

# Statistics

## W. P. Carey Career Management and Employer Engagement: Business degree fast facts

Businesses rely on statistics to plan, launch, analyze, and optimize short- and long-term market strategies. Involving both theoretical and applied statistics, the W. P. Carey business degree in statistics focuses on practice and applied aspects of statistics. Students will learn to draw business insights from the past, present, and future as defined by statistical analysis, and develop a skill set with real-world significance and global potential.

The business degree in statistics covers mathematical and business-focused subject matter, allowing students to explore any number of macro- and micro-level applications. This delivers

the business acumen, breadth of knowledge, and practical understanding students need to stand out from those with a pure mathematics background.

Career opportunities related to this program will depend on personal interests, courses taken, and academic and professional experiences (e.g., internships, study abroad, volunteering/service, work experience). Average starting salaries will vary greatly due to location, company, industry, experience, and benefits, but are expected to be in the range of \$40,000 to \$60,000 for W. P. Carey graduates.<sup>1</sup>

### Pursue diverse career opportunities

- Assistant actuary analyst
- Financial analyst
- Insurance agent/broker
- Market and consumer research
- Product development and testing
- Product strategy and statistical analysis
- Quality assurance manager
- Research analyst
- Risk assessment and management
- Scientific research

### Map your future in statistics

#### Consumer insight and marketing research specialist

Responsible for planning, developing, and conducting quantitative and qualitative research. Collect and analyze data on customer demographics, preferences, needs, and buying habits, then translate this information into functional requirements and prepare timely reports. Observe, receive, and obtain information from all relevant sources. Participate in design reviews throughout the product development process.

#### Associate actuary, pricing

Independently analyze pricing data, draw conclusions, and make recommendations. Prepare proposals and rate filings to participate in discussions and the decision-making process. Assist in training and mentoring newer staff. Perform competitive price analysis as needed. Analyze company and industry experience as required, report findings, and recommend actions as needed. Prepare special reports and data compilations. Maintain automated systems relevant to pricing analyses. Identify opportunities to introduce new or alternative methodologies and implement changes.

#### Statistics manager, technology

Ensure timely support for statistics/analysis team, in addition to successful delivery of technology development initiatives. Manage resources and assure stats/analytics needs are met during all quality assurance efforts. Provide guidance to development partners on business priorities. Ensure development resources are properly distributed. Build consensus on timelines, drive milestone completion, and regularly communicate initiative progress to stakeholders.

Plan, coordinate, and direct activities associated with developing project plans, communication plans, and project schedules. Be a leader on project teams through identifying and managing risk and the resolution of issues. Invest resources into testing and reporting of application developments and collaborate on testing plans and strategies. Ensure proper idea-to-production execution, provide regular feedback, and conduct performance reviews for direct reports. Take a lead role in improving processes for accurate data intake and work with the technology team as new software is developed to accomplish objectives.

## Add value to your degree

As a W. P. Carey student, your classroom experience is just one part of your preparation for a successful career. A variety of extracurricular opportunities provide you with practical, real-world experiences to complement your classroom studies.

### Business School Council (BSC)

[wpcbsc.com](http://wpcbsc.com)

An opportunity to learn, grow, and develop leadership and professional skills through greater involvement with the W. P. Carey School of Business. BSC members inform students about matters regarding W. P. Carey, represent business students to the greater ASU community, and increase student-faculty relations within W. P. Carey.

### Association for Women in Mathematics (AWM)

[asu.campuslabs.com/engage/organization/association-for-women-in-mathematics-at-asu](http://asu.campuslabs.com/engage/organization/association-for-women-in-mathematics-at-asu)

AWM at ASU is a student-run organization dedicated to closing the gender gap in mathematics. It is a group of undergraduate students, graduate students, post-docs, and professors who have come together to create and foster a strong community around girls and young women interested in mathematics.

### American Mathematical Society

[asu.campuslabs.com/engage/organization/ams-at-asu](http://asu.campuslabs.com/engage/organization/ams-at-asu)

Furthering the interests of mathematical scholarship and research, the ASU student chapter of the American Mathematical Society facilitates networking and collaboration among mathematicians at ASU and other institutions, provides opportunities for research dissemination, and engages in community outreach activities to foster STEM enrollment growth across underprivileged and underrepresented K-12 populations.

### Gamma Iota Sigma

[gammaiotasigma.org](http://gammaiotasigma.org)

Gamma Iota Sigma is an international fraternity chapter at ASU that aims to promote, encourage, and sustain student interest in insurance, risk management, and actuarial science as professions. It facilitates interaction between educational institutions and the industry through networking and fostering research activities, scholarship, and improved public relations.

### American Statistical Association (ASA)

[amstat.org](http://amstat.org)

The world's largest community of statisticians, ASA supports excellence in the development, application, and dissemination of statistical science through meetings, publications, membership services, education, accreditation, and more.

## Contact

Visit [asu.joinhandshake.com/appointments](http://asu.joinhandshake.com/appointments) to schedule an appointment with your career coach.

<sup>1</sup> National Association of Colleges and Employers Salary Survey