2021-2022 BMath CS + Bioinformatics 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

☐ 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 482 _____
- ☐ 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[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

Electives

☐ 6.0 Non-Math Elective Units
- ☐ Communication list I[2]: _____
- ☐ Communication list II[3]: _____
- ☐ BIOL 130
- ☐ BIOL 130L
- ☐ BIOL 239
- ☐ BIOL 240
- ☐ BIOL 240L
- ☐ BIOL 309
- ☐ BIOL 365
- ☐ BIOL 465[5]
- ☐ CHEM 120
- ☐ CHEM 120L
- ☐ CHEM 123
- ☐ CHEM 123L

☐ 0.5 Additional Elective Units
- ☐ _____

☐ 1.5 Additional Math Units[1]
- ☐ _____
- ☐ _____
- ☐ _____

Additional Constraints

- ☒ Breadth and depth met by BIOL and CHEM courses
- ☐ 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

[1]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

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

[3]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.

[4]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.

[5]BIOL 465 usually requires CHEM 233 or CHEM 237 as a prerequisite, but this is waived for CS students in the bioinformatics specialization.

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. 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.