MATHEMATICS

Actuarial science major • Applied mathematics major • Engineering major • Pure mathematics major • Quantitative analysis major • Mathematics minor • Quantitative methods minor

100%
of our students complete an internship or undergraduate research.

The field of mathematics is represented in many of the Top 100 Best Jobs as reported by U.S. News & World Report. As a mathematics major at Franklin College, you will have the opportunity to prepare for a thriving career in one of the most applicable disciplines in the modern workforce. You will learn critical thinking and complex problem solving in addition to core mathematics skills, all while receiving support from professors who are setting the national standard for mathematics education.

SCAN
to learn more

THE CLASSROOM EXPERIENCE

Combining mathematics education with real-world application

The Franklin College mathematics curriculum is academically rigorous, holistic and highly practical, integrating a mix of core mathematics education with additional training in highly transferable skills like collaboration, communication, presenting and problem solving. Our curriculum is underpinned by an immersive approach that introduces real-world technology, preparing students to work with tools used in the field today.

The department offers five areas of study, allowing students to specialize in preparation for a specific career field. Major options include:

- **Pure mathematics:** Provides a broad skill set, relevant in data analysis, strategic planning and any field involving mathematical and statistical problem solving
- **Applied mathematics:** Focuses on the relationship between mathematics and adjacent scientific disciplines including computer science, chemistry and physics

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FRANKLIN COLLEGE

Mathematics majors apply their skills in practical settings, through courses that task students with completing client research, empowering them to solve real-world problems and gain experience in statistical consulting and big data analysis.

- **Actuarial science:** Focuses on the role of mathematics, statistics and business skills in risk management, specifically in financial and insurance settings
- **Quantitative analysis:** Explores the relationships between math and business disciplines including marketing, finance and economics
- **Engineering Program** – Earn two degrees in five years through our dual-degree cooperative program with Marian University. The 4+1 program leads to an applied mathematics degree from Franklin College and an engineering degree (chemical, civil, or mechanical) from Marian University.

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OUTSIDE THE CLASSROOM

Internships and undergraduate research

Every Franklin College mathematics major completes at least one internship; often times those internships lead to full-time employment upon graduation. Past mathematics majors have interned with:

- Cummins
- Salesforce
- Caterpillar
- The Hagerman Group
- Federal Bureau of Investigation
- Lincoln Financial
- Quality Mill Supply
- OneAmerica
- Roche

Mathematics majors also frequently pursue independent studies and research, completing analyses like whether lane assignments impact international swimming events and how freshman math placement pertains to a student's long-term academic success. These projects equip students with additional experience and tangible outcomes to demonstrate in interviews, propelling them forward in the search for their career.

POST-GRADUATION

Excellent track record of graduate school or job placement

More than 95 percent of mathematics majors since 2010 have secured full-time employment or have been accepted to graduate school within six months of graduation. While most mathematics majors go directly into the industry, equipped with a well-honed and applicable skill set, many students choose to pursue advanced degrees in statistics, economics, mathematics, analytics or law. Graduates who go directly into the field have secured jobs working as data scientists, business analysts, actuaries and mathematicians.

DEPARTMENT OVERVIEW

- **Nationally recognized program:** Franklin College's innovative math program was selected by the American Mathematical Society as the recipient of the 2019 Award for an Exemplary Program or Achievement in a Mathematics Department. Franklin College is the first college or university in Indiana, and only the 14th college or university in the country, to be honored with this award.
- **Department contact information:** Read more about the program at **FranklinCollege.edu/mathematics** or contact Stacy Hoehn, Ph.D., professor of mathematics, at 317.738.8865 or **shoehn@FranklinCollege.edu.**

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