The Department of Mathematics and Statistics is an active and diverse unit. The Department’s academic programs lead to BSc, BSc Honours, MSc, and PhD degrees in a wide range of areas. The four main undergraduate programs are: Mathematics, Statistics, Actuarial Science, and Applied Mathematics & Statistics.

A combined program in Computer Science and Mathematics is also an option, and there is a five-year double degree (BSc/BEd) program in Mathematics and Mathematics Education. There is also a combined Statistics and Ecominics program. Internship and cooperative work-study programs, as well as opportunities for summer research work, provide undergraduates with a chance to gain professional experience while studying.

Most of the 24 academic staff members of the Department are engaged in fundamental research. Of the 19 faculty members eligible for federal tri-council grants, 13 hold NSERC Discovery Grants, making the Department one of the most successful of the University’s academic units in national tri-council funding competitions. Moreover, the University of Regina has been a full member of the Pacific Institute for the Mathematical Sciences (PIMS) since 2007.
THE DEPARTMENT OF MATHEMATICS AND STATISTICS OFFERS THE FOLLOWING ACADEMIC PROGRAMS:

- Diploma in General Science
- BSc Mathematics
- BSc Hons Mathematics
- BSc Combined Computer Science/Mathematics
- BSc Hons Combined Computer Science/Mathematics
- BSc Statistics
- BSc Applied Mathematics/Statistics
- BSc Combined Statistics/Economics
- BSc Actuarial Science
- Certificate in Statistics

CAREER POSSIBILITIES

- Account Manager
- Actuary
- Applied Mathematician
- Biostatistician
- Budget Analyst
- Buyer
- Clinical Data Coordinator
- Contracts Specialist
- Cryptologist
- Data Analyst
- Economist
- Epidemiology
- Industry Analyst
- Information Technology
- Investment Analyst
- Market Analyst
- Materials Management
- Pure Research

COURSE HIGHLIGHT

ACSC 390AD - Topics in Property & Casualty Insurance
This class is intended to give students an introduction to Property and Casualty insurance and actuarial applications with respect to P&C insurers in Canada. Topics will be selected from the following: Products and Marketplace, Regulatory and Legal Environments, Underwriting, Actuarial Pricing models, Actuarial Valuation models, and Financial Reporting.

MATH 495AE - Introduction to von Neumann algebras
In this course we introduce von Neumann algebras and we emphasize connections with ergodic&group theory. We present constructions of von Neumann algebras from groups&actions; explain how group theoretical aspects (e.g. amenability) and orbit equivalence are connected to von Neumann algebras. We assume no background except basic knowledge of real analysis.

STAT 485 - Design and Analysis of Experiments
Theory and application of analysis of variance for standard experimental designs including blocked, nested, factorial, Latin square, and split-plot designs; fixed and random effects; multiple comparisons; analysis of covariance.

RECOMMENDED FIRST YEAR COURSES

- Computer Science 110
- English 100
- English 110
- Mathematics 102
- Mathematics 110
- Mathematics 111
- Mathematics 122
- Mathematics 221
- Statistics 160
- Any one elective or Natural Science course

*Always check that you meet course prerequisite requirements.

HIGH SCHOOL ADMISSION REQUIREMENTS FOR THE FACULTY OF SCIENCE

5 Grade 12 courses including:

- English A30
- English B30
- Pre-Calculus 30

and at least two of :

- Biology 30
- Calculus 30
- Chemistry 30
- Computer Science 30
- Physics 30

A High School Average of 70% across these five courses is required.

Note: Students who are missing a course, or who have an average between 65% and 69.9% are eligible for the Faculty of Science Qualifying Program.