

# MATHEMATICS

### WHAT IS MATHEMATICS?

Do you like solving puzzles and problems? Did you ace your mathematics classes in high school? Are you intrigued by how technology computes various mathematical measures? Develop your problem-solving skills with a degree program directed by the Department of Mathematics. Learn how the principles of the various fields in Mathematics work together to help you create innovative solutions to varied riddles. While you earn your degree at FHSU, you will apply mathematics to a variety of issues, from data collection to mathematical theory.

### RELATED CAREER TITLES

Accountant	Community College/Financial	Data Processor/Navigator	Government Support Specialist
Accountant, Public Practice	Compensation/Benefits	Database Manager	Hydro Geologist
Actuary	Computer Applications Engineer	Demographer	Hydrologist
Administrator	Computer Consultant	Econometrician	Industrial/Institutional Buyer
Aerodynamics Specialist	Computer Engineer	Economist	Information Scientist
Aerospace Engineer	Computer Facilities Manager	EDP Auditor	Insurance Underwriter
Air Traffic Control Specialist	Computer Installation	Education Mathematic Specialist	Inventory Control Specialist
Analytical Statistician/Engineer	Computer Marketing	Engineer	Investment Analyst
Applications Programmer/Ecologist	Computer Programmer	Engineering Lab Technician	Investment Banker
Applied Science Technologist	Computer Scientist	Environmental Statistician	Investment Manager
Artificial Intelligence Programmer	Computer-Aided Design Technologist	Environmental Technologist	ISO 2000 Specialist
Astronomer	Consultant	Estate Planner	Junior High School Business/Industry
Auditor	Contract Administrator	External Auditor	Lawyer
Banking/Credit	Control Systems Engineer	Factorial & Insurance	Loan Officer
Benefits Specialist/Statistician	Cost Estimator/Analyst	Financial Analyst	Management Accountant
Biomedical Engineer	Credit Analyst	Financial Auditor	Market Research Analyst
Biometrician/Biostatistician	Credit Officer	Financial Consultant	Math/Computers
Cartographer	Cryptographer/Cryptologist	Financial Investment Analyst	Mathematical Statistician
College Professor	Data Analyst	Financial Manager	Mathematician
Commodity Manager	Data Control Administrator	Financial Planner/Demographer	Mathematics Editor

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### RELATED CAREER TITLES (CONTINUED)

Mathematics Teacher	Professional Securities Officer	Risk & Insurance Specialist	Systems Programmer
Media Buyer	Professor	Risk Analyst	Tax Investigator
Memorial Designer	Programmer	Robotics Programmer	Teacher: Science/Math
Meteorologist	Psychometrician	Sales Representative	Teaching Systems Engineer
Mortgage Researcher	Public Health Statistician	Satellite Communications	Technical Writer/Communicator
National Security Agent	Public/Private School Teacher	Secondary School/Engineering Analyst	Theoretical Statistician/Fluid Dynamics Analyst
Network Programmer	Purchasing/Contract Agent	Securities Broker	Tool & Die Maker
Numerical Analyst/Operations Analyst	Quality Assurance Analyst	Software Development	Transportation Planner
Operations Manager	Quality Control Manager	Software Engineer	Treasury Management
Operations Research Analyst	Rate Analyst	Software Support Specialist	Trust Officer
Operations Researcher	Relations Specialist	Statistical Clerk	Underwriter
Physicist	Research Analyst	Statistics Technical Writer	Urban Planner
Pollution Meteorologist	Research Associate	Systems Analyst	Value Engineer
Production Meteorologist	Research Professional	Systems Engineer	Weight Analyst

### TRANSFERABLE SKILLS

Concentrates for long periods of time	Makes sound judgments & decisions to solve quantitative problems	Possesses proficiency for accurate detail
Conducts & clearly explains scientific research	Mathematical modeling and statistician simulation	Problem solving at various levels of ability
Identifies the mathematical essence of a "real" problem	Organization and interpretation of data	Programming and computing
Makes critical observations	Organizes, analyses & interprets numerical data	Writes, speaks & memorizes proficiently

Attainment and demonstration of [NACE Career Readiness Competencies](#) help prepare for a successful transition into the workplace.

### CONTACT FOR INFORMATION INTERVIEWS

Department of Mathematics - Rarick Hall 356 - 785.628.4240

### RELATED CAREER EXPLORATION LINKS

Career Services: <https://www.fhsu.edu/career/>

Occupational Outlook Handbook: <http://www.bls.gov/ooh/>



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