

# MATHEMATICS

## AT THE UNIVERSITY OF MANITOBA



### RESEARCH AREAS

- **Analysis:**

Approximation Theory, Complex Analysis, Functional Analysis, Harmonic Analysis, Operator Theory, Ordinary and Partial Differential Equations

- **Applied Mathematics:**

Mathematical Biology, Mathematical Modelling, Numerical Analysis

- **Discrete Mathematics/Algebra:**

Associative Rings, Combinatorics, Computer Algebra, Group Theory, Invariant Theory, Matrix Theory, Spectral Graph Theory

- **Foundations:**

Model Theory

- **Geometry/Topology:**

Algebraic Geometry, Differential Geometry, Low Dimensional Topology, Symplectic Geometry

The mathematics department offers studies leading to Masters or Ph.D. degrees. Students will normally work in one of the general areas listed.

For more specific information and to apply online, check out our department website at [www.math.umanitoba.ca](http://www.math.umanitoba.ca) or email [mathematics\\_dept@umanitoba.ca](mailto:mathematics_dept@umanitoba.ca)

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Faculty of Science



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