

# 2023-2024 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<sup>1</sup>
- CS 4XX from List A<sup>1</sup>
- One of CS 340-398, 440-498, CS 499T, CS 6XX, CS 7XX, CO 487, or STAT 440<sup>2</sup> \_\_\_\_\_

### 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<sup>2</sup>
- STAT 4XX from List B<sup>2</sup>

## 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<sup>3</sup>: \_\_\_\_\_
- Comm. list I or II<sup>4</sup>: \_\_\_\_\_
- Humanities: \_\_\_\_\_
- Humanities: \_\_\_\_\_

OR

- Comm. list I<sup>3</sup>: \_\_\_\_\_
- COMMST or ENGL from Comm. list II<sup>4</sup>: \_\_\_\_\_
- Humanities: \_\_\_\_\_
- Non-Math: \_\_\_\_\_

### 0.25 Additional Math or Non-Math Elective Unit

- \_\_\_\_\_

## Additional Constraints

List A – Choose one course below:

- CS 448       CS 485
- CS 454       CS 486
- CS 480

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

<sup>1</sup>Must be satisfied by two different courses.

<sup>2</sup>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".

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

<sup>4</sup>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.