

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 302 Programming Languages and Paradigms (3 credits)

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

Overview

Computer Science (Sci) : Programming language design issues and programming paradigms. Binding and scoping, parameter passing, lambda abstraction, data abstraction, type checking. Functional and logic programming.

Terms: Fall 2022, Winter 2023

Instructors: Errington, Jacob (Fall) Errington, Jacob (Winter)

- 3 hours
- Prerequisite(s): [COMP 250 \(/study/2022-2023/courses/comp-250\)](#) and ([MATH 240 \(/study/2022-2023/courses/math-240\)](#) or [MATH 235 \(/study/2022-2023/courses/math-235\)](#) or [MATH 318 \(/study/2022-2023/courses/math-318\)](#) or [COMP 230 \(/study/2022-2023/courses/comp-230\)](#) or [PHIL 210 \(/study/2022-2023/courses/phil-210\)](#))

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 \(B.A.\) - Major Concentration Software](#)

Engineering
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-software-engineering>)

Bachelor of Arts and Science (B.A. & Sc.) - Honours Cognitive Science
(<https://www.mcgill.ca/study/2022-2023/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/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-interfaculty-program-cognitive-science>)

Bachelor of Arts and Science (B.A. & Sc.) - Major Concentration Software Engineering
(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-and-science-ba-sc-major-concentration-software-engineering>)

Bachelor of Engineering (B.Eng.) - Minor Computer Science
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-minor-computer-science>)

Bachelor of Engineering (B.Eng.) - Minor Software Engineering
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-minor-software-engineering>)

Bachelor of Science (B.Sc.) - Honours Computer Science
(<https://www.mcgill.ca/study/2022-2023/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/2022-2023/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/2022-2023/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/2022-2023/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/2022-2023/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/2022-2023/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>).

Bachelor of Science (B.Sc.) - Liberal Program - Core Science Component Computer Science
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergr>

[aduate/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>)

[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>)

[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>)

[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-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 Physics and Computer Science](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-physics-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>)

[22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-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)

[22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-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)

[22-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-cognitive-science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-cognitive-science))




Visit *Minerva Class Schedule* for **course dates & times**

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