



MAJOR

ACTUARIAL SCIENCE

Actuarial analysts apply statistical modeling and quantitative analysis to assess risk and guide data-driven decision-making across financial and business functions.

In an era where organizations must navigate financial uncertainty, actuarial science helps businesses assess risk and make informed decisions. Actuaries use mathematical and statistical methods to forecast outcomes and support industries like finance and insurance.

At UC Riverside, students build strong foundations in probability, statistics, and financial modeling while gaining experience with tools like R and Python to analyze and interpret data.

WHY UCR?

No. 1

Public University for Social Mobility
U.S. News, 2020-2026

TOP 30

Public University
Best Value Colleges

Riverside has the

5TH HIGHEST JOB-GROWTH
pace in the U.S.

38%

Students from underrepresented racial groups

54%

First-generation students

40

World-renowned research faculty members

6

Business-specific, faculty-led study abroad programs

18+

Professional business clubs



BUILD SKILLS FOR RISK & FINANCE CAREERS

Join UCR's Actuarial Science Club to explore careers in risk management, insurance, and finance. Connect with peers, learn about actuarial exams, and gain insight into real-world applications of probability, statistics, and financial modeling. Participate in workshops, info sessions, and networking opportunities designed to help you prepare for a successful actuarial career.

ACTUARIAL SCIENCE

MAJOR CAREERS

COURSES:

After completing the actuarial science core courses, you can choose among a range of electives to deepen your quantitative and analytical expertise, particularly in areas such as finance, insurance, risk management, and statistics. Our actuarial science courses include Probability and Statistical Theory, Statistical Computing with R, Financial Mathematics, and Foundations of Insurance, and will position you as a highly sought-after professional in the field of risk analysis.

BUSINESS & ACTUARIAL SCIENCE OPPORTUNITIES:

- Accounting Society at UC Riverside
- American Marketing Association (AMA)
- Association for Information Systems (AIS)
- Association of Latino Professionals in Finance and Accounting (ALPFA)
- Beta Alpha Psi
- Black Scholars in Business
- Business Entertainment Association
- Business Strategy Club (BSC)
- California Future Business Leaders of America (FBLA)
- Highlander Business Society
- Highlander Consulting Group
- Highlander Financial Group
- Latino Business Student Association (LBSA)
- Phi Chi Theta
- Programming Club
- The Actuarial Science Club
- The Product Club
- Stratos Associates
- Student Business Leadership Council (SBLC)
- Supply Chain Society
- Undergraduate Business Association (UBA)
- Women in Business

KEY SKILLS YOU'LL GAIN:

- Statistical Analysis & Probability Modeling
- Risk Assessment & Financial Forecasting
- Quantitative & Mathematical Problem-Solving
- Data Analysis (R & Python)
- Financial & Investment Analysis
- Predictive Modeling & Forecasting
- Strategic Decision-Making

CAREER OPPORTUNITIES:

Salaries for in-demand actuarial roles can range from \$70,000 – \$140,000+ in California. Salaries vary significantly based on experience, number of actuarial exams completed, industry, and location. No matter where you start, the opportunity to grow and advance in your actuarial career is substantial.

POTENTIAL CAREER PATHS:

- Actuary (Insurance)
- Actuarial Analyst
- Risk Analyst
- Investment / Financial Analyst
- Pension / Retirement Consultant
- Data Analyst (Risk & Consulting Firms)

UPPER MANAGEMENT POSITIONS:

- Chief Actuary
- Director of Risk Management
- Vice President of Actuarial Services
- Chief Risk Officer (CRO)



TOP EMPLOYERS:



Undergraduate Business Programs

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UC RIVERSIDE School of Business
A. GARY ANDERSON GRADUATE SCHOOL OF MANAGEMENT