Master of Professional Studies

The Master of Professional Studies (MPS) is a degree in Applied Statistics for professional careers in business, industry or government. The program can be completed in one year by a well-prepared student with the equivalent of an undergraduate degree in statistics or applied mathematics. Students with less preparation can make up missing prerequisites, while at Cornell, which will increase the time required to complete the degree requirements by one or two additional semesters.

Graduates perform statistical analysis in the following areas:
- Survey sampling
- Experimental design
- Survival analysis
- Linear and nonlinear models
- Data mining and statistical learning
- Time series and stochastic processes
- SAS programming and statistical computing
- Visualization
- Statistical modeling and analysis

Data-Centered Statistics, an option added Fall of 2008, focuses on the following areas:
- High-performance computing as it relates to statistics, data, and large (tera- or peta-scale) datasets
- Advanced statistical programming and software
- Databases: design, SQL, optimization, interfaces
- Middleware, interoperability, scripting and associated languages (PERL, PYTHON, C#, etc.)
- Cluster-, super-, and grid computing

Most Frequently Selected Fields, with average salaries

- **60%** Consulting/Marketing $60,000
- **20%** Insurance Not in US$
- **5%** Retail Not in US$
- **5%** Financial Services $60,000
- **5%** Non-Profit $40,000
- **5%** Education Not reported

Sample Job Titles
- Retirement Pension Fund Manager
- Marketing Assistant
- Corporate Strategy Manager
- Senior Data Analyst
- Statistician
- Risk Analyst
- Statistical Modeler

Response Rates

- Response Rate 100%
- Surveyed 32
- Responded 32

www.engineering.cornell.edu/postgradreport
**Geographic Location of Employed Graduates**

- **Northeast 40%**
  - Boston 20%
- **South 15%**
- **Mid Atlantic 15%**
  - NYC Metro 15%
- **St. Louis 5%**
- **International 25%**
  - (South Korea)
- **Midwest 5%**
- **West 0%**
- **Southwest 0%**
- **Mid Atlantic 15%**
- **NYC Metro 15%**
- **International 25%**

Geographic regions sum to 100 percent; city percentages are included in their region's total.

**Employers**

- AdvanceMed (2)
- BAE Systems
- Barclays
- Cornell University
- Digital Risk LLC
- Dratfield Analytics Marketing
- Epsilon
- Hyundai Fire & Marine Insurance
- Joslin Diabetes Center
- LG Electronics
- Monsanto
- Risk Management Solutions
- Samsung Insurance (3)
- Statistics Collaborative
- Trinity Partners (2)

*unless specified, employer hired one*

**Salary Statistics**

*mean annual salaries, shown in US Dollars*

- MPS Applied Statistic Masters
  - $60,000

**Signing Bonus**

- One student reported receiving a signing bonus of $5,000

**For More Information**

[www.stat.cornell.edu](http://www.stat.cornell.edu)

**Engineering Co-op & Career Services**

201 Carpenter Hall
Ithaca, NY 14853-2201
eng-career@cornell.edu
Phone: 607 255-5006