



# CAREER OPPORTUNITIES FOR ACTUARIAL SCIENCE MAJORS

## SKILLS & ABILITIES OF THE ACTUARIAL SCIENCE MAJOR

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### **Analytical**

- Identify patterns and trends within complex sets of data
- Determine what factors have an effect on different sets of events

### **Computer & Math Skills**

- Knowledge of programming language
- Use and develop spreadsheets, databases, and statistical analysis tools
- Interpret data
- Principles of statistics, calculus, and probability

### **Interpersonal**

- Take leadership role on teams
- Effectively and objectively listen to team members

- Coordinate/Organize activities

- Knowledge and understanding of Cross Cultural needs

### **Problem Solving**

- Identify potential risk and determine the best way to manage those risks
- Form conclusions from information gathered
- Design, test, and administer different strategies to minimize risk and maximize profit
- Estimate probability and likely cost of potential events

### **Writing & Speaking Skills**

- Explain findings and proposals to clients, company executives, shareholders, etc.
- Create charts, tables, and reports to explain the findings of analysis

## POTENTIAL CAREERS

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### **Entry level**

- Actuary
- Financial Representative
- Insurance Risk Manager
- Investment Analyst
- Statistician

### **Advanced education and/or experience**

- Actuarial Specialist
- Logistics Coordinator
- Pharmaceutical Statistician
- Professor

### **Additional options**

- Accountant
- Credit Analyst
- Consultant
- Data Analyst
- Investment Analyst
- Insurance Risk Manager
- Insurance Underwriter
- Investment Banker
- Market Research Analyst
- Mathematician
- Production Planner
- Operations Research

## TYPES OF EMPLOYERS

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- Banking & Financial Services
- Consulting
- Education
- Health & Medicine
- Hospitality
- Information Services
- Insurance
- International Business
- Manufacturing
- Retail

### **Specific Organizations**

- Blue Cross Blue Shield
- Milliman
- Wellcare
- Pacific Global Logistics
- Well Point, Inc.
- Metlife
- Principal Financial Group
- American Modern Insurance Group
- W&S Life Insurance Company
- Marsh
- Schools
- Magazines

## RESOURCES FOR ACTUARIAL SCIENCE MAJORS

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American Insurance Association- <http://www.aiadc.org>

Council of Insurance Agents and Brokers-<http://www.ciab.com>

Careers in Insurance-<http://www.careers-in-finance.com>

Certified Financial Planner-Board of Standards-<http://www.cfp.net>

International Association of Insurance Professionals-<http://www.internationalinsuranceprofessionals.org>

O\*Net-<http://www.onetonline.org>

*Sources: Bureau of Labor Statistics, University of Iowa—Pomerantz Career Services—What Can I Do With a Major in AS*