Mathematics

Program Overview
A university degree with a major in mathematics is highly regarded for many reasons.

Studying mathematics increases critical thinking skills and sharpens logic, precision, and accuracy. Contemporary mathematics provides the underlying basis and structure for modern scientific and technological developments. Math majors gain problem solving and analytical skills in a broad array of applications, from space flight trajectories to life insurance tables. Mathematical analysis is broadly applicable to many fields, from accounting to zoology. Many professional opportunities are open to mathematicians from well-known choices such as teaching, to working as statisticians or data scientists in government or industry. Because of the rigorous training in logic, various seemingly unrelated graduate and professional schools (such as law schools) regard people with a math major quite favorably. Modern sciences, whether natural, biological, social, or engineering, are so infused with mathematical concepts that if you are studying these areas, you should consider a minor or a second major in mathematics to greatly enhance your employment opportunities.

Why a Math Major at HSU?
We offer a strong yet flexible curriculum emphasizing both the beauty and utility of mathematics. Our small upper division classes provide many opportunities for you to interact with your professors. We have an active and engaged mathematical community, with a weekly speaker series featuring well-known invited guest speakers each semester and a vibrant Math Club. We encourage our students to participate in a number of local math competitions (such as the Integration Bee) as well as national competitions, such as the Putnam Exam and the Mathematical Contest in Modeling.

Career prospects for mathematicians are excellent. The Bureau of Labor Statistics forecasts a 22% employment growth for mathematicians from 2008 to 2018, a growth that outpaces the average for all occupations. To facilitate your transition from the undergraduate program to a career or a graduate school, our department has started a closer collaboration with the HSU Academic and Career Advising Center.

Bachelor of Arts
concentrations available
Applied Mathematics
Mathematics
Mathematics Education

Minors
Applied Mathematics
Applied Statistics
Mathematics

Related Careers
Actuary
Air pollution Specialist
Applied Science
Programmer
Banker
Cartographer
Computer Analyst
Computer Programmer
Demographer
Economic Analyst
Financial Investment Analyst
Geodesist
Mathematician
Mathematics Consultant
Mathematics Teacher
Operations Research Analyst
Public Health Statistician
Salary/Wage Administrator
Statistical Methods Analyst
Statistician
Systems Analyst

Careers listed may require additional education.

For more information about careers & employers, see the Mathematics Career Guide.

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2017-18 academic year

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