2011-2012 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 115 or 135 or 145
  - ☐ CS 136 or 146
  - ☐ 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 440-498 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[234]7
  - ☐ Math 1[234]8
  - ☐ Math 2[34]9
  - ☐ Stat 2[34]0
  - ☐ Stat 2[34]1
- ☐ 5.0 Non-math Units
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
  - ☐
- ☐ 4.0 Elective Units
  - ☐ ☐
  - ☐ ☐
  - ☐ ☐
  - ☐ ☐

Additional Constraints

- ☐ Seven (regular) or eight (co-op) terms enrolled in at least three courses totaling 1.5 units
- ☐ No more than 3.0 units of excluded courses
- ☐ CS Major Average of 60% or higher
- ☐ Cumulative Average of 60% or higher
- ☐ English Writing Skills
- ☐ Coop requirements met, if applicable, including a minimum of five PD courses.

Additional Constraints

- ☐ Two of (Applications courses):
  - ☐ 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): ARBUS 202, CS 492, GENE 411, GENE 412, ME 401, PHIL 215, 315, STV 100, 202, 302
- ☐ One of (business issues): BUS 111W, 121W, HRM 200, MSCI 211, 311, 454, MTHEL 400
- ☐ One of (reasoning methodology or communication): ENGL 109, 119, 140R, 209, 210E, 210F, 219, 309E, 376R, 392A, 392B, 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[1]:
    - ☐ All of (breadth):
      - ☐ 1.0 units from the humanities
      - ☐ 1.0 units from the social sciences
      - ☐ 0.5 units from the pure sciences
      - ☐ 0.5 units from the pure and applied sciences
    - ☐ One of (depth):
      - ☐ 1.5 units in the same subject area with at least 0.5 units at the 3rd year level or higher
      - ☐ 1.5 units with the same subject 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] See http://www.cs.uwaterloo.ca/current/programs/require/2011-2012/depthAndBreadth.shtml

Source: http://www.cs.uwaterloo.ca/current/programs/require/2011-2012/bcs_se.pdf