2024-2025 Bachelor of Computer Science (Data Science)

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

☐ **7.75 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 348
- ☐ CS 350
- ☐ CS 340-398; 440-489 _____
- ☐ CS 451
- ☐ CS 480, CS 485, or CS 486[1]
- ☐ CS 4XX from List A[1]
- ☐ One of CS 340-398, 440-498, CS 499T, CS 6XX, CS 7XX, CO 487, or STAT 440[2] _____

☐ **7.0 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
- ☐ STAT 330
- ☐ STAT 331
- ☐ STAT 341
- ☐ STAT 4XX from List B[2]
- ☐ STAT 4XX from List B[2]

Electives

☐ **5.0 Non-Math Elective Units, including Breadth and Depth**
- ☐ Social Science: _____
- ☐ Social Science: _____
- ☐ Pure Science: _____
- ☐ Pure/Applied Science: ____
- ☐ _____
- ☐ _____

Choose either:
- ☐ Comm. list I[3]: _____
- ☐ Comm. list I or II[4]: _____
- ☐ Humanities: _____
- ☐ Humanities: _____

OR
- ☐ Comm. list I[3]: _____
- ☐ COMMST or ENGL from Comm. list II[4]: _____
- ☐ Humanities: _____
- ☐ Non-Math: _____

☐ **0.25 Additional Math or Non-Math Elective Unit**
- ☐ _____

Additional Constraints

☐ List A – Choose one course below:

☐ CS 448	☐ CS 484
☐ CS 454	☐ CS 485
☐ CS 480	☐ CS 486

☐ List B – Choose two courses below:

☐ STAT 431	☐ STAT 442
☐ STAT 440	☐ STAT 443
☐ STAT 441	☐ STAT 444

☐ **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.
- ☐ _____
- ☐ _____
- ☐ _____

- ☐ 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

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[1]Must be satisfied by two different courses.

[2]Must be different courses. Students who take STAT 440 cannot also count this course toward the "One of CS 340-398, 440-498, CS 499T, CS 6XX, CS 7XX, CO 487, or STAT 440".

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

[4]Communication List II: One of COMMST 225, COMMST 227, COMMST 228, *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

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 University Calendar always takes precedence.