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

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

Sample Job Titles

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

Postgraduate Activities

- Employed 63%
- Still Seeking 15%
- Pursue Ph.D. 22%

Response Rates

- Response Rate 100%
- Surveyed 32
- Responded 32

www.engineering.cornell.edu/postgradreport
How Employment was found

Career Services 50%

Other 33%

Personal Contact 17%

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

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