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
  - □ ECE 222
  - □ CS 341
  - □ CS 350
  - □ CS 340-398;440-489
  - □ CS 340-398;440-489
  - □ CS 340-398;440-489
  - □ CS 450 or ECE 429
  - □ CS 440-489
  - □ CS 440-489 or CS 499T or CS 6xx or CS 7xx or CO 487 or STAT 440

- □ 3.5 Math Units
  - □ MATH 1[34]5
  - □ MATH 1[34]6
  - □ MATH 1[234]7
  - □ MATH 2[34]5
  - □ STAT 2[34]0
  - □ STAT 2[34]1

### Electives

- □ 3.5 Units
  - □ Communication list I¹:
  - □ Communication list II²:
  - □ ECE 124
  - □ ECE 224 or MTE 325
  - □ ECE 327
  - □ ECE 423
  - □ One of ECE 320, ECE 429, or CS 450³

- □ 3.0 Non-Math Elective Units including **Breadth and Depth**
  - □ Humanities: ____________
  - □ Humanities or non-math³: ____________
  - □ Social Science: ____________
  - □ Social Science: ____________
  - □ Pure Science: ____________
  - □ Pure or Applied Science: GENE 123 or MTE 120

- □ 2.5 Additional Units
  - □ Recommended: ECE 455
  - □ Recommended: PHYS 121

- □ Additional Constraints
  - □ Two of:
    - □ CS 452 □ CS 454 □ CS 456 □ CS 457
  - □ Depth — The depth requirement can be potentially met by the required ECE courses. Please check with a CS Advisor to confirm if the ECE courses you plan on taking will satisfy depth **before** you choose them during course selection.
  - □ 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 EMLS 101R, EMLS 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, SPCOM 223.


³The courses below can be used to satisfy both the Communication List II requirement and 0.5 unit for the humanities (breadth) requirement.


⁴Students taking ECE 429 instead of CS 450 will count this as a 0.5 math unit in the range CS 440-CS 498, and not a 0.5 non-math unit.
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.