

Dynamic Schedule: Visit [Minerva Class Schedule](#)

https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched for course dates & times.

McGill.ca (<https://www.mcgill.ca>) / Overview (/study/2022-2023/) / All Courses (/study/2022-2023/courses/search)

COMP 330 Theory of Computation (3 credits)

Offered by: Computer Science ([Faculty of Science \(/study/2022-2023/faculties/science\)](#))

Overview

Computer Science (Sci) : Finite automata, regular languages, context-free languages, push-down automata, models of computation, computability theory, undecidability, reduction techniques.

Terms: Fall 2022, Winter 2023

Instructors: Panangaden, Prakash (Fall) Crepeau, Claude (Winter)

- 3 hours
- Prerequisite: [COMP 251 \(/study/2022-2023/courses/comp-251\)](#).

This course may be used as a required or complementary course in the following programs:

[Bachelor Engineering \(B.Eng.\) - Co-op in Software Engineering \(/https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-co-op-software-engineering\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Computer Science \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-computer-science\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Computer Science \(/https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-computer-science\)](#)

[Bachelor of Arts and Science \(B.A. & Sc.\) - Honours Cognitive Science \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-computer-science\)](#)

22-
2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-honours-cognitive-science)

Bachelor of Arts and Science
(B.A. & Sc.) - Interfaculty
Program Cognitive Science
(https://www.mcgill.ca/study/20

22-
2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-interfaculty-program-cognitive-science)

Bachelor of Science (B.Sc.) -
Honours Computer Science
(https://www.mcgill.ca/study/20

22-
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-computer-science)

Bachelor of Science (B.Sc.) -
Honours Computer Science
and Biology.
(https://www.mcgill.ca/study/20

22-
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-computer-science-and-biology).

Bachelor of Science (B.Sc.) -
Honours Mathematics and
Computer Science
(https://www.mcgill.ca/study/20

22-
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-computer-science)

Bachelor of Science (B.Sc.) -
Honours Mathematics and
Computer Science
(https://www.mcgill.ca/study/20

22-
2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-mathematics-and-computer-science)

Bachelor of Science (B.Sc.) -
Honours Physics and
Computer Science
(https://www.mcgill.ca/study/20

22-
2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-physics-and-computer-science)

Bachelor of Science (B.Sc.) -
Honours Software Engineering

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-software-engineering)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-software-engineering](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-software-engineering))

[Bachelor of Science \(B.Sc.\) - Honours Statistics and Computer Science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-statistics-and-computer-science))

[Bachelor of Science \(B.Sc.\) - Liberal Program - Core Science Component Computer Science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-computer-science)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-computer-science)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-computer-science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-computer-science))

[Bachelor of Science \(B.Sc.\) - Liberal Program - Core Science Component Software Engineering](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-software-engineering)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-software-engineering)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-software-engineering](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-software-engineering))

[Bachelor of Science \(B.Sc.\) - Major Computer Science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science))

[Bachelor of Science \(B.Sc.\) - Major Computer Science - Computer Games](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-computer-games)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-computer-games)

[2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-computer-games](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-computer-games))

[Bachelor of Science \(B.Sc.\) - Major Computer Science and Biology](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-biology)

[https://www.mcgill.ca/study/2022-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-biology)

[2023/faculties/science/undergraduate/programs/bachelor-](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-computer-science-biology)

[science-bsc-major-computer-science-and-biology](#))

[Bachelor of Science \(B.Sc.\) - Major Mathematics and Computer Science](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics-and-computer-science>)

[Bachelor of Science \(B.Sc.\) - Major Software Engineering](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-software-engineering>)

[Bachelor of Science \(B.Sc.\) - Major Statistics and Computer Science](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science>)

[Bachelor of Science \(B.Sc.\) - Minor Cognitive Science](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-cognitive-science>)



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