



Mathematics and Statistics

College of Arts and Sciences

Degree Options

Bachelor of Science in Mathematics
 Actuarial Sciences
 Applied Mathematics
 Mathematics Teaching
 Statistics
 Theoretical Mathematics

Minors

Mathematics
 Statistics

Program Strengths

- WSU's internship program places students at Boeing Corporation, Pacific Northwest National Laboratory, and other national labs and companies.
- Join a math, science, and engineering community residence hall—share classes with your neighbors, study together, get free tutoring, and use the hall's computer lab.
- The Owen Science and Engineering Library subscribes to more than 200 math journals and there are 15,000 volumes in the math section of the library.
- Work with department faculty on research projects.
- The department maintains strong computing facilities that are readily available for students.
- Several department scholarships are available. Scholarship application information can be found at www.math.wsu.edu

Career Options

Actuary
 Business management
 Data analysis
 Finance
 Mathematician
 Mathematics research and education
 Engineering
 Government research
 National security
 Operations research
 Biostatistics
 Epidemiology
 Computer scientist
 Consultant
 College teaching
 Medical school
 Law school
 Statistician

Certification Requirements

Cumulative GPA 2.0 or higher
 Must complete Math 171, 172, and 220 before applying for certification
 Math core GPA of 2.5 or higher. Those with a GPA under 2.5 will be determined on a case-by-case basis.

Suggested Classes for Freshmen

All math majors take the same set of core courses as a foundation for the degree. You may sign up for the course(s) given that you have met the proper prerequisites, which include either the appropriate ALEKS placement score, transfer credit, or AP credit. A quick overview of the courses:

Math 171, 172: Calculus I and II
 Math 220: Linear Algebra
 Math 273: Calculus III

Suggested Classes for Transfer Students

Math 300: Mathematical Computing
 Math 301: Mathematical Reasoning
 Math 315: Differential Equations
 Math 360: Probability and Statistics
 Math 401: Introduction to Math Analysis

Core Courses

Math 171 & 172: Calculus I & II
 Math 220: Introductory Linear Algebra
 Math 273: Calculus III
 Math 300: Mathematical Computing
 Math 301: Mathematical Reasoning
 Math 315: Differential Equations
 Math 360: Probability and Statistics
 Math 398: Mathematical Snapshots
 Math 401: Introduction to Math Analysis

AP Exam	Score	WSU Equivalency
Calculus AB	2	Placement into Math 140, 171
	3, 4	Math 171
	5	Math 171, 172
Calculus BC	2	Math 171
	3, 4, 5	Math 171, 172

Student Clubs

- **Math Club:** You don't have to be a math major to join. The club gives both graduate and undergraduate students an opportunity to use and improve their mathematics skills and to learn more about advancements and opportunities in the fields of mathematics. The group invites guest speakers to talk about interesting aspects of mathematics, or provide career advice.
- **PreToM Club:** The Preservice Teachers of Mathematics Club gives WSU students studying math education an opportunity to use and improve their teaching and mathematical skills, learn about the profession, and attend teachers' conferences.
- **WSU National Math Modeling Team:** Prepare and compete as part of interdisciplinary teams in regional and international math modeling competitions.
- **Putnam Team:** Students work with faculty to prepare for the annual William Lowell Putnam Mathematical Competition -- an annual competition for undergraduate students in North America.
- **Actuarial Science Club:** Students work together to prepare for the actuarial exams, edit their resumes, practice job interviews, and network. Students travel to visit insurance companies and financial institutions.

Other reasons to study mathematics

- Mathematics is excellent preparation for law school. In fact, mathematics majors are the highest scorers on the LSAT.
- Mathematics majors have high acceptance rates to medical school.
- Mathematics is excellent preparation for business school: mathematics majors are the highest scorers on the GMAT.
- Mathematician, Actuary, Data Scientist, and Statistician are often ranked among the top ten jobs.
- In many surveys, Mathematician is ranked first as the career with the greatest job satisfaction.

For more information:

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Notes: