2020-2021 BMath CS + Human-Computer Interaction Specialization

- 1. Under **Required Courses** and **Electives**, check off the forty unique courses (20.0 units) that you have earned university credit for. **Additional Elective Units** can be *any* course for which you received university credit.
- 2. Verify that the Required Courses and Electives also satisfy the Additional Constraints.

Required Courses		Electives	
☐7.5 CS Units ☐CS 1[134]5 ☐CS 1[34]6 ☐CS 240 ☐CS 241 ☐CS 245 ☐CS 246 ☐CS 251 ☐CS 341 ☐CS 349 ☐CS 350 ☐CS 360 or CS 365 ☐CS 370 or CS 371 ☐CS 449 ☐CS 449 ☐CS 492	□ 4.5 Math Units □ MATH 1[34]5 □ MATH 1[34]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 □ 1.5 Additional Math Units¹ □ □	□ 5.0 Non-Math Elective □ Communication lis □ Communication lis □ □ □ □ □ □ □ □ □ □	st I ²
Additional Constraints			
☐ CS 446/ECE 452 ☐ CS 447/ECE 452 ☐ CS 454 ☐ Choose two of the foll ☐ ENGL 108D ☐ KI ☐ ENGL 293 ☐ PS ☐ ENGL 295 ☐ PS ☐ FINE 150 ☐ ST	□ CS 458	its from the humanities ⁴ its from the social sciences its from the pure sciences its from the pure or applied epth): its in the same subject area t least 0.5 units at the 3rd evel or higher, or its with the same subject ag a prerequisite chain of	□ Seven (regular) or eight (co-op) terms enrolled in at least three courses totaling 1.5 units □ No more than 2.0 units of failed courses □ No more than 5.0 units of unusable course attempts (failures and repeats of passed courses) □ CS major average of 60% or higher □ Cumulative average of 60% or higher □ Co-op requirements met, if applicable, including PD 1, PD 11, PD 10, and a minimum of two other PD courses

¹Three 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
- Readings and Topics courses
- ACTSC 221, CO 353, CO 380, CO 480

²Communication List I: At least 60% in one of EMLS 101R, EMLS 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, SPCOM 223.

³Communication List II: One of EMLS 103R, EMLS 104R, EMLS 110R, 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.

⁴The below Communication courses from List II can be used to satisfy both the Communication List II requirement *and* 0.5 unit for the humanities (breadth) requirement. Communication List I courses do NOT satisfy the humanities (breadth) requirement.

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

Disclaimer: This checklist is a handy tool, but it 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: http://ugradcalendar.uwaterloo.ca/group/MATH-computer-Science-1. 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.