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# COMP 462 Computational Biology Methods (3 credits)

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

## Overview

Computer Science (Sci) : Application of computer science techniques to problems arising in biology and medicine, techniques for modeling evolution, aligning molecular sequences, predicting structure of a molecule and other problems from computational biology.

### Terms: Fall 2022

Instructors: Blanchette, Mathieu (Fall)

- 3 hours
- Prerequisites: [COMP 251 \(/study/2022-2023/courses/comp-251\)](#), and [MATH 323 \(/study/2022-2023/courses/math-323\)](#) or [MATH 203 \(/study/2022-2023/courses/math-203\)](#) or [BIOL 309 \(/study/2022-2023/courses/biol-309\)](#)
- Restriction: Not open to students who have taken or are taking [COMP 561 \(/study/2022-2023/courses/comp-561\)](#).

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

[Bachelor of Engineering \(B.Eng.\) - Bioengineering](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-bioengineering>)

[Bachelor of Engineering \(B.Eng.\) - Minor Biomedical Engineering](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/engineering/undergraduate/programs/bachelor-engineering-beng-minor-biomedical-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 \(B.Sc.\) -  
Major Computer Science and  
Biology](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-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 Statistics and Computer  
Science](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-statistics-and-computer-science)  
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[Bachelor of Science \(B.Sc.\) -  
Minor Interdisciplinary Life  
Sciences](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-interdisciplinary-life-sciences)  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-minor-interdisciplinary-life-sciences>)

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(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-science-bsc-minor-interdisciplinary-life-sciences>)




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