

You can find multiple choice review questions in D2L under: **Assessments->Quizzes**

Short answer 3 (theory type question):

JT's hint: Before looking at the answer make a real attempt at providing an answer. If you are drawing a blank then it indicates that you need to study the material from lecture as well as looking at the in class notes that you should be taking as you are following along in class. You will get far more out of the process if you try it out as if you were writing an actual exam question rather than just directly looking at the answer.

(The discussion is on the next page)

Original calendar description:

3 units from Computer Science 219, 233 or 235; and 3 units from Mathematics 249, 265 or 275; and Philosophy 279 or 377; and Computer Science 251; or Statistics 213 and Mathematics 271 or 273.

Department prerequisite description:

3 units from Computer Science 219, 233 or 235; and Computer Science 251; and 3 units from Mathematics 249, 265 or 275; and Philosophy 279 or 377.

Department added note to perquisites:

Computer Science 251 can be replaced by a combination of Statistics 213 and one of Mathematics 271 or 273.

The parts that correspond in the original vs. department are color-coded. The part that is problematic in the original is highlighted in yellow.

Computer Science 251; or Statistics 213 and Mathematics 271 or 273.

According to precedence rules (you were taught these in the branching/decisions portion of the course) “AND” is evaluated prior to “OR”):

Must take these two courses

Statistics 213 and Mathematics 271

Then one has choices between these three groups

(Group 1: CPSC 251)

OR

(Group 2: Statistics 213 and Mathematics 271)

OR

(Group 3: Mathematics 273)

Unfortunately University of Calgary regulations expressly prohibit use of brackets (JT: don't ask why I think it's a dumb rule) but here's the order grouped using brackets:

(Computer Science 251) OR (Statistics 213 AND Mathematics 271) OR (Mathematics 273)

Here's what our department wanted for prerequisite listing for the last part:

(Computer Science 251) OR (Statistics 213) OR (Mathematics 271)
OR Mathematics 273)

If you are a computer science major you are required to take CPSC 351. You may be skeptical that something as important as a calendar description could get so messed but here's an actual screen grab from the 2023 – 2024 version of the calendar description as shown in the PeopleSoft portal.

portal.my.ucalgary.ca/psp/paprd/EMPLOYEE/SA/c/SA_LEARNING_MANAGEMENT.SS_FACULTY.GBL

UNIVERSITY OF CALGARY

Tam, Ja

Dashboard All about me My work Academic Around campus

Enrollment Information

Enrollment Requirements 3 units from Computer Science 219, 233 or 235; and 3 units from Mathematics 249, 265 or 275; and Philosophy 279 or 377; and Computer Science 251; or Statistics 213 and Mathematics 271 or 273.

Class Attributes Fee Rate Group(Domestic) - A
Fee Rate Group(International) -A
GFC Hours (3-2T)

Class Restrictions

Restriction Nbr	Start Date	End Date	Reserved Seats	Description
1	2024/03/01	2024/07/23	125	Restricted to CPSC-MAJ and CPSC-CN1 only
2	2024/07/23	2024/08/20	124	CPSC MAJ/CN/MIN & BINF MAJ/MIN only

Class Availability

Class Capacity	125	Wait List Capacity	50
Enrollment Total	125	Wait List Total	50
Available Seats	0		

Notes

Subject Notes Note: In several cases, credit is not allowed for Computer Science courses and various courses offered by the Faculty of Engineering. Students who have successfully completed Engineering courses should contact the Department of Computer Science for additional information.

Description

Probability spaces, random variables, expectation, independence, concentration bounds, conditional probability, repeated trials, error bounds. Turing machines and finite automata. Deterministic, nondeterministic and probabilistic models of computation. Languages, regular languages and regular expressions. Methods for classifying computational problems as decidable or undecidable.

Prerequisite(s): 3 units from Computer Science 219, 233 or 235; and 3 units from Mathematics 249, 265 or 275; and Philosophy 279 or 377; and Computer Science 251; or Statistics 213 and Mathematics 271 or 273.

Antirequisite(s): Credit for Computer Science 351 and Computer Science 313 will not be allowed.

Textbook/Other Materials

Textbook Assignment Pending (assignments not shown to students)