

What Can I Do With My Major?

Mathematics



$$E_2 - E_1 + E_x;$$
$$\frac{(a-5)^2}{5|a|}$$
$$\sqrt[4]{4} \sqrt[3]{13^n}$$
$$\{x_n\} \subset \mathbb{R}$$
$$\lim_{n \rightarrow \infty} \frac{n^2 - x}{3}$$
$$Z_n - g_1$$
$$X_n \in \mathbb{N} \rightarrow \mathbb{R}_0$$
$$\{x_n + y_n\}$$
$$0 \leftrightarrow y_n + D$$
$$y_n$$
$$5x$$
$$x + \frac{3n-4}{n^2-2n+2}$$

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Why Study Mathematics at UPEI?

Mathematics is the language of technology. Persons at the forefront of mathematics are an important component of our progress as a society. Mathematical methods and models are of central importance in physical sciences, biological sciences, business, computer science, economics and behavioural sciences. The work of mathematicians falls into two broad classes—theoretical (pure) mathematics and applied mathematics.

Adapted from www.upei.ca/programs/mathematics



Career Possibilities

Some careers may require further education

- Aerospace Mathematician
- Data Analyst
- Environmental Mathematician
- Logistics Analyst
- Market Analyst
- Math Professor
- Operations Research Analyst
- Quantitative Analyst
- Software Engineer
- Statistician



Top Transferable Skills

Problem-solving skills require the ability to define, clarify and recognize problems. Effective problem-solving is integral to processes such as applying theory to test hypotheses and find solutions.

Analysis requires comparing information and data to help categorize, perceive patterns and relationships and evaluate ideas – a critical part of examining evidence.



Top Transferable Skills

Communication skills require the ability to communicate abstract concepts, translate information, explain complex issues, report findings/results, processes and data interpretation.

Critical thinking skills require the ability to analyze and interpret information, compare and interpret data, develop critical evaluations, and think independently to synthesize ideas.



Mathematics Related Resources

[Canadian Mathematical Society](#)

[International Group for the Psychology of Mathematics Education](#)

[Mathematical Association of America](#)

[National Council of Teachers of Mathematics](#)

[Society for Canadian Women in Science and Technology](#)

[The Canadian Applied and Industrial Mathematics Society](#)

[The International Commission on Mathematical Instruction](#)

Thanks For Reading!

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