## 2022-2023 BMath (CS) + Software Engineering Specialization

- 1. Please watch the "How to Pick Your CS Checklist and Fill it in" video.
- 2. Under **Required Courses** and **Electives**, check off the forty unique courses (20.75 units) that you have earned university credit for. **Additional Elective Units** can be *any* course for which you received university credit.
- 3. Verify that the Required Courses and Electives also satisfy the Additional Constraints.

Required Courses El		Electives				
□ 9.75 CS Units  □ CS 1[134]5 □ CS 1[34]6 □ CS 136L (0.25 unit) □ CS 240 □ CS 241 □ CS 245 □ CS 246 □ CS 251 □ CS 341 □ CS 350 □ CS 370 or CS 371 □ CS 3XX from List A □ CS 445/ECE 451 □ CS 446/ECE 452 □ CS 4XX from List B □ CS 4XX from List B	□4.5 Math Units □MATH 1[34]5 □MATH 1[034]6 □MATH 1[234]7 □MATH 1[234]8 □MATH 2[34]5 □MATH 2[34]7 □MATH 2[34]9 □STAT 2[34]0 □STAT 2[34]1	□ 5.0 Non-Math Ele  Breadth and Dep  □ Communicatio □ Humanities: □ Humanities or □ Social Science: □ Pure Science: □ Pure or Applie □ □	th: on list I <sup>1</sup> : on list II <sup>2</sup> : non-math <sup>3</sup> : d Sciences:_			
Additional Constraints						
☐ List A – Choose two cou☐ CS 343☐ CS 348☐ CS 349		☐ CS 444 ☐ CS 448	☐ CS 449 ☐ CS 450 ☐ CS 451	☐ CS 452 ☐ CS 454 ☐ CS 456	☐ CS 457 ☐ CS 458 ☐ CS 480	☐ CS 484 ☐ CS 486 ☐ CS 488
Depth - 1.5 units in the same subject where either:  (a) at least 0.5 unit is 3xx or higher, or  (b) all three form a prerequisite chain.  Courses for breadth can also be used for depth.  Write the non-math elective units from above that you will use for depth.		<ul> <li>□ Seven (regular) or eight (co-op) terms enrolled in at least three courses totaling 1.5 units</li> <li>□ No more than 2.0 units of failed courses</li> <li>□ No more than 5.0 units of unusable course attempts (failures and repeats of passed courses)</li> <li>□ CS major average of 60% or higher</li> <li>□ Cumulative average of 60% or higher</li> <li>□ Co-op requirements met, if applicable, including PD 1, PD 11, PD 10, and a minimum of two other PD courses</li> </ul>				

<sup>&</sup>lt;sup>1</sup>Communication List I: At least 60% in one of EMLS 101R, EMLS 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, SPCOM 223.

<sup>&</sup>lt;sup>2</sup>Communication List II: One of EMLS 103R, EMLS 104R, EMLS 110R, ENGL 101B, ENGL 108B, ENGL 108D, ENGL 119, ENGL 208B, ENGL 209, ENGL 210E, ENGL 210F, ENGL 378/MTHEL 300, SPCOM 225, SPCOM 227, SPCOM 228, or an additional course from Communication List 1.

<sup>3</sup>The courses below can be used to satisfy both the Communication List II requirement **and** 0.5 unit for the humanities (breadth) requirement.

 ENGL 101B, ENGL 108B, ENGL 108D, ENGL 119, ENGL 208B, ENGL 209, ENGL 210E, ENGL 210F, ENGL 378/MTHEL 300, SPCOM 225, SPCOM 227, SPCOM 228.

If you use one of the Communication List II courses for humanities, then the checkbox needs to be replaced by any non-Math course.

<sup>4</sup>Three additional courses labeled ACTSC, AMATH, CO, PMATH, STAT, excluding the following:

- Courses with requisites normally excluding Honours CS students
- Courses cross-listed with a CS course
- Courses explicitly listed in CS major plans as alternatives to CS courses
- Reading and topics courses
- ACTSC 221, CO 353, CO 380, CO 480

Disclaimer: This checklist is a handy tool, but it is not a substitute for the official degree regulations. You may complete the checklist and ask a CS advisor to review it, but the student is ultimately responsible for ensuring that they have met their degree requirements. If there is a question of interpretation or a discrepancy, the <u>University Calendar</u> always takes precedence.