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 / Scientist
Finance
Mathematician
Mathematics research and education
Engineering
Government research / national laboratories
National security
Operations research
Biostatistics
Epidemiology
Computer scientist
Consultant
College and secondary school teaching
Medical school
Law school
Statistician
Law enforcement

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

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<th>AP Exam</th>
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<tr>
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<td>3, 4, 5</td>
<td>Math 171, 172</td>
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**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.

- 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.

- 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.

**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:**