MAJOR GRADUATION PLAN

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

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 □  Math 151 □  Phil 100 or 120 or Engl 1XX □
   Cmpt 150 □  Cmpt 225 or 201 □  Math 152 □  Stat 270 or Buec 232 □
   Cmpt 250 □  Cmpt 275 □  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 (3 additional breadth, 4 depth. See reverse)
   Artificial Intelligence
   | Cmpt 310 □  Cmpt 361 □ | Cmpt 300 □  Cmpt 301 □  Cmpt 383 □  CMPT 307 □
   | Cmpt 411 □  Cmpt 363 □ | Cmpt 371 □  Cmpt 354 □  Cmpt 384 □  Cmpt 308 □
   | Cmpt 412 □  Cmpt 365 □ | Cmpt 379 □  Cmpt 370 □  Cmpt 480 □  Cmpt 405 □
   | Cmpt 413 □  Cmpt 461 □ | Cmpt 400 □  Cmpt 454 □  Cmpt 481 □  Cmpt 406 □
   | Cmpt 414 □  Cmpt 466 □ | Cmpt 401 □  Cmpt 459 □  Cmpt 487 □  Cmpt 407 □
   | Cmpt 417 □  Cmpt 469 □ | Cmpt 471 □  Cmpt 470 □  Cmpt 489 □  Cmpt 408 □
   | Cmpt 419 □  Cmpt 479 □ | Cmpt 475 □  Cmpt 479 □  Cmpt 499 □  Cmpt 499 □
   | Cmpt 420 □  Cmpt 479 □  Cmpt 499 □  Cmpt 500 □  Cmpt 501 □

   TABLE II – Intensive Application Courses
   | Cmpt 305 □  Cmpt 340 □
   | Cmpt 341 □  Cmpt 415 □

   TABLE III – Computing Mathematics Courses
   | Macm 401 □  Math 308 □  Math 343 □
   | Math 408 □  Math 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 (3-400level) needed to complete __________________________

For each section please see the reverse for the regulations.

Initials: ____________________________ Date: ____________________________
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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

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:

Breadth Requirement (15 credit hours)

CMPT 300, CMPT 307 and three courses from different columns of Table I.

Depth Requirement (12 credit hours)

BSc: Four additional courses from Table I. These courses must be numbered 400 or above excluding CMPT 415 and 416. (Also see below)

BEEd: Five additional Cmpt Course chosen from Table I and II – total at least 30 upper division credits.

BA: Five additional Cmpt course chosen from Table I or II – total at least 30 upper division credits. Additional 15 credits hours in a discipline in the Faculty of Arts including 6 upper division credits.

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 (12 credit hours)

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 III.

Note: After the specified 39 Upper Division credits, additional Upper Division credit hours are needed to bring the total to 45, and it is recommend that these credits be taken outside Computing Science.

5. CO-OPERATIVE EDUCATION: 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 SFU DEGREE: Minimum of 120 credits in total and 45 are Upper Division credits.

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

Form Revised on February 21, 2005