

MATHEMATICS

What can I do with this degree?

AREAS

INDUSTRY

Research
Development
Design
Data Processing
Testing
Operations

EMPLOYERS

Industries including:

Aerospace
Communications
Machinery
Electrical equipment
Pharmaceuticals
Manufacturing
Consulting
Other private industries

STRATEGIES

Note that greatest demand is for applied mathematics with skills in computer science, electronics design and theory, statistics and probability.

Gain experience working in teams.

Develop good oral and written communication skills.

Earn a master's degree in business or related field for more advanced positions.

GOVERNMENT

Federal agencies including: Defense, Labor, Justice, Agriculture, Health and Human Services, Transportation, Commerce, Treasury, NASA and Library of Congress
State agencies involving research and problem-solving teams

Become familiar with government hiring procedures.

Make contacts through involvement in campus, local, or state politics.

RESEARCH

Theoretical
Applied

Industry
Government
Universities

Develop computer and research skills.

Learn to use relevant software packages.

Plan for graduate degree in area of interest.

COMPUTERS

Computer Industry
Programming
Systems or Applications

Computer hardware and software firms

Develop advanced computer skills.

Gain knowledge of computer languages.

Get exposure to large-scale hardware or mini/micro systems.

Systems Analyst

Develop ability to listen to what customer wants.

Keep up with latest developments in computer technology.

Learn good communication skills.

Acquire programming experience.

(Math, p.2)

AREAS	EMPLOYERS	STRATEGIES
Data Processing and Information Systems	Service companies Manufacturing firms Government--federal, state and local Banking, insurance and real estate Wholesale and retail trade firms	Develop good people and communications skills. Acquire programming experience.
Software	Standard software suppliers Custom software builders Service companies	Stay current with new developments.
Hardware	Standard hardware firms	
Training	Software companies Large employers Specialized training organizations Educational book publishers	Get experience with public speaking and teaching. Learn to develop curriculums. Master technical writing skills. Acquire a graduate degree in area of interest.
<u>INSURANCE</u> Actuarial Underwriting Sales	Insurance firms	Develop computer skills. Acquire a business minor. Become treasurer of an organization. Obtain experience in fund-raising drives. Join a professional association as a student member. Find related internships.
<u>MARKET RESEARCH</u> Data Collection Information Analysis	Market research firms Consumer goods manufacturing firms	Develop good oral and written communications skills. Acquire a business minor. Volunteer to assist a professor with research. Become a student member of American Marketing Association. Assist with canvassing/phone interviewing for charities or political campaigns.

(Math, p.3)

AREAS	EMPLOYERS	STRATEGIES
<u>SECURITIES</u> Sales Research Operations	National and regional brokerage firms Discount brokerage houses Commercial banks Insurance companies Financial organizations	Plan on acquiring MBA. Get sales experience. Obtain a business minor. Join finance related student organizations.
<u>BANKING</u> Credit Lending Operations Systems Trusts	Commercial banks Regional banks Savings & Loan associations	Find a summer internship in a bank. Develop good interpersonal skills. Obtain business minor and develop computer skills. Work as cashier or teller. Become financial officer or treasurer of campus organization.
<u>EDUCATION</u>	Public schools Private schools Two-year community colleges and technical institutes Four-year colleges and universities	Need certification for public schools. Volunteer for Big Brother/Sister program, tutoring, child care centers, churches, teen counseling. Work in summer camps. Become involved in school programs: yearbook, debate, newspaper, government. Develop excellent communication skills. Acquire a master's degree. Acquire a Ph.D.