



What can I do with a major in **ACTUARIAL SCIENCE** from Valparaiso University?

Description of major:

Actuarial Science can be described as the study of the current financial implications of future contingent events. Actuaries, employed by insurance companies, consulting firms or government agencies, must have excellent quantitative reasoning skills in addition to an understanding of modern business and finance. The Actuarial Science program provides a background in the areas of mathematics, finance, statistics, and economics.

Relevant skills for an ACTUARIAL SCIENCE major:

- ◆ Ability to work with a team
- ◆ Accountability
- ◆ Appreciation for diversity
- ◆ Awareness of ethical issues
- ◆ Computer literacy
- ◆ Critical thinking and decision making skills
- ◆ Data analysis and interpretation
- ◆ Deductive reasoning
- ◆ Flexibility
- ◆ Interpersonal skills
- ◆ Leadership skills
- ◆ Listening skills
- ◆ Management skills
- ◆ Mathematical analysis
- ◆ Mathematical modeling and simulation
- ◆ Oral and written communication skills
- ◆ Organizational skills
- ◆ Problem formulation
- ◆ Problem solving
- ◆ Stress management
- ◆ Symbolic representation and interpretation
- ◆ Time management skills and others!

Sample work activities for Graduates in ACTUARIAL SCIENCE (some may require an advanced degree)

- Account executive
- Accountant
- Actuary
- Bank manager
- Bank president/VP
- Budget analyst
- Business analyst
- Chief financial officer
- CIA agent
- Correspondent banking officer
- Cost estimator
- Credit analyst
- Data analyst
- FBI agent
- Financial planner
- Financial Service officer
- Forensic statistician
- Forestry statistician
- Government statistician
- Health services statistician
- Insurance agent
- Inventory analyst
- Loan officer
- Market trader/specialist
- Mergers and acquisitions specialist
- Operations manager
- Personal/commercial lending officer
- Quality analyst
- Reliability engineer
- Researcher
- Risk analyst
- Sales broker
- Statistical consultant
- Statistical methodologist
- Statistical programmer
- Survey methodologist
- Survey statistician
- Teacher
- Treasurer
- Trust account administrator
- Trust investment office
- University professor and others

Potential hiring institutions for ACTUARIAL SCIENCE majors:

- ◆ Actuarial firms
- ◆ Business consulting firms
- ◆ Financial institutions
- ◆ Government agencies
- ◆ Insurance companies and others!

Area of further education for ACTUARIAL SCIENCE majors:

- Actuarial Science
- Applied Mathematics
- Business Administration
- Computational Sciences
- Computer Science
- Decision Science
- Economics
- Financial Engineering
- Management Information Systems
- Mathematical and Computational Finance
- Mathematics
- Operations Research
- Quantitative Analysis
- Statistics
- Systems Science
- and others!

Sources of additional information for ACTUARIAL SCIENCE majors:

- ◆ VU Department of Mathematics: <http://www.valpo.edu/acts>
- ◆ VU Majors & Areas of Study: <http://www.valpo.edu/acts/>
- ◆ Occupational Outlook Handbook: the US Bureau of Labor Statistics compiles information about various occupations, including the nature of the work, the job outlook, the earnings, and other relevant information.
<http://www.bls.gov/oco/oco1002.htm>
- ◆ Actuary: Resources for actuaries, including education and jobs. <http://www.actuary.org>
- ◆ Be An Actuary: A website dedicated to exploring a career in Actuarial Science. <http://www.beanactuary.org>
- ◆ The Society of Actuaries: <http://www.soa.org/>
- ◆ The Casualty Actuarial Society: <http://www.casact.org/>

VU Career Center Resource Library Materials:

- *Book of U.S. Government Jobs: Where They Are, What's Available, and How to Get One*
- *Career Opportunities in Banking, Finance, and Insurance*
- *Career Opportunities in Computers and Cyberspace*
- *Careers for Computer Buffs & Other Technological Types*
- *Careers for Financial Mavens & Other Money Movers*
- *Careers for Number Crunchers & Other Quantitative Types*
- *Careers in Finance*
- *GMAT 2003*
- *Graduate Admissions Essays: Write Your Way into the Graduate School of Your Choice*
- *Graduate Schools in the U.S*
- *GRE Exam 2003*
- *Great Jobs for Economics Majors*
- *Guide to America's Federal Jobs*
- *Harvard Business School Guide to Careers in Finance*
- *Harvard Business School Guide to Careers in Management Consulting*
- *Harvard Business School Guide to Careers in the Nonprofit Sector*
- *LSAT 2006*
- *Opportunities in Accounting Careers*
- *Opportunities in Banking Careers*
- *Opportunities in Computer Careers*
- *Opportunities in Financial Careers*
- *Opportunities in Insurance Careers*
- *Opportunities in Law Careers*
- *Peterson's Game Plan for Getting into Business School*
- *Peterson's Game Plan for Getting into Graduate School*
- *Peterson's Game Plan for Getting into Law School*
- *Peterson's Graduate Programs in Business, Education, Health, Information Studies, Law & Social Work*
- *Peterson's Graduate Programs in the Physical Sciences, Mathematics, Agricultural Sciences, the Environment & Natural Resources*
- *Resumes for Banking & Financial Careers*
- *Resumes for Business Management Careers*
- *Resumes for Computer Careers*
- *Resumes for High-Tech Careers*

For more information about majoring in ACTUARIAL SCIENCE, contact:

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For more questions about your career decisions, please make an appointment with a VU Career Counselor by calling 464-5005, stopping by the Career Center in Alumni Hall or e-mailing us at Career.Center@valpo.edu