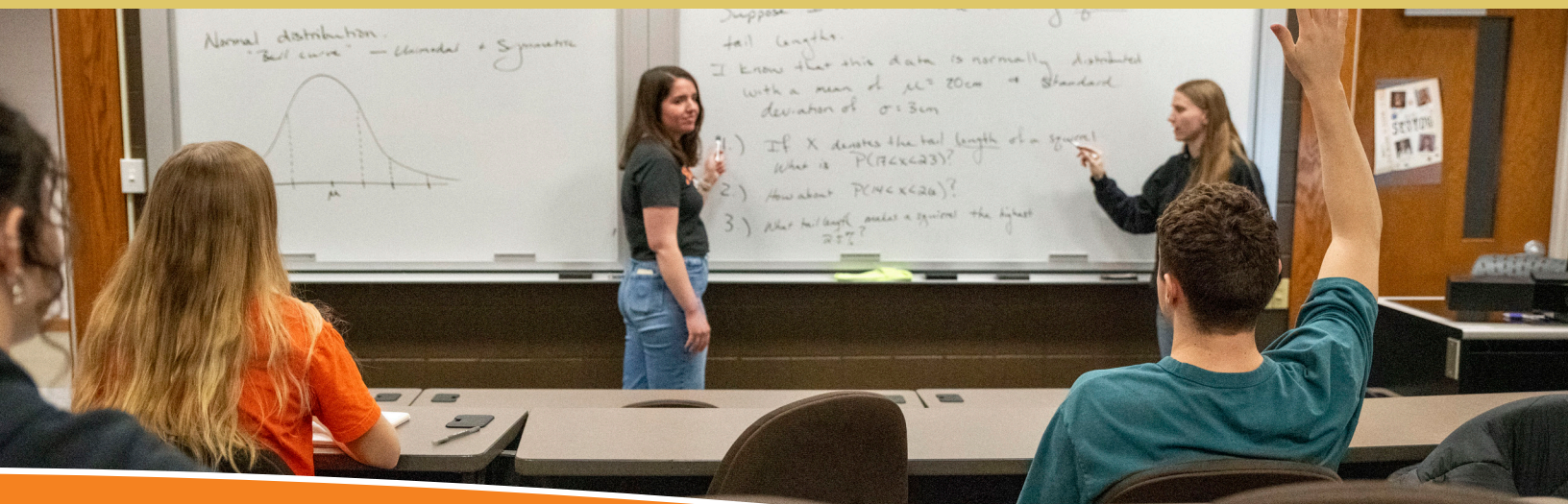




MATHEMATICS

ON-CAMPUS AND ONLINE COURSES AVAILABLE



University of Findlay

Program Overview

The world needs mathematicians... as actuaries, analysts, data scientists, modelers, and cryptographers. Industries such as manufacturing, banking, technology, market research, and healthcare rely on individuals with math skills to support research and development as well as day-to-day operations.

Employment of mathematicians and statisticians is projected to grow 33 percent from 2020 to 2030, according to the U.S. Department of Labor.

As a student working toward a Bachelor of Science in Mathematics, or if you just love pure math, you'll experience an interactive approach to learning and an opportunity to be an active member of the Euler Math Club. The University of Findlay math majors have been employed in many different roles like data scientists, actuaries, analysts, software engineers, and many more career paths. Love the idea of teaching? We make it easy to double major in math and education. You can graduate in four years ready to teach!

Emphasis Options

- Actuarial Science
- Operations Research
- Engineering Science
- Data Science / AI
- Computer Science
- Pure Mathematics

Program Highlights

Undergraduate research opportunities available - University of Findlay students have published new mathematical results, investigated and built three-dimensional kaleidoscopes, used statistical modeling to predict NFL success from college statistics, and all study the mathematical concepts used throughout the sciences, engineering, and industry.

Impressive job and graduate school placement rates - Graduates of Findlay's Mathematics Program land jobs with Fortune 500 companies, government agencies, major insurance companies, and in high schools across the United States. Graduates also have 100 percent job and graduate school placement.

Strong mentorship and 1:1 advising - In addition to having a high faculty to student ratio, at Findlay, undergraduates have the opportunity to work in research projects directly with faculty.

WHY MATHEMATICS?

Math drives the world. It is the foundation of computer security, data science, economic analysis and so much more. With a 100 percent job placement rate, a degree in Mathematics from the University of Findlay allows you to drive change in any field you are passionate about.

ABOUT OUR FACULTY

UF faculty provide students with a strong foundation that equips mathematics majors to apply their analytical, problem-solving, and reasoning skills to learning both inside and outside of the classroom utilizing UF internships, co-operative education, and professional networking opportunities.

12:1*

Student:Faculty
Ratio ensures
small classroom
support

100%

Job and
Graduate
School
Placement

28K

UF
global
alumni
network

RECENT GRADS WERE HIRED AT THESE COMPANIES AND OTHERS LIKE THEM

NASA



GOODYEAR

Whirlpool
CORPORATION



GE Aerospace

OAK RIDGE
National Laboratory

PROGRESSIVE

SAMPLE CURRICULUM

Mathematics Core

Calculus I	4 hrs	Calculus III	4 hrs	Digital Literacy for the Sciences	3 hrs
Calculus II	4 hrs	Intro to Discrete Mathematics	4 hrs	Introductory Python Programming	3 hrs
		Linear Algebra	3 hrs		

Data Science

Principles of Speech	3 hrs	Ethics and Technology	3 hrs	Management Information Systems	3 hrs
Introduction to Technical Communication	3 hrs	Mathematical Modeling	3 hrs	Intergrated Statistical Analytics OR Data MiningMethods of Business Analytics	3 hrs
SQL & Business Intelligence Tools for Decision Making	3 hrs	Topics in Mathematics	3 hrs	Choose two courses from the following	
Statistical Methods of Business		Probablility and Statistics	3 hrs	Financial Mathematics	3 hrs
Analytics	3 hrs	Fundamentals of Accounting Information	3 hrs	Applied Operations Research	3 hrs
Data Mining Methods of Business Analytics	3 hrs	Introduction to Economic Thinking	3 hrs	Operations Management	4 hrs
		Speadsheet Design	3 hrs		

Actuary Science

Applied Statistics & Data Analysis	3 hrs	Computer Software Design II	3 hrs	Choose one course from the following	
Differential Equations	3 hrs	Principles of Financial Accounting	3 hrs	Concepts & Foundations of Mathematics	3 hrs
Mathematical Modeling	3 hrs	Principles of Managerial Accounting	3 hrs	Abstract Algebra	3 hrs
Financial Mathematics	3 hrs	Principles of Macroeconomics	3 hrs	Topics in Mathematics	3 hrs
Probability & Statistics	3 hrs	Principles of Microeconomics	3 hrs	Real Analysis	3 hrs
Spreadsheet Design	3 hrs	Principles of Management	3 hrs		
Introductory Java Programming	3 hrs	Management Information Systems	3 hrs		
Introduction to Unix	1 hr	Corporate Finance	3 hrs		
Computer Software Design I	3 hrs				

Operations research

Applied Statistics & Data Analysis	3 hrs	Applied Operations Research	3 hrs	Choose one course from the following	
Differential Equations	3 hrs	General Physics I w/ Lab	4 hrs	Concepts & Foundations of Mathematics	3 hrs
Mathematical Modeling	3 hrs	Logistics & Supply Chain Management		Modern Geometry	3 hrs
Probability & Statistics	3 hrs	Techniques	3 hrs	Topics in Mathematics	3 hrs
Introductory Java Programming	3 hrs	Operations Management	3 hrs	Real Analysis	3 hrs
Computer Software Design I	3 hrs				

Computer Science

Applied Statistics & Data Analysis	3 hrs	Introductory Java Programming	3 hrs	Choose one course from the following	
Differential Equations	3 hrs	Introduction to Unix	1 hr	Concepts & Foundations of Mathematics	3 hrs
Mathematical Modeling	3 hrs	Computer Software Design I	3 hrs	Modern Geometry	3 hrs
Abstract Algebra	3 hrs	Computer Software Design II	3 hrs	Topics in Mathematics	3 hrs
Probability & Statistics	3 hrs	Web Page Development	3 hrs	Real Analysis	3 hrs
Spreadsheet Design		SQL Programming	3 hrs		
OR Database Applications	3 hrs	Data Structures	3 hrs		

Engineering Science

Applied Statistics & Data Analysis	3 hrs	Geographic Information Systems	3 hrs	Choose one course from the following	
Differential Equations	3 hrs	General Physics I with Lab	4 hrs	Concepts & Foundations of Mathematics	3 hrs
Mathematical Modeling	3 hrs	General Physics II with Lab	4 hrs	Abstract Algebra	3 hrs
Modern Geometry	3 hrs			Topics in Mathematics	3 hrs
General Chemistry I with Lab	4 hrs			Probability & Statistics	3 hrs
General Chemistry II with Lab	4 hrs			Real Analysis	3 hrs
Intro to Geology	3 hrs				

Pure Mathematics

Concepts & Foundations of Mathematics	3 hrs	Probability & Statistics	3 hrs	Choose one course from the following	
Abstract Algebra	3 hrs	Real Analysis	3 hrs	Differential Equations	3 hrs
Modern Geometry	3 hrs			Mathematical Modeling	3 hrs
				Topics in Mathematics	3 hrs
				Discrete Structures	3 hrs

