

# 2010-2011 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	Additional Constraints
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> 7.5 CS Units  <input type="checkbox"/> CS 115, 135, 3xx or 4xx  <input type="checkbox"/> CS 136 or 145  <input type="checkbox"/> CS 240  <input type="checkbox"/> CS 241  <input type="checkbox"/> CS 245  <input type="checkbox"/> CS 246  <input type="checkbox"/> CS 251  <input type="checkbox"/> CS 341  <input type="checkbox"/> CS 348  <input type="checkbox"/> CS 350  <input type="checkbox"/> CS 340-398; 440-489  <input type="checkbox"/> CS 445  <input type="checkbox"/> CS 446  <input type="checkbox"/> CS 447  <input type="checkbox"/> CS 340-398 or 440-498 or CS 499T or CS 6xx or CS 7xx or STAT 440 or CO 487   <input type="checkbox"/> 4.0 Elective Units  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> <div style="width: 45%;"> <input type="checkbox"/> 3.5 Math units  <input type="checkbox"/> Math 1[34]5  <input type="checkbox"/> Math 1[34]6  <input type="checkbox"/> Math 1[234]7  <input type="checkbox"/> Math 1[234]8  <input type="checkbox"/> Math 2[34]9  <input type="checkbox"/> Stat 2[34]0  <input type="checkbox"/> Stat 2[34]1   <input type="checkbox"/> 5.0 Non-math Units  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> </div>	<input type="checkbox"/> Two of (Applications courses): <input type="checkbox"/> CS 343 <input type="checkbox"/> CS 454 or ECE 454 <input type="checkbox"/> CS 349 <input type="checkbox"/> CS 456 or ECE 428 <input type="checkbox"/> CS 444 <input type="checkbox"/> CS 457 <input type="checkbox"/> CS 448 <input type="checkbox"/> CS 486 or ECE 457 <input type="checkbox"/> CS 450 or ECE 429 <input type="checkbox"/> CS 488 <input type="checkbox"/> CS 452  <input type="checkbox"/> One of (societal issues): ARBUS 202, CS 492, GENE 411, GENE 412, ME 401, PHIL 215, 315, STV 100, 202, 302 <input type="checkbox"/> One of (business issues): BUS 111W, 121W, HRM 200, MSCI 211, 311, 454, MTHL 400 <input type="checkbox"/> 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  <input type="checkbox"/> Non-math units that satisfy one of: <input type="checkbox"/> A minor, joint or full Honours plan from outside of the Mathematics Faculty <input type="checkbox"/> Elective <a href="#">breadth and depth requirement<sup>1</sup></a> : <input type="checkbox"/> All of (breadth): <input type="checkbox"/> 1.0 units from the humanities <input type="checkbox"/> 1.0 units from the social sciences <input type="checkbox"/> 0.5 units from the pure sciences <input type="checkbox"/> 0.5 units from the pure and applied sciences  <input type="checkbox"/> One of (depth): <input type="checkbox"/> 1.5 units in the same subject area with at least 0.5 units at the 3 <sup>rd</sup> year level or higher <input type="checkbox"/> 1.5 units with the same subject forming a prerequisite chain of length three  <input type="checkbox"/> An alternate plan approved by a CS Advisor
<h3>Additional Constraints</h3> <input type="checkbox"/> Seven (regular) or eight (co-op) terms enrolled in at least three courses totaling 1.5 units <input type="checkbox"/> No more than 3.0 units of excluded courses <input type="checkbox"/> CS Major Average of 60% or higher <input type="checkbox"/> Cumulative Average of 60% or higher <input type="checkbox"/> English Writing Skills <input type="checkbox"/> Coop requirements met, if applicable, including a minimum of five PD courses.	

**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.

<sup>1</sup> See <http://www.cs.uwaterloo.ca/current/programs/require/2010-2011/depthAndBreadth.shtml>