

2025-2026 BMath (Computer Science) + Digital Hardware 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

☐ 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
- ☐ ECE 222
- ☐ CS 341
- ☐ CS 350
- ☐ CS 360 or CS 365
- ☐ CS 370 or CS 371
- ☐ CS 340-398; 440-489 _____
- ☐ CS 450 or ECE 320
- ☐ CS 440-489 _____
- ☐ CS 440-498, CS 499T, CS 6XX, CS 7XX, CO 487, or STAT 440 _____

☐ 4.5 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

Electives

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

- ☐ Social Science: _____
- ☐ Social Science: _____
- ☐ Pure Science: PHYS 121 (recommended)
- ☐ Pure/Applied Science: GENE 123 or MTE 120
- ☐ ECE 124
- ☐ ECE 224 or MTE 325

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: _____

☐ 1.5 Additional [Math](#)³ Elective Units

- ☐ _____
- ☐ _____
- ☐ _____

☐ 1.25 Additional [Math or Non-Math](#) Elective Units

- ☐ ECE 327
- ☐ ECE 423
- ☐ ECE 455 (recommended)

Additional Constraints

☐ Two of:

- ☐ CS 452
- ☐ CS 454
- ☐ CS 456
- ☐ CS 457

☐ [Depth](#) – The depth requirement is automatically met by the required ECE courses.

- ☐ 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

³Three additional courses labeled ACTSC, AMATH, CO, PMATH, STAT, excluding the following:

- Courses with requisites normally excluding Honours CS students
- Courses cross-listed with a CS course
- Courses explicitly listed in CS major plans as alternatives to CS courses
- Reading and Topics courses
- ACTSC 221, CO 353, CO 380, CO 480

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.