2007-2008 BCS/Software Engineering Option Checklist

Under "Required Courses" fill in forty unique courses (20 units) that you have passed but not excluded. Then verify that those courses also satisfy the "Additional Constraints".

Required Courses

☐ 7.5 CS Units
- ☐ CS 125, 133, 135, 3xx or 4xx
- ☐ CS 134 or 136
- ☐ CS 240
- ☐ CS 241
- ☐ CS 245
- ☐ CS 246
- ☐ CS 251
- ☐ CS 341
- ☐ CS 348
- ☐ CS 350
- ☐ CS 340-398; 440-489
- ☐ CS 445
- ☐ CS 446
- ☐ CS 447
- ☐ CS 340-398 or 440-497 or CS 499T or CS 6xx or CS 7xx or STAT 440 or CO 487

☐ 3.5 Math units
- ☐ Math 1[34]5
- ☐ Math 1[34]6
- ☐ Math 1[34]7
- ☐ Math 1[34]8
- ☐ Math 2[34]9
- ☐ Stat 2[34]0
- ☐ Stat 2[34]1

☐ 5.0 Non-math Units
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐

☐ 4.0 Elective Units
- ☐ ☐
- ☐ ☐
- ☐ ☐
- ☐ ☐

Additional Constraints

☐ Eight terms enrolled in at least three courses totaling 1.5 units

☐ No more than 3.0 units of excluded courses and non-excluded courses failed prior to the Fall 2004 term

☐ CS Major Average of 60% or higher

☐ Cumulative Average of 60% or higher

☐ English Writing Skills

☐ Coop requirements met, if applicable. Must now complete a minimum of 5 PD courses.

Additional Constraints

☐ Two of (Applications courses)[1]:
- ☐ CS 343
- ☐ CS 349
- ☐ CS 444
- ☐ CS 448
- ☐ CS 450 or ECE 429
- ☐ CS 452
- ☐ CS 454 or ECE 454
- ☐ CS 456 or ECE 428
- ☐ CS 457
- ☐ CS 486 or ECE 457
- ☐ CS 488

☐ One of (societal issues): CS 492, GENE 411, ME 401, PHIL 215, 315, STV 100, 202, 302

☐ One of (business issues): BUS 111W, 121W, GENE 452, HRM 200, MSCI 211, 311, MTHEL 400

☐ One of (reasoning methodology or communication): ENGL 109, 119, 140R, 209, 210E, 210F, 219, 309E, 376R, 392A, 392B, PHIL 145, 200J, 243, SPCOM 100, 223, 225, 323, 324, or an additional course from the societal, or business lists

☐ Non-math units that satisfy one of:
- ☐ A minor, joint or full Honours plan from outside of the Mathematics Faculty
- ☐ Elective breadth and depth requirement[2]:
  - ☐ All of (breadth):
    - ☐ 1.0 units from Arts Group A
    - ☐ 1.0 units from Arts Group B
    - ☐ 0.5 units from the Faculty of Science
    - ☐ 0.5 units from the Faculties of Science, Applied Health Sciences or Environmental Studies
  - ☐ One of (depth):
    - ☐ 1.5 units at the 3rd year level or higher with the same prefix
    - ☐ 1.5 units with the same prefix forming a prerequisite chain of length three
- ☐ An alternate plan approved by a CS Advisor

Disclaimer: This checklist is a handy tool but is not a substitute for the official degree regulations. If there is a question of interpretation or a discrepancy, the University Calendar always takes precedence.

[1] Effective September 2007, CS 349 and CS 448 are added to the list of applications.
[2] See http://www.cs.uwaterloo.ca/current/programs/require/2007-2008/depthAndBreadth.shtml

Source: http://www.cs.uwaterloo.ca/current/programs/require/2007-2008/bcs_se.pdf