What I Can Do With a Major In...

MATHMATICS

The Mathematics major prepares students for graduate study in mathematics, mathematical physics, or a related area that relies heavily upon theoretical mathematics. Eventual employment opportunities for persons with this background include teaching and research at the college or university level or being a member of a research team in government or industry. The Department has a rich history of graduates who have been successful in graduate school and subsequent academic and research careers.

Associated Job Titles:
Actuary
Accountant
Aerospace Engineer
Auditor
Mathematician
Physician
Navigator
Operations Research Analyst
Psychometrician
Teacher
College Professor
Statistician
Financial Planner
Meteorologist
Pharmacologist
Pharmacist
Nuclear Scientist
Surveyor
Geologist
Hydrologist

Associated Skills:
Understanding of mathematical theories
Ability to make sound judgments
Ability to solve quantitative problems
Proficiency in writing, speaking, and memorization
Ability to organize, analyze and interpret mathematical data
Ability to conduct and explain scientific research
Proficiency in the use of computers
Ability to work alone and concentrate for long periods of time

Associated Personal Qualities:
Persistence
Patience
Detail-oriented
Intellectual
Scientific
Achievement
Self-discipline
Analytical thinker
Thoroughness
Appreciation for mathematical theories
Logical
Capacity for precision

Career Library Resources:
- Great Jobs for Math Majors
- Peterson’s Opportunities in Health and Science
- Opportunities in Business Management
- Peterson’s Job Opportunities in Engineering and Computer Science
- Peterson’s Job Opportunities in Business
- Opportunities in Education
- America’s Guide to Federal Jobs
- 10 Steps to a Federal Job
- What Color Is Your Parachute?
- Career Planning Today
- Majoring in the Rest of Your Life
- Do What You Are
- The Kuder Book of People Who Like Their Work
- Encyclopedia of Careers and Vocational Guidance
- The Enhanced Guide for Occupational Exploration
- The Dictionary of Occupational Titles
- The Occupational Outlook Handbook
- FOCUS Computer Guidance System

Places To Contact For More Information:
American Mathematical Society
P. O. Box 6248
Providence, Rhode Island 02940

Mathematical Association of America
1529 18th Street NW
Washington, DC 20036

Conference Board of the Mathematical Sciences
1529 18th Street NW
Washington, DC 20036

Society for Industrial and Applied Mathematics
3600 University Science Center
Philadelphia, PA 19104

Websites To Visit:
http://e-math.ams.org
www.mathworks.com
www.maa.org
www.nsf.gov
www.siam.org

Professors To Contact For More Information:
Dr. David Coulliette, Chair
Professor Laura Harrington
Dr. Duk-Hyung Lee
Dr. Towanna Roller
Dr. Delmar Searls

Nearby Employers:
Central Kentucky Research Associates, Inc.
2366 Nicholasville Rd.
Jessamine County School System
501 E. Maple St.
Fayette County Public Schools
701 E. Main St.
Sylvan Learning and Technology Center
2551 Richmond Rd.
*Addresses listed are located in the Lexington, Kentucky area unless otherwise noted.

Alumni Contacts:
Schedule an appointment with Career Services to conduct a tailored search for alumni working in the fields associated with this major.

Note: For specific information concerning course requirements of this major, please pick up a major sheet at the Registrar’s Office located in the Administration Building.

Information compiled by The Center for Career and Calling located on the second floor of Fletcher-Early, “Helping you S.O.A.R.!”

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