

mathematics



OCCUPATIONAL TITLES

- Actuary*
- Accountant*
- Researcher
- Investment Analyst
- Mathematician
- Benefits Specialist
- Statistician
- Financial Planner
- Demographer
- Computer Scientist*
- Cartographer
- Computer Programmer*
- Meteorologist
- Navigator
- Data Base Manager
- Applications Programmer*
- Ecologist
- Systems Analyst
- Biomathematician
- Computer Applications Engineer
- Biomedical Engineer *
- Control Systems Engineer*
- Operations Researcher
- Numerical Analyst
- Operations Analyst
- Teaching Systems Engineer
- Teacher
- Engineering Analyst
- Professor/Instructor
- Financial Analyst
- Technical Writer
- Analytical Statistician
- Communications Engineer
- Theoretical Statistician
- Fluid Dynamics Analyst

EMPLOYMENT SETTINGS

- Accounting firms
- Banks
- Business corporations
- Colleges and schools
- Non-profit organizations
- Data processing and information systems
- Computer industry
- Insurance agencies
- Real estate
- Securities
- Manufacturing industries
- Educational institutions

TYPICAL WORK ACTIVITIES

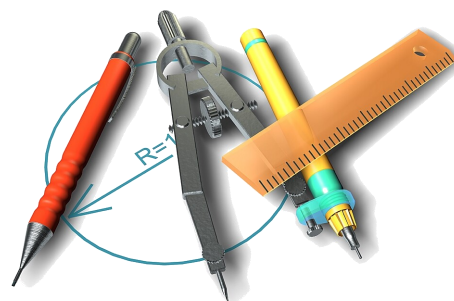
- Using good reasoning ability and persistence to identify, analyze, and apply basic principles to technical problems
- Conducting research
- Communicating with others
- Collecting and organizing data
- Paying close attention to detail

SKILLS & ABILITIES

- Identifying the mathematical essence of a problem
- Mathematical modeling and simulation
- Problem solving at various levels
- Organization and interpretation of data
- Analyzing
- Substantial knowledge of computer programming
- Programming and computing
- Applying logic to problems

RESOURCES AND INTERNET SITES

- Mathematical Sciences Department: www.iusb.edu/~math
- IU South Bend Math Club: www.iusb.edu/~sbmathclub
- Indiana Section, MAA: www.rose-hulman.edu/~rader/INMAA
- American Mathematical Society: www.ams.org
- American Statistical Society: www.amstat.org
- Mathematical Societies: www.mathunion.org/math_soc
- Computer and Mathematical Occupations: www.acinet.org/acinet/library.htm?category=3.2.5



Career Planning & Placement

(765) 973-8258 ♦ FAX: (765) 973-8288 ♦ WZ 112
2325 Chester Blvd., Richmond, IN 47374-1289
www.iue.edu/career

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