

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 346
- CS 348
- CS 349

List B - Choose two courses below:

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

List C – Choose one course below:

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