

**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 427 Statistical Quality Control (3 credits)

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

### Overview

Mathematics & Statistics (Sci) : Introduction to quality management; variability and productivity. Quality measurement: capability analysis, gauge capability studies. Process control: control charts for variables and attributes. Process improvement: factorial designs, fractional replications, response surface methodology, Taguchi methods. Acceptance sampling: operating characteristic curves; single, multiple and sequential acceptance sampling plans for variables and attributes.

**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.

- Prerequisites: [MATH 203 \(/study/2022-2023/courses/math-203/\)](#) or equivalent, and [MATH 204 \(/study/2022-2023/courses/math-204/\)](#) or [MATH 324 \(/study/2022-2023/courses/math-324/\)](#).

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

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

[Bachelor of Arts \(B.A.\) - Major Concentration Statistics \(/https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-arts-ba-major-concentration-statistics/\)](#)

[Bachelor of Arts \(B.A.\) - Major Concentration Statistics \(/https://www.mcgill.ca/study/2022-2023/faculties/basc/undergraduate/programs/bachelor-arts-\)](#)

[ba-major-concentration-statistics](#)

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

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

[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>)

[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>)

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

[Bachelor of Science \(B.Sc.\) - Honours Probability and Statistics](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/arts/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics>)

[Bachelor of Science \(B.Sc.\) - Honours Probability and Statistics](#)  
(<https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-honours-probability-and-statistics>)

[Bachelor of Science \(B.Sc.\) -  
Liberal Program - Core  
Science Component Statistics  
\(https://www.mcgill.ca/study/2022-  
2023/faculties/science/undergr  
aduate/programs/bachelor-  
science-bsc-liberal-program-  
core-science-component-  
statistics\)](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 Mathematics  
\(https://www.mcgill.ca/study/2022-  
2023/faculties/science/undergr  
aduate/programs/bachelor-  
science-bsc-major-  
mathematics\)](https://www.mcgill.ca/study/2022-2023/faculties/science/undergraduate/programs/bachelor-science-bsc-major-mathematics)

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

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




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Class Schedule  
([https://horizon.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched))

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