

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 567 Discrete Optimization 2 (3 credits)

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

Overview

Computer Science (Sci) : Formulation, solution and applications of integer programs. Branch and bound, cutting plane, and column generation algorithms. Combinatorial optimization. Polyhedral methods. A large emphasis will be placed on modelling. Students will select and present a case study of an application of integer programming in an area of their choice.

Terms: This course is not scheduled for the 2022-2023 academic year.

Instructors: There are no professors associated with this course for the 2022-2023 academic year.

- 3 hours
- Prerequisites: [COMP 566 \(/study/2022-2023/courses/comp-566\)](#) or [MATH 417 \(/study/2022-2023/courses/math-417\)](#)

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

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

[Doctor of Philosophy \(Ph.D.\) Computer Science](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/doctor-philosophy-phd-computer-science>)

[Master of Science \(M.Sc.\) Computer Science \(Non-Thesis\)](#)
(<https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/master-science-msc-computer-science-non-thesis>)

[22-2023/faculties/science/graduate/programs/master-science-msc-computer-science-non-thesis\)](https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/master-science-msc-computer-science-non-thesis)

[Master of Science \(M.Sc.\)
Computer Science \(Thesis\)
\(https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/master-science-msc-computer-science-thesis\)](https://www.mcgill.ca/study/2022-2023/faculties/science/graduate/programs/master-science-msc-computer-science-thesis)




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