Statistics majors prepare students for positions in a wide range of career fields such as education, marketing, psychology, and sports. Statisticians design surveys, experiments, and opinion polls to collect data. They develop survey questionnaires or reporting forms for collecting the data they need. They also often write instructions for workers who collect and tabulate the data. Statisticians explain the limitations of the data to prevent inaccurate conclusions from being drawn, and they identify trends and relationships.

Selected Career Directions and Resources

- Government Agencies
- Consulting Firms
- Financial Firms
- Wealth Management Firms
- Corporations
- Teach for America
- Graduate Statistics School
- Colleges and University

Examples of Industries that Employ Statistics Majors/Resources

- Be an Actuary.org: www.beanactuary.org
- Job postings for Statisticians: www.stat.washington.edu/www/jobs
- Math Jobs.com: www.math-jobs.com
- Statistics in Sports: www.amstat.org/sections/sis
- Bureau of Justice Statistics: bjs.ojp.usdoj.gov
- Market Research Firms: www.marketresearchfirms.com

Associations

- Society for Industrial and Applied Mathematics: www.siam.org
- American Mathematical Society: www.ams.org/employment

Examples of Companies/Job Titles

- Agilex Technologies Inc., Quantitative Analyst
- Citigroup, Capital Market Origination Analyst
- Merck, Global Services Associate
- PepsiCo, Business and Information Solutions Associate
- PNC Financial Services, Asset Backed Securities Analyst
Examples of Companies/Job Titles (continued)
Goldman Sachs, Technology Analyst
Lockheed Martin, Operations Leadership Development Program
Morgan Stanley, Trading Analyst
The Nielsen Company, Research Analyst
Freddie Mac, Internal Audit Analyst

Skill Development
Possessing superior skills such as data collection and analysis, as well as being able to interpret the data and make decisions are helpful to have in fields commonly pursued by this major. Some occupations also require a knowledge of computer programs. Opportunities for promotion may be greater for people with a master’s degree or Ph.D. Statisticians with a master’s degree or a Ph.D. can often design their own work.

Strategies to Develop Skills
Aspiring statisticians and analysts can gain valuable experience from internships that involve gathering and analyzing data, conducting interviews and surveys, and writing reports on their findings. In addition, related experience, such as working in business or finance, can be advantageous.

Salary and Employment Trends
Most economists work fulltime, some requiring overtime. Employment of statisticians is projected to grow 14 percent from 2010 to 2020, about as fast as the average for all occupations. Growth will result from more widespread use of statistical analysis to make informed decisions. In addition, the large increase in available data from the Internet will open up new areas for analysis.

Since wages change rapidly year after year, the following links will be helpful in identifying median wages and employment trends:

ONET Online: www.onetonline.org
Occupational Outlook Handbook: www.bls.gov/ooh