2022-2023 BMath (CS) + Artificial Intelligence 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 (20.0 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		Electives	
☐ 7.75 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 360 or CS 365 ☐ CS 370 or CS 371 ☐ CS 480 or CS 485 ☐ CS 486 ☐ CS 492)	□ 5.0 Non-Math Elective Units including Breadth and Depth: □ Communication list I¹: □ Communication list II²: □ Humanities: □ Humanities or non-math³: □ Social Science: □ Social Science: □ Pure Science: □ Pure or Applied Sciences: □ □	□ 1.25 Additional Math or Non-Math Elective Units □ □ □ □ □ □ 1.5 Additional Math Elective Units⁴ □ □ □ □
Additional Constraint	S		
□ co	O 367 ☐ CS 452 O 456 ☐ CS 480 ⁶ O 463 ☐ CS 484	es below: STAT 341	MTE 544 ☐ SYDE 522 ☐ SYDE 556 ☐ SYDE 572
(b) all three form Courses for breadth can Write the non-math ele you will use for depth.	nit is 3xx or higher, or n a prerequisite chain. also be used for depth	courses totaling 1.5 units No more than 2.0 units of failed county. No more than 5.0 units of unusable and repeats of passed courses) CS major average of 60% or higher Cumulative average of 60% or higher Co-op requirements met, if applications	urses course attempts (failures er ble, including PD 1, PD 11,

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

²Communication 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.

³The 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.

⁴Three 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

⁵For ECE 380/SE 380, MATH 213 is an acceptable alternative for its noted prerequisite. Alternatively, ECE 380/SE 380 can be substituted with CS 480, CS 484, or CS 485. If this substitution is chosen, then the substituted CS course cannot be used towards the one of 'three additional courses' from List A.

⁶At least one of the 'three additional courses' must be from Math and at least one from Engineering. Special topics courses (e.g. CS 489) may sometimes be appropriate for this option; interested students should see a CS advisor for confirmation. Please note that you must complete the appropriate prerequisites in order to take the engineering courses required for AI specialization. In some cases, you may be required to take more courses beyond what is noted on the checklist. Engineering courses listed here cannot be used towards non-math electives.

⁶One of CS 480 and CS 485 is required. If both courses are taken, then one of them would count as one of 'three additional courses' from List A. However, please see the restriction noted for these courses in footnote #4.

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.