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# COMP 547 Cryptography and Data Security (4 credits)

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

## Overview

Computer Science (Sci) : This course presents an in-depth study of modern cryptography and data security. The basic information theoretic and computational properties of classical and modern cryptographic systems are presented, followed by a cryptanalytic examination of several important systems. We will study the applications of cryptography to the security of systems.

### Terms: Fall 2022

Instructors: Crepeau, Claude (Fall)

- 3 hours
- Prerequisites: [COMP 360 \(/study/2022-2023/courses/comp-360\)](#) or [COMP 362 \(/study/2022-2023/courses/comp-362\)](#), [MATH 323 \(/study/2022-2023/courses/math-323\)](#).

*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>)

[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>)



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