MINOR IN STATISTICS

Mathematics and statistics are not only powerful problem-solving tools, but also highly creative fields of studies that combine imagination with logic, and precision with intuition.

Mathematics is much more than numbers! Its basic goal is to reveal and model general patterns to help explain our world, whether they be found in electrical impulses in the human nervous system, the evolution of animal populations in their habitats, fluctuations in stock-market prices, or electronic communications. Mathematics reaches far beyond science and engineering into medicine, business and the social sciences.

Advances in mathematics and statistics lie behind many discoveries that are now part of our daily lives, such as MRI scanners, digital compression of music and video, secure electronic communications, data mining, genomic algorithms, futures pricing, and many other innovations.

The Department of Mathematics and Statistics offers Honours, majors and minors both in mathematics and in statistics. Our Honours program in statistics is accredited by the Statistical Society of Canada, allowing graduates to earn the A.Stat. professional designation. Moreover, the Department offers a joint honours program in mathematics and economics, a joint honours program in mathematics and computer science, as well as a multidisciplinary program in financial mathematics and economics. All our honours programs also include the co-operative education option.

This program is offered in English and in French.

Program Requirements

The table below includes only discipline-specific courses. Please refer to the Academic Regulations (https://www.uottawa.ca/about-us/policies-regulations/academic-regulations/b-2-program-studies/) for information on including a minor to your degree.

Requirements for this program have been modified. Please consult the 2022-2023 calendars (http://catalogue.uottawa.ca/en/archives/) for the previous requirements.

Compulsory Courses
MAT 2342 Introduction to Applied Linear Algebra 3 Units
MAT 2371 Introduction to Probability 3 Units

Optional Courses
One option from the following: 6 Units

Option 1:
MAT 1320 Calculus I
MAT 1322 Calculus II

Option 2:
MAT 1330 Calculus for the Life Sciences I
MAT 1332 Calculus for the Life Sciences II

3 course units from: 3 Units
MAT 1341 Introduction to Linear Algebra
MAT 1302 Mathematical Methods II

3 course units from: 3 Units
MAT 2375 Introduction to Statistics
MAT 2379 Introduction to Biostatistics

9 course units from: 2 9 Units
MAT 3172 Foundations of Probability