

2021-2022 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

7.5 CS Units

- CS 1[134]5
- CS 1[34]6
- CS 240
- CS 241
- CS 245
- CS 246
- CS 251
- CS 341
- CS 348
- CS 350
- CS 340-398; 440-489 _____
- CS 340-398; 440-498 or CS 499T or CS 6xx or CS 7xx or CO 487 or STAT 440¹ _____
- CS 451
- CS 480 or CS 485 or CS 486 _____
- CS 4xx from list B _____

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 A¹
- STAT 4XX from list A¹

Electives

5.0 Non-Math Elective Units

- including [Breadth and Depth](#):
- Communication list I²: _____
 - Communication list II³: _____
 - Humanities: _____
 - Humanities or non-math³: _____
 - Social Science: _____
 - Social Science: _____
 - Pure Science: _____
 - Pure or Applied Sciences: _____
 - _____
 - _____

0.5 Additional

- Elective Units**
- _____

Additional Constraints

- Two courses chosen from List A:
 - STAT 431 STAT 440 STAT 441 STAT 442 STAT 443 STAT 444
- One course chosen from List B:
 - CS 448 CS 454 CS 480 CS 485 CS 486

- 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 chainCourses 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

¹Must be two different courses. Students who take STAT 440 cannot also count this course toward the "one additional course chosen from" requirement for the Bachelor of Computer Science.

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 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.

⁴The 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.

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.