ROBERT H. SMITH
SCHOOL OF BUSINESS

MASTER OF
QUANTITATIVE FINANCE

Acquire sophisticated data and programming skills to succeed in the quantitative careers of finance. You'll gain specialized knowledge of financial markets by combining your math, computer science or engineering skills with the latest data analytics techniques.

KEY CONCEPTS

- Numerical methods and simulation
- Financial engineering
- Credit risk modeling
- Portfolio management
- Quantitative investment
- Institutional asset management
- Fintech
- Textual analysis

INDUSTRY-SPECIFIC TOOLS

- Financial programming
- Financial data analytics
- Big data and machine learning in finance
- Risk modeling
- Python
- SAS

CAREER-TAILORED EXPERIENCES

Consulting Projects
Refine your consulting and risk management skills through working with Citibank, Fannie Mae and our other major business partners.

Global Equity Fund Management
Manage a portion of the university's endowment fund with your peers.

Solve Complex Finance Challenges
Take on financial challenges in case competitions and connect with major employers who hire our students.

PROGRAM DETAILS

STEM ELIGIBLE PROGRAM

3 OR 4 SEMESTERS

36 CREDITS

WHO SHOULD APPLY

Recent college graduates who are methodical problem solvers and highly proficient in statistics, calculus and other quantitative subject areas.

$85K

Average starting salaries of our MQF grads
(2020)

$101K

Median salary of financial analysts currently working in securities, financial investment and related industries
(Bureau of Labor Statistics, 2021)

65%

Percentage of quantitative analysts with a master's degree
(Occupational Information Network/ U.S. Department of Labor)

POTENTIAL INDUSTRIES

- Credit risk management
- Data analytics
- Economic or statistical research
- Financial advisory or consulting
- Market risk management
- Quantitative investment research
- Quantitative trading

EXPERT, WORLD CLASS FACULTY

Pete Kyle

- Wrote Kyle '85, a seminal paper lauded by Nobel laureates, and the co-creator of an entire field of finance research – market microstructure.
- Expert in market microstructure, corporate finance, asset pricing and management, and private equity.

Serhiy Kozak

- Industry award-winning capital market and asset pricing researcher.
- Expert in financial economics, asset pricing and machine learning.

GRADUATES' JOB PLACEMENTS

citi · Freddie Mac · Capital One · International Monetary Fund · RISKSPAN · EY · BlackRock · NOVANTAS

> *My consulting project was one of the key reasons why I interviewed well and finally got a job at BlackRock. Our team worked with a top-notch financial services organization using real-world data. This experience helped me to develop a practical application of my classroom work.*
>
> *— Ziying Mao, Master of Quantitative Finance '19*
> *Analyst at BlackRock*

**Data for 2020 graduates who reported their U.S. salaries to Maryland Smith's Office of Career Services.*

LEARN MORE

CALL: 301.405.2559 | **EMAIL:** SMITHMASTERS@UMD.EDU | **VISIT:** GO.UMD.EDU/MQF

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