

2024-2025 BCS + Software Engineering 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

8.25 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 3XX from List A _____
- CS 3XX from List A _____
- CS 445/ECE 451
- CS 446/ECE 452
- CS 447/ECE 453
- CS 4XX from List B _____
- CS 4XX from List B _____

3.5 Math Units

- MATH 1[34]5
- MATH 1[34]6
- MATH 1[234]7
- MATH 1[234]8
- MATH 2[34]9
- STAT 2[34]0
- STAT 2[34]1

Electives

5.0 Non-Math Elective Units, including [Breadth and Depth](#)

- Social Science: _____
- Social Science: _____
- Pure Science: _____
- Pure/Applied Science: _____
- _____
- _____

Choose either:

- Comm. list I¹: _____
- Comm. list I or II²: _____
- Humanities: _____
- Humanities: _____

OR

- Comm. list I¹: _____
- COMMST or ENGL from Comm. list II²: _____
- Humanities: _____
- Non-Math: _____

3.25 Additional Math or Non-Math Elective Units

- List C course: _____
- _____
- _____
- _____
- _____
- _____
- _____

Additional Constraints

List A – Choose two courses below:

- CS 343
- CS 348
- CS 349

List B - Choose two courses below:

- CS 442 CS 450 CS 454 CS 480
- CS 444 CS 451 CS 456 CS 484
- CS 448 CS 452 CS 457 CS 486
- CS 449 CS 453³ CS 459³ CS 488

List C – Choose one course below:

- BET 360 ENVS 205 GSJ 205 PACS 315 STV 202
- BET 420 GEOG 207 MSE 422 SOC 232 STV 205
- CS 492 GEOG 306 MSE 442 SOC 324 STV 306

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

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

²Communication 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

³Only one of CS 453 or CS 459 can be used towards the list B requirement.

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.