WHO THIS IS FOR:
Students approved as Computing Science Majors beginning 2004-3

HONORS GRADUATION PLAN

Student Name: ____________________________ Student #: ____________________________

Degree Designation: BSc □ BA □ BBA □ BASc □ BEd □ Semester Approved: ____________

Major/Minor: ____________________________ Other: ________________________________

1. LOWER DIVISION REQUIREMENTS: (or equivalents)
   Cmpt 126 or 125 or 101 □
   Cmpt 150 □ Cmpt 225 or 201 □
   Cmpt 250 □ Cmpt 275 □
   Math 151 □ Phil 100 or 120 or Engl 1XX □
   Math 152 □ Stat 270 or Buec 232 □
   Math 232 □ Macm 101 □ Macm 201 □

2. EXTERNAL BREADTH REQUIREMENTS: (3 Liberal Arts & 1 Physical Science = 12 Credit Hours)

3. MAJOR UPPER DIVISION REQUIREMENTS:

   TABLE I – Computing Science Concentrations (4 additional scope, 6 depth. See reverse)

   Artificial Intelligence  Cmpt 310 □ Cmpt 361 □ CMPT 300 □
   Computing Graphics  Cmpt 371 □ CMPT 354 □
   Information Systems  Cmpt 379 □ Cmpt 400 □
   Prg. Lang.  Cmpt 301 □ Cmpt 383 □ CMPT 307 □
   Theoretical & Software  Cmpt 370 □ Cmpt 401 □
   Cmpt 384 □ Cmpt 404 □
   Cmpt 307 □ Cmpt 405 □
   Cmpt 386 □ Cmpt 406 □
   Cmpt 387 □ Cmpt 407 □
   Cmpt 388 □ Cmpt 408 □
   Cmpt 389 □ Cmpt 409 □
   Cmpt 410 □ Macm 300 □
   Cmpt 420 □
   Cmpt 430 □
   Cmpt 440 □
   Cmpt 450 □
   Cmpt 460 □

   TABLE II – Intensive Application Courses
   Cmpt 305 □ Cmpt 340 □
   Cmpt 341 □ Cmpt 415 □
   Macm 401 □ Math 308 □ Math 343 □

   TABLE III – Computing Mathematics Courses
   Math 408 or 416 □

4. ADDITIONAL BSc UPPER DIVISION REQUIREMENTS:
   Macm 316 □ Cmpt 320 or CMNS 353 □ ____________ □ ____________ □

5. OPTIONAL CO-OP COURSES:
   Cmpt 426 □ Cmpt 427 □ Cmpt 428 □ Cmpt 429 □ Cmpt 430 □

Scope: ________________________________

Depth: ________________________________

BSC: ________________________________

Other Courses required for graduation: __________________________________________________

Credit hours:
   Total hours needed to complete ____________
   Total UD hours (3-400 level) needed to complete ____________

For each section please see the reverse for the regulations.

Initials: ____________________________ Date: ____________________________

Form Revised on February 21, 2005
1. LOWER DIVISION REQUIREMENTS: (or equivalents)
Students must complete the lower division courses indicated or their equivalents.
- Calculus courses in place of Math 151 or 152 must have approval from an Academic Advisor.
- PHIL 100 or 120 or any 100 level English course may be used to satisfy writing requirements. SFU Surrey students may use TECH 101, and Engineering Science transfer students may use ENSC 101 and 102 to satisfy the writing requirement. A grade of C- or better is required.
- TECH 149 and CMPT 118 will be accepted in lieu of CMPT 101 (if taken prior to Fall 2004). Either TECH 149 or CMPT 118 taken alone will only count as CMPT 120.

2. EXTERNAL BREADTH REQUIREMENTS:
The School requires its major students to acquire effective writing and discussion skills and to develop knowledge in diverse areas. Note: The Liberal Arts requirement may not use any language instruction, physical science or mathematics courses.
Toward this end, students must complete at least nine credit hours (at any level and may include qualifying social science classes) of Liberal Arts breadth courses in addition to the computing science lower level requirements. A list of courses approved for this requirement is available from the office of the School of Computing Science Website in the Undergraduate Academic Programs. [http://www.cs.sfu.ca/undergrad/Advising/DiversityList.html](http://www.cs.sfu.ca/undergrad/Advising/DiversityList.html)

The physical science external breadth requirement is met by completing any one of the following courses:
BISC 101, 102, CHEM 120, 121, 122, EASC 101, GEOG 111, KIN 142, PHYS 101, 102, 120, 121, 125, 126.

3. UPPER DIVISION REQUIREMENTS:
All Computing courses must complete at least 50 or more credit hours of upper division CMPT/MACM out of a total of 60 upper division credit hours. A graduation GPA of at least 3.00 must be achieved.

**Breadth Requirement** (18 credit hours)
Six courses from each of the six columns of Table I, including CMPT 300, CMPT 307, and CMPT 354.

**Depth Requirement** (18 credit hours)
Six additional computing courses chosen from Table I must include CMPT 405 and at least one other course in the theoretical computing science concentration other than CMPT 307. Four of the courses must be at 400 level.
- BA: The above rules apply, plus an additional 10 credits hours in a discipline in the Faculty of Arts (10 upper division credits) is required.
- BSc: See below.

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

4. ADDITIONAL BSc UPPER DIVISION REQUIREMENTS
Students must complete the upper division courses indicated or their equivalents.
- Students must complete MACM 316 and one of CMPT 320 or CMNS 353
- Two additional courses must be chosen from Tables I, II or II.

5. CO-OP: Combines work experience with academic studies. Co-op is not mandatory; however, if students successfully complete 4 or 5 co-op placements, it will be indicated on their graduation parchment and transcript. Computing students are allowed to take a maximum of 5 co-op placements during their degree.

**CREDITS REQUIRED FOR A HONORS DEGREE**: An overall total of 132 credits are required with a minimum of 60 upper division credits. Computing specifies only 50 Upper Division credits and at least 10 more upper division credit hours are needed. It is recommended that these credits be taken outside Computing Science.

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This is a Guideline only. For full regulations refer to the SFU Calendar.

Form Revised on February 21, 2005