Western Science

Degree Planning and Checklist WORKSHEET

YEAR 1	HONORS SPECIALIZATION (YEARS 2-4)		
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. HSP
3b. Principal	8b. HSP	13b. HSP	18b. elective
4a. elective	9a. elective	14a. HSP	19a. elective
4b. elective	9b. elective	14b. elective	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 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	

***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 Computer Science

9.0 Module Courses

Year 1: *5.0 Courses (3.0 Principal Courses)*

- **0.5 course** from: Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B
- **0.5 course** from: Computer Science 1027A/B or 1037A/B (in either case with a mark of at least 65%)
- **1.0 course** from: Applied Math 1201A/B or 1413, Calculus 1000A/B, 1301A/B, 1500A/B or 1501A/B, Math 1600A/B
- **1.0 additional principal course**
- **2.0 elective courses** (Must do 1.0 of Category A or B requirement)

Points to Consider:

- Computer Science, Math, and another 1.0 course 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%.
- The Honors Specialization in Computer Science leads to a Computer Science degree that is accredited by the Computer Science Accreditation Council, the academic arm of the Canadian Information Processing Society. This specialization, in combination with the department's Minor in Software Engineering, leads to a degree that is accredited by CSAC as a Software Engineering degree.

Year 2: *5.0 Courses*

- **2.5 courses**: Computer Science 2208A/B, 2209A/B, 2210A/B, 2211A/B, 2212A/B/Y
- **0.5 course** from: Computer Science 2214A/B or Math 2155F/G
- **2.0 elective courses**

Year 3: *5.0 Courses*

- **2.5 courses**: Computer Science 3305A/B, 3307A/B/Y, 3331A/B, 3340A/B, 3342A/B
- **0.5 course**: Writing 2101F/G – could be done in 2nd year
- **0.5 course** from: Stats 2141A/B, 2244A/B, 2857A/B, 2657A, Biology 2244A/B
- **1.5 elective courses**

Year 4: *5.0 Courses*

- **0.5 course**: Computer Science 3350A/B
- **0.5 course**: Computer Science 4490Z
- **1.0 additional course** in Computer Science at the 4000 level
- **0.5 additional course** from: Math 2156A/B, Computer Science courses at the 3000 level or above.
- **2.5 elective courses**

Please Note This Important Point:

- **Students who are also pursuing the Software Engineering Minor or the Game Development Minor must take Computer Science 4470Y or 4480Y respectively. If either minor is taken, Computer Science 4490Z must be replaced in the Honors Specialization with a 0.5 course in Computer Science at the 4000 level. Students completing this Honors Specialization must include at least 5.0 courses offered by departments other than Computer Science, Applied Math, Math, and Stats and Actuarial Sciences in order to graduate.**

Points to Consider:

- 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.