2020-2021 BMath CS + Business 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 350 ☐CS 360 or CS 365 ☐CS 370 or CS 371 ☐CS 340-398; 440-489 ☐CS 440-489 ☐CS 440-489 ☐CS 440-489 ☐CS 440-498 or CS 499T or CS 6xx or CS 7xx or CO 487 or STAT 440	□ 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 Units □ Communication list I ² □ Communication list II ³ □ □ □ □ □ □ □	5
Additional Constraints			
□ ACTSC 371 □ BU □ ACTSC 372 □ BU □ AFM 101 or □ CO AFM 123 or □ EC ARBUS 102 □ EC □ AFM 102 □ EC □ AFM 131 or □ HR ARBUS 101 or □ MS □ BUS 111W □ PS □ ARBUS 302 or □ MS	breadth a	5 units from the pure or plied sciences of (depth): 5 units in the same subject ea with at least 0.5 units at the	□ 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

- 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

¹Three additional courses labeled ACTSC, AMATH, CO, PMATH, STAT, excluding the following:

• 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.

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.