

MATHEMATICS



Prepare for graduate school in

- Mathematics
- Statistics
- Data Analytics
- Engineering
- Law
- Business
- Pharmacy



What can I do with this major?

Students with degrees in mathematics currently have careers as:

- Actuary
- Computer analyst/programmer
- Cryptographer
- Data Analyst
- Economist
- Market research analyst
- Mathematician
- Meteorologist
- Middle or High school mathematics teacher
- Operations Research Analyst
- Statistician
- Systems analyst

Median pay for mathematicians: **\$103,010**

- U.S. Bureau of Labor Statistics

Focused curriculum

The mathematics program at HPU provides courses and research opportunities that will introduce students to the beauty and power of mathematics. Students build skills in problem solving and deductive and analytical reasoning - skills that are in high demand in many of today's most sought-after career fields.

Why a math degree?

Jobs within the mathematical sciences consistently rank among those with highest job satisfaction ratings. In 2018, CareerCast ranked the best and worst jobs in America according to five factors: environment, income, employment outlook, physical demands and stress. Of the top ten jobs listed, six require significant mathematical training. The top spot went to actuaries.

Graduates that hold math degrees are in high demand by a wide variety of employers. Why? Studying mathematics develops just the skills these employers are looking for. These include abstract thinking, problem solving, analyzing data, rigorous and logical thought and creating and analyzing mathematical models. Employers know that someone who holds a math degree has learned something far more valuable than a series of facts: they have learned how to think.

With a bachelor's degree in mathematics from HPU, you can build the skills necessary to begin a career in mathematical modeling, finance, statistics, mathematics education, computer science, actuarial science, cryptology, biotechnology or in a wide variety of analyst jobs within government agencies such as the National Security Agency or the U.S. Department of Defense. Those who want to continue their academic studies can move on to graduate school in mathematics or related fields, such as computer science, finance, economics or operations research.

Why should I major in mathematics at HPU?

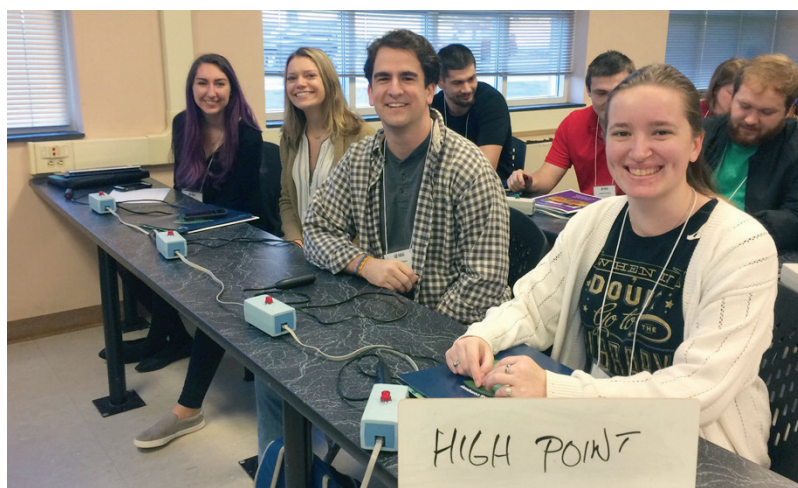
- HPU's Department of Mathematical Sciences offers both a B.A. and a B.S. in mathematics as well as related degrees in mathematical economics, actuarial science and data analytics and statistics. In mathematics, the B.A. offers more flexibility for students wishing to double major in another field. The B.S. provides a solid foundation for success as a mathematician and as preparation for graduate school.
- Careers in mathematics consistently outrank finance, engineering, law and medicine in job satisfaction ratings.
- Mathematics majors tend to have the highest graduate admissions test scores on exams, such as the LSAT and the GMAT.
- Studying mathematics develops the skills employers seek. These include abstract thinking, problem solving, analyzing data, rigorous and logical thought and creating and analyzing mathematical models. Employers know that someone who holds a math degree has learned something far more valuable than a series of facts: they have learned how to think.
- Employment of mathematicians is projected to grow much faster than average for all occupations through 2025.

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Extraordinary outcomes

Our mathematics graduates have succeeded in a variety of career and graduate school options after completing their degrees at HPU. We have students entering industries such as education, finance, government contracting, and business. Our students have also been accepted to graduate programs at these institutions:

- Appalachian State University
- Boston University
- Carnegie Mellon University
- Clemson University
- Columbia University
- Cornell University
- Duke University
- Emory University
- Florida State University
- George Mason University
- Georgetown University
- Georgia Institute of Technology
- Indiana University
- Louisiana State University
- New York University
- Northwestern University
- University of California at Berkeley
- University of California at Los Angeles
- University of California at Riverside
- University of California at San Diego
- University of California at Santa Barbara
- University of Florida
- University of Georgia
- University of Kentucky
- University of Maryland
- University of Miami
- University of North Carolina at Chapel Hill
- University of South Carolina
- University of Toronto
- University of Utah
- Vanderbilt University
- Virginia Polytechnic Institute and State University
- Wake Forest University
- William and Mary
- York University



Innovative learning

The math program at HPU is not limited to the walls of the classroom. Each year, students attend conferences which expose them to a wide array of research in mathematics. Students present their own undergraduate research projects, attend presentations by other students and faculty, and network with those from other universities. Above, math majors Alexis Newton, Joanna Fass, Isaac Shore, and Sarah Poiani compete at a Math Jeopardy tournament held at a regional conference in 2018.

Meet Ben

Hometown: Asheville, N.C.

Major: Mathematics and Physics

Minor: Computer science

Career: Research Associate for Bellomy Research, Inc.

Campus Involvement: Club Swim Team, University Ambassador, Resident Assistant, Assistant Resident Director, Math, Actuarial and Computer Science Club (MACS), Society of Physics Students, Honors Program

Leadership Positions: Captain of the Club Swim Team, Captain University Ambassador, President of MACS Club, Treasurer of the Society of Physics Students

Internship: iOS Development for the EconApps Project

Why I Chose HPU: "I chose to attend HPU because my sister was a current student and she gave me a lot of insight as to what HPU stood for. From my sister's testaments, I realized that HPU would support me throughout my college career and aide in my character development through the outstanding faculty, immense involvement opportunities and drive to succeed."

