

MATHEMATICAL ECONOMICS

An innovative pairing

Economics is no longer as simple as "supply and demand." Economics is becoming an increasingly technical field that now makes use of almost every area of mathematics. A solid background in mathematics will give those wishing to excel in economics-related professions a distinct advantage over the competition.

What can I do with this major?

- Actuary
- Bank examiner
- Budget analyst
- Data analyst
- Economist
- Financial analyst
- Market research analyst
- Statistician

What does the future hold?

HPU graduates in mathematical economics have completed graduate programs in economics and in business, but most go straight into the corporate world. Recent graduates have pursued professional opportunities with the following employers:

- 4FRONT
- AOL
- BWC Consulting
- Cisco Systems
- Citizens Bank
- FI Consulting
- Guggenheim Investments
- Ketchum
- Ladenburg Thalmann
- Prudential Financial
- Signet
- Willis Towers Watson

Median pay for economists:

\$102,490

Unique Curriculum

The Department of Mathematical Sciences at HPU offers a B.S. in mathematical economics for students wishing to study the deep interplay between mathematics and economic theory. Techniques mastered in mathematics and statistics courses provide the tools necessary to gain a rich understanding of economic models and the confidence to apply mathematics to real world applications.

Why should I major in mathematical economics?

- For the B.S. in mathematical economics, students take courses in mathematics, economics and statistics. They engage with faculty with expertise in each of these disciplines.
- Students gain a deeper understanding of economics by learning the mathematical and statistical techniques used in economic analysis.
- Many mathematical economics majors choose to engage in undergraduate research during their senior year. They work together with faculty in mathematics, statistics, or economics to provide an analysis of an economic topic of their choosing.
- Our robust set of courses in mathematics and statistics differentiates graduates as they enter into the corporate world. Employers know students are well versed in abstract thinking and problem solving at a high level.

Meet Andrew

Hometown: Devon, Ga.

Major: B.S. in Mathematical Economics and a minor in Business Administration

Post Graduation Plans: As an associate licensed banker at Citizens Bank in East Norriton, Pennsylvania, Lopez will have the opportunity to engage with customers to fully understand their financial needs. This includes helping customers with their saving, spending and borrowing needs, as well as helping them plan for retirement.

How HPU Helped Him Get There: "HPU has given me the opportunity to build lasting connections. Whether it be with professors, peers or faculty. You have the ability to find your own niche at HPU because it has the atmosphere of a small school with the benefits of a large university."



Meet Kelsey

Hometown: Howell, N.J.

Major: Mathematical Economics

Internship: Thomas Built Buses – A Daimler Company

"I was the product planning intern that helped to align company products to increase revenue while bringing down the cost of the actual item. During the internship, I was placed on three separate projects: the beginning stages, middle stage and end stages. I was able to research the specific items being used and reviewed data analytics to understand where the company could be better spending their money or saving on certain products."

How did HPU help get you there?: "I earned this internship by applying through the Leadership Development Program at HPU's Office of Career and Professional Development. HPU established a relationship with this company to offer internship opportunities to current students. I went through a showcase, a networking dinner and an interview which I was prepared for by HPU's Office of Career and Professional Development."



ECOSYSTEM OF SUPPORT



For more information about HPU's Mathematical Economics Program, contact: