COMPUTING SCIENCE HONOURS

ACADEMIC PLANNING FORM FOR STUDENTS BEGINNING FALL 2016 ONWARDS

Name: _____   Credential Designation: Date: _____
Student ID: _____   ☐ BSc ☐ BA ☐ BEd   First term at SFU: _____
Email: _____   Other Major/Minor: _____   Term Approved: _____
Advisor: _____

1. LOWER DIVISON REQUIREMENTS: Students must complete all of the following

☐ CMPT 120	☐ CMPT 295	☐ MACM 101 (B-SCI)	☐ (WQB) B-HUM
☐ CMPT 125	☐ MATH 151 or 150	☐ MACM 201	☐ (WQB) B-HUM
☐ CMPT 127	☐ MATH 152	☐ (WQB) W	☐ (WQB) B-SOC
☐ CMPT 225	☐ MATH 232 or 240	☐ (WQB) B-SCI	☐ (WQB) B-SOC
☐ CMPT 276	☐ STAT 270 or BUEC 232		

2. UPPER DIVISON REQUIREMENTS: Requirements for Breadth, Depth and BSc Credential (see next page)

Table I: Computing Science Concentrations

Artificial Intelligence	Computer Graphics and Multimedia	Computing Systems	Information Systems	Programming Languages and Software	Theoretical Computing Science
☐ CMPT 310	☐ CMPT 361	☐ **CMPT 300**	☐ CMPT 301	☐ CMPT 373	☐ **CMPT 307**
☐ CMPT 340	☐ CMPT 363	☐ CMPT 305	☐ **CMPT 354**	☐ CMPT 375	☐ CMPT 308
☐ CMPT 411	☐ CMPT 365	☐ CMPT 371	☐ CMPT 370	☐ CMPT 383	☐ CMPT 404
☐ CMPT 412	☐ CMPT 461	☐ CMPT 379	☐ CMPT 441	☐ CMPT 384	☐ **CMPT 405**
☐ CMPT 413	☐ CMPT 464	☐ CMPT 431	☐ CMPT 454	☐ CMPT 473	☐ CMPT 407
☐ CMPT 414	☐ CMPT 466	☐ CMPT 433	☐ CMPT 456	☐ CMPT 475	☐ CMPT 408
☐ CMPT 417	☐ CMPT 467	☐ CMPT 471	☐ CMPT 459	☐ CMPT 477	☐ CMPT 409
☐ CMPT 418	☐ CMPT 468	☐ CMPT 479	☐ CMPT 470	☐ CMPT 489	☐ MACM 300
☐ CMPT 419	☐ CMPT 469	☐ CMPT 499	☐ CMPT 474		

Table III: Computing Mathematics

☐ MATH 308	☐ MACM 401
☐ MATH 340	☐ MACM 442
☐ MATH 343	

BSc Credential and WQB:

☐ MACM 316
☐ Any course from Tables I or III
☐ Any course from Tables I or III
☐ CMPT 415 & 416, or 498
☐ (WQB) CMPT 376W

Breadth courses required: _____

_____

Depth courses required: _____

_____

BSc courses required: _____

_____

Other courses required for graduation: _____

_____

132 units required: Current: _____   Required: _____

60 UD units required: Current: _____   Required: _____

50 CS UD units required: Current: _____   Required: _____

3. Optional Co-operative Education

☐ CMPT 426
☐ CMPT 427
☐ CMPT 428
☐ CMPT 429
☐ CMPT 430

THIS ACADEMIC PLAN IS A GUIDELINE ONLY. PLEASE REFER TO THE SFU CALENDAR FOR FULL DETAILS.

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1. LOWER DIVISION REQUIREMENTS (or equivalents):

MATH 154/157 and 155/158, with grades of B+ or higher, may substitute MATH 150/151 and 152.

WQB requirements: Students are required to complete 6 units of writing (W), 6 units of Breadth Science (B-Sci), 6 units of Breadth Social Science (B-Soc), 6 units of Breadth Humanities (B-Hum) and 6 units of Undesignated Breadth (UB).

Computing Science students automatically fulfill their WQB requirements of 6 UB units with MATH courses and 3 B-Sci units with MACM 101. 3 W units must be upper-division units. Some WQB courses may fulfill two requirements. Some courses have multiple designations. For complete WQB regulations please refer to http://www.sfu.ca/ugcr/for_students.html.

2. UPPER DIVISION REQUIREMENTS:

Breadth requirement (18 units)
- One course from each of the six areas of Table I is required. These courses must include CMPT 300, 307 and 354.

Depth requirement (24 units)
- Eighteen units of additional CMPT courses numbered CMPT 300 or above must be completed, at least twelve of which must be numbered 400 or above. These courses must include CMPT 405 and at least one other course in the theoretical computing science concentration.
- In addition, six units of research are required including both of CMPT 415 and 416, or CMPT 498.

BSc Credential (12 units)
- Completion of MACM 316
- CMPT 376W required to satisfy UD W requirements. CMPT 322W may be considered with permission of the School.
- Two additional courses from Tables I or III. Note: The following courses may be counted as being part of Tables I or III with permission of the School: CMPT 318, 496, 497, and 700 or 800 level CMPT courses. CMPT 415, 416 and 498 may be used if not applied in the depth requirements, and with permission of the School.

Faculty of Applied Sciences Requirements: At least two thirds of the total Upper Division units in the program must have been completed at Simon Fraser University. Please refer to the current SFU calendar for full details.

3. CO-OPERATIVE EDUCATION: Combines work experience with academic studies—all students are encouraged to apply. Co-op is not mandatory; however, students completing 3 co-op placements receive a certificate of completion while students completing 4 or more co-op placements receive a co-op designation on their transcript and parchment. Note: You cannot graduate on a coop term. Please contact the Coop office for full details.

Questions? Contact an Applied Sciences Advisor at asadvise@sfu.ca, or view our advising schedule for drop-in and booked advising: http://www.sfu.ca/fas/current-student/advising.html.