FM 3613B (or the former AM 3613A/B), 3817A/B (or the former AM 3817A/B).
- **2.0 elective courses**

**Points to Consider:**
- * May be offered only in odd-numbered academic years.
- ** May be offered only in even-numbered academic years.

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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.

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**REFERENCES**
- Refer to the official academic calendar online - [WWW.WESTERNCALENDAR.UWO.CA](http://WWW.WESTERNCALENDAR.UWO.CA)

(August 2016)