

MATH 123. LINEAR ALGEBRA AND PROBABILITY.

Credits: 3

Offered by: Mathematics and Statistics (Faculty of Science)

Terms offered: Fall 2025, Winter 2026

View offerings for Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Geometric vectors in low dimensions. Lines and planes. Dot and cross product. Linear equations and matrices. Matrix operations, properties and rank. Linear dependence and independence. Inverses and determinants. Linear programming and tableaux. Sample space, probability, combination of events. Conditional probability and Bayes Law. Random sampling. Random variables and common distributions.

- 3 hours lecture, 1 hour tutorial.
- Restriction(s): Not open to students who have taken or are taking MATH 133 or CEGEP objective 00UQ or equivalent.
- Open to Faculty of Management students only.
- Offered by the Faculty of Science. Students intending to pursue the major program or one of the minor programs offered by the Department of Mathematics and Statistics in the Faculty of Management should take MATH 133 instead.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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