

**Dynamic Schedule:** Visit [Minerva Class Schedule](#)[https://horizon.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](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)

# MATH 340 Discrete Mathematics (3 credits)

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

## Overview

Mathematics & Statistics (Sci) : Discrete Mathematics and applications. Graph Theory: matchings, planarity, and colouring. Discrete probability. Combinatorics: enumeration, combinatorial techniques and proofs.

### Terms: Winter 2023

Instructors: Norin, Sergey (Winter)

- Winter
- Prerequisites: [MATH 235 \(/study/2022-2023/courses/math-235/\)](#) or [MATH 240 \(/study/2022-2023/courses/math-240/\)](#) or [MATH 242 \(/study/2022-2023/courses/math-242/\)](#).
- Corequisites: [MATH 223 \(/study/2022-2023/courses/math-223/\)](#) or [MATH 236 \(/study/2022-2023/courses/math-236/\)](#).
- Restriction: Restriction: Not open to students who have taken or are taking [MATH 350 \(/study/2022-2023/courses/math-350/\)](#).

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

[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 Mathematics](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics>)

Bachelor of Arts (B.A.) - Major  
Concentration Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-major-concentration-mathematics>)

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Bachelor of Arts (B.A.) - Minor  
Concentration Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-minor-concentration-mathematics>)

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Bachelor of Arts (B.A.) - Minor  
Concentration Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-minor-concentration-mathematics>)

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Bachelor of Arts (B.A.) -  
Supplementary Minor  
Concentration in Computer  
Science  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-computer-science>)

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Bachelor of Arts (B.A.) -  
Supplementary Minor  
Concentration in Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-mathematics>)

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Bachelor of Arts (B.A.) -  
Supplementary Minor  
Concentration Statistics  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics>)

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Bachelor of Arts (B.A.) -  
Supplementary Minor  
Concentration Statistics  
(<https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-ba-supplementary-minor-concentration-statistics>)

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Bachelor of Commerce  
(B.Com.) - Major  
Concentration Mathematics for  
Management Students  
(<https://www.mcgill.ca/study/2022-2023/faculties/desautels/undergraduate/programs/bachelor-commerce-bcom-major-concentration-mathematics-management-students>)

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Bachelor of Education (B.Ed.)  
- Secondary Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/education/undergraduate/programs/bachelor-education-bed-secondary-mathematics>)

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

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Bachelor of Science (B.Sc.) -  
Honours Biology - Quantitative  
Biology  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-biology-quantitative-biology>)

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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>)

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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>)

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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-science-component-computer-science>)

core-science-component-computer-science)

Bachelor of Science (B.Sc.) - Liberal Program - Core Science Component Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-mathematics>)

Bachelor of Science (B.Sc.) - Liberal Program - Core Science Component Statistics  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-liberal-program-core-science-component-statistics>)

Bachelor of Science (B.Sc.) - Major Biology - Quantitative Biology  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-biology-quantitative-biology>)

Bachelor of Science (B.Sc.) - Major Biology and Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-biology-and-mathematics>)

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 Mathematics  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics>)

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>)

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

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



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