

# Carleton

Department of Mathematics and Statistics

507-222-4360

Welcome,

Congratulations on being accepted to Carleton! As Chair of the Department of Mathematics and Statistics, I am happy to hear about your interest in mathematics or statistics, and I am writing to tell you a little about [our department](#), including our departmental newsletter, the [MAST Messenger](#).

Our department has majors in both [Mathematics](#) and [Statistics](#), as well as a [minor](#) in Mathematics and a brand new minor in Statistics and Data Science. With 11 mathematicians, 5 statisticians and 2-3 yearly visiting [faculty](#), we are able to offer a wide variety of courses in both subjects each term. Our regular course offerings in [mathematics](#) go beyond what you might expect from an undergraduate program, both in depth (we have courses like Galois Theory and Real Analysis II) and in breadth (we have courses like Computational Mathematics and Differential Geometry). Every year we have special mathematics seminars on topics like Mathematics of Climate, Mathematics and Democracy, and Introduction to Analytic Number Theory. Our course offerings in [statistics](#) also go beyond what you might expect from a standard undergraduate program, with regular course offerings at the introductory level in both Statistics and Data Science, more advanced courses in Statistical Inference and Probability, and electives such as Time Series, Spatial Statistics, and Bayesian Statistics. We also offer a course in [Statistical Consulting](#), where students collaborate with community partners on statistics and data science projects.

Outside the classroom, students enjoy our vibrant [colloquium series](#) and each year several of our majors study off campus in Hungary in the [Budapest Semesters in Mathematics program](#). We also have a variety of opportunities to engage in [problem solving](#), math modeling, data analytics, and [summer research](#).

Our department is actively committed to building and sustaining a community in which everyone feels welcome, especially people from groups who have historically been underserved by the mathematics and statistics world. Faculty members individually mentor all majors within the department, welcoming them into the mathematics and statistics community both locally and nationally and helping them find their place in it. We have two student-led groups, [GeMMS](#) (a community to support gender minorities in math and stats) and [Integration BIPOC](#) (a community to support math and stats students who are Black, Indigenous, or People of Color) that help to foster a sense of belonging within our department.

Our majors who want to continue their education after Carleton find their degrees serve them well. Recent math majors have gone to math Ph.D. programs at CalTech, Minnesota, Dartmouth, Cornell, and more. Recent statistics majors have done doctoral work in Statistics, Biostatistics or Data Science at Harvard, Washington, Michigan, Minnesota, Stanford, and more. Data from 2013-2022 show that Carleton ranks third among liberal arts colleges in the number of graduates who earn doctoral degrees in mathematics and statistics. There are also exciting career opportunities for majors who don't wish to pursue graduate studies. Careers of recent alumni include social policy research, transportation engineering, sports analytics, business consulting, financial analysis, software development, and secondary math education.

Perhaps the most important thing our department can offer you, though, is the expertise, energy, enthusiasm, and dedication of our faculty. It is a lot of fun to teach here, and we try to make it just as much fun for our students. We will challenge you, help you when you need it, and enjoy getting to know you. If you have questions or comments about our program, please email me at [rfjones@carleton.edu](mailto:rfjones@carleton.edu).

Sincerely,



Rafe Jones  
Professor of Mathematics  
Chair of Mathematics and Statistics

