Computing Science Major Requirements (54)

Foundation Courses

- ☐ CMPUT 174 - Introduction to the Foundations of Computation I (See Note 1)
- ☐ CMPUT 175 - Introduction to the Foundations of Computation II (See Note 1)
- ☐ MATH 125 - Linear Algebra I

3 units from:
MATH 134 - Calculus for the Life Sciences I
MATH 144 - Calculus for the Mathematical and Physical Sciences I
MATH 154 - Calculus for Business and Economics I _____

3 units from:
MATH 136 - Calculus for the Life Sciences II
MATH 146 - Calculus for the Mathematical and Physical Sciences II
MATH 156 - Calculus for Business and Economics II _____

3 units from:
STAT 151 - Introduction to Applied Statistics I
STAT 235 - Introductory Statistics for Engineering
STAT 265 - Probability and Statistics I _____

Senior Courses

6 units from:
CMPUT 201 - Practical Programming Methodology (See Note 1)
CMPUT 204 - Algorithms I
CMPUT 229 - Computer Organization and Architecture I
CMPUT 272 - Formal Systems and Logic in Computing Science _____
CMPUT 291 - Introduction to File and Database Management _____

3 units from:
CMPUT 200 - Ethics of Data Science and Artificial Intelligence
CMPUT 300 - Computers and Society _____

3 units from:
STAT 252 - Introduction to Applied Statistics II
STAT 266 - Probability and Statistics II _____

18 units from:
CMPUT at the 300 and/or 400-level

_____
_____
_____
_____
_____
_____

6 units from:
CMPUT at the 400-level

_____
_____

- ☐ COMM
- ☐ COMM
- ☐ IND
- ☐ BO___
- ☐ BO___
- ☐ BSBS
- ☐ BSFS
- ☐ BSSS
- ☐ LAB

Notes

1. Students may replace CMPUT 174 with CMPUT 274, and CMPUT 175 with CMPUT 275. Students who take CMPUT 275 cannot take CMPUT 201 for credit, and must replace CMPUT 201 with another CMPUT course at the 200-level or above.
2. Upper level CMPUT courses may require specific CMPUT, MATH or STAT courses as prerequisites. These prerequisites must be considered when choosing Science options.