

Master of Science ACCOUNTING

Explore how major businesses track and report their finances. You'll gain specialized knowledge of how to analyze and manage financial and tax data while meeting today's strict accounting guidelines.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Advancement toward CPA Certification

Receive one-on-one CPA advising from Maryland Smith career experts. You'll also select courses that count toward your degree and the 150-credit-hour CPA education requirement.*



Recruiter Connections

Connect with recruiters from Big Four firms and other major businesses through projects, job fairs and other unique opportunities.

**Requirement varies per jurisdiction.*

INDUSTRY-SPECIFIC TOOLS YOU WILL USE:

- Alteryx
- Automation Anywhere
- IDEA
- Microsoft SQL
- MindBridge Analytics
- Tableau

3 TRACKS: Public Accounting
Tax Analytics
Audit Analytics

2 OR 3
Semesters

30
Credits

KEY CONCEPTS EXPLORED:

- Accounting Analytics and Valuation
- Corporate and Real Estate Taxation
- Data-Driven Decision Making
- Financial Statement and Data Systems Analysis
- Information Security, Audit and Control
- Internal, External, Forensic and Automated Auditing
- International, State, Local and Individual Taxation

FACULTY PROFILES:



Lawrence Gordon

Co-creator of the Gordon-Loeb Model in Information Security

Internationally-known Scholar and Accounting Author

Expert in Cybersecurity and Managerial Accounting



Michael Kimbrough

Allen J. Krowe Teaching Award Recipient

Former CPA at PricewaterhouseCoopers

Expert in Corporate Financial Reporting and Intangible Investment Accounting

2019 STUDENT PROFILE:

306

Average GRE Score

3.4

Average Undergrad GPA

629

Average GMAT Score

69%

Women

Where Your Degree Can Take You

\$70K

Median Annual Wage for Accountants and Auditors
(Bureau of Labor Statistics, 2019)

41%

Employers Planning to Hire MSA Job Candidates
(GMAC, 2019)

FASTER THAN AVERAGE GROWTH

10%

10-Year Job Growth for Accountants and Auditors
(Bureau of Labor Statistics, 2016 - 2026)

POPULAR INDUSTRIES:

- Federal, State and Local Government
- Investment Banking
- Technical and Scientific Consulting
- International Accounting
- Payroll and Bookkeeping

POTENTIAL JOB TITLES:

- Assurance or Audit Accountant
- Corporate Accountant
- Forensic Accountant
- Risk, IT Risk and Financial Consultant
- Tax Accountant

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



“

Our professors have years of experience working with Big Four consulting firms and other major organizations. Regardless of the track you choose, they know how to incorporate key concepts, such as big data analytics, into their curriculum to keep you up to speed on the latest standards, technology and industry trends.

”

Emanuel Zur

Academic Director
Accounting



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Master of Science SUPPLY CHAIN MANAGEMENT

Receive hands-on training from supply chain experts across numerous industries. Learn how goods move across the world, negotiate business deals and become more confident in analyzing and solving the complex problems you'll face while working in this exciting global industry.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Lean Six Sigma Yellow Belt (ICYB) Certification

Obtain this certification by successfully completing the degree program and meeting all requirements set by the International Association for Six Sigma Certification.



Supply Chain Simulation

Gain exposure to simulated supply chain scenarios and learn how to manage the complex projects you'll encounter in your career.

INDUSTRY-SPECIFIC TOOLS YOU WILL USE:

- Blockchain
- Bloomberg Supply Chain Risk Management
- Llamasoft Network Design
- Microsoft Project
- Oracle
- Resilinc
- SAS
- SAP ERP Supply Chain Management

STEM Eligible Program

2 OR 3
Semesters

30
Credits

KEY CONCEPTS EXPLORED:

- Demand Planning Strategies
- Forecasting and MRP
- Global Transportation Management
- Inventory Management
- Lean Six Sigma
- Manufacturing Quality Control
- Procurement Analytics
- Project Management
- Risk Analytics
- Supplier Portfolio Management

FACULTY PROFILES:



Martin Dresner

President of the Air Transport Research Society

Expert in Air Transport Policy and Logistics Management



Phil Evers

Editor for the *Journal of Business Logistics*

Expert in Logistics Systems, Inventory Management and Intermodal Transportation

2019 STUDENT PROFILE:

1.8

Average Years of Work Experience

3.4

Average Undergrad GPA

15

Undergraduate Majors Represented

40%

Women

Where Your Degree Can Take You

\$75K

Median Annual Salary for
Logisticians in the U.S.
(Bureau of Labor Statistics, 2018)

48%

Manufacturing Employers Planning
to Hire MSSCM Job Candidates
(GMAC, 2019)

MUCH FASTER THAN AVERAGE GROWTH

93%

Job Placement Rate of Supply
Chain Management Students Three
Months after Graduating
(Universal Logistics Holdings)

POPULAR INDUSTRIES:

- Manufacturing
- Corporate Management
- Aerospace
- Federal Government
- Wholesale Trade
- Technology

POTENTIAL JOB TITLES:

- Supply Chain Consultant
- Logistician
- Global Supply Chain Associate
- Inventory Control Specialist
- Strategic Sourcing or Procurement Analyst
- Risk Management Analyst

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:

amazon.com



Deloitte.



StanleyBlack&Decker

Walmart



“

This degree will prepare you to implement widely used techniques and methods, such as Lean Six Sigma, to solve problems and improve the effectiveness and quality of the supply chain process. The program has been thoughtfully designed to give you a competitive edge in the workplace. ”

Humberto Coronado

Associate Academic Director
Supply Chain Management



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Master of Science MARKETING ANALYTICS

Discover how companies use big data to reach consumers who will grow their business. You'll learn how to analyze massive amounts of data, predict what consumers are interested in and explore how to make marketing campaigns more successful.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Datathon Competition

Use your consulting, teamwork and analytical skills to help real businesses understand their data and compete for a grand prize.



Action Learning Project Course

Analyze marketing data, report findings and provide useful business recommendations for a real-life company or organization.

INDUSTRY-SPECIFIC TOOLS YOU WILL USE:

- Python
- R
- SAS
- SQL
- Tableau

STEM Eligible Program

2^{OR} 3
Semesters

30
Credits

KEY CONCEPTS EXPLORED:

- Advanced Marketing Analytics
- Artificial Intelligence
- Consumer Analysis
- CRM & Privacy Analytics
- Machine Learning
- Market-Based Management
- Market Forecasting
- Microtargeting
- Pricing and Retail Analytics
- Text Mining

FACULTY PROFILES:



Lingling Zhang

Doctorate in Marketing from Harvard Business School

Expert in Digital Platform Strategy and Multi-Channel Marketing



Michel Wedel

Distinguished University Professor
Pepsico Chair in Consumer Science

Expert in Marketing Analytics, Eye-Tracking and Visual Marketing

2019 STUDENT PROFILE:

317

Average GRE Score

3.4

Average Undergrad GPA

665

Average GMAT Score

68%

Women

Where Your Degree Can Take You

\$67K

Average Starting Salary
of our MSMA Graduates*
(2018)

52%

Employers Planning to Hire Job
Candidates with a Master's
Degree Specializing in Analytics
(GMAC, 2019)

MUCH FASTER THAN AVERAGE GROWTH

23%

10-Year Job Growth for Market
Research Analysts
(Bureau of Labor Statistics, 2016 - 2026)

POPULAR INDUSTRIES:

- Consulting
- Advertising and Marketing
- Market Research
- Hospitality
- Media and Entertainment
- Technology

POTENTIAL JOB TITLES:

- Data Scientist
- Consumer Insights or Strategy Consultant
- Social Media Analyst
- Marketing, Business or Data Analyst
- Digital Campaign Analyst
- Web Analytics Manager

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:

facebook

Marriott
INTERNATIONAL

MERKLE

amazon.com

EY

“

You will gain key skills that help companies understand their preferences and behavior while also preserving consumer privacy. When you work with employers through an action learning project, you'll put into action what you've learned, which prepares you for success.

”

P.K. Kannan

Dean's Chair of Marketing Science



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Master of Science INFORMATION SYSTEMS

Use your critical thinking and tech skills to gain a competitive edge. You'll use the latest web technology to analyze, organize and manage valuable business information, preserve privacy and lead complex projects.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Google Analytics Challenge

Run a Google Analytics account for a business to help them understand their web traffic.



Datathon Competition

Use your consulting, teamwork and analytical skills to help real businesses understand their data and compete for a grand prize.

INDUSTRY-SPECIFIC TOOLS YOU WILL USE:

- Amazon Web Services
- Google Analytics
- Python
- SQL

STEM Eligible Program

2 OR 3
Semesters

30
Credits

KEY CONCEPTS EXPLORED:

- Artificial Intelligence
- Big Data
- Client/Server Architectures
- Data Processing and Analysis
- Database Management
- Digital Business Markets
- Healthcare Information Systems
- Project Management
- Optimization Modeling
- Simulation Modeling

FACULTY PROFILES:



Kislaya Prasad

Guest Scholar at the Center on Social and Economic Dynamics at The Brookings Institution

Expert in Data Mining, Quantitative Decision-Making and Economic Behavior



Gordon Gao

National Science Foundation's CAREER Award Recipient

Expert in Healthcare IT and Service Quality Transparency

2019 STUDENT PROFILE:

316
Average GRE Score

3.3
Average Undergrad GPA

672
Average GMAT Score

1.3
Average Years of Work Experience

Where Your Degree Can Take You

\$76K

Average Starting Salary
of our MSIS Graduates*
(2018)

92%

MSIS Students Secure
Employment within Six
Months of Graduating*
(2018)

46%

Tech Employers Planning to Hire
Job Candidates with a Master's
Degree in Information Technology
(GMAC, 2019)

FASTER THAN AVERAGE GROWTH

12%

10-Year Job Growth for
Financial Analysts
(Bureau of Labor Statistics, 2016 - 2026)

POTENTIAL JOB TITLES:

- Big Data Developer
- Data Analyst
- Product Manager
- Business Intelligence Analyst
- Data Scientist
- Risk Systems Developer

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



*Data for 2018 graduates who reported their U.S. salaries to Maryland Smith's Office of Career Services.

“

Employers value candidates who not only possess technical skills, but are also strong critical thinkers and problem solvers. Our professors will challenge you to approach workplace situations from different lenses, making you more marketable across several industries throughout each phase of your career.

”

Ilya Ryzhov

Academic Director
Information Systems



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Master of FINANCE

Acquire the state-of-the-art skills needed for a successful career in finance. Master the latest tools in corporate investment, risk management and asset allocation in a global context.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Corporate Finance and Asset Management Projects

Participate in a hands-on consulting project with a real business and propose changes to improve their processes.



Global Equity Fund Management

Manage \$500,000 of the university's endowment fund with your peers.

INDUSTRY-SPECIFIC TOOLS AND SKILLS YOU WILL USE:

- Financial Data Analytics
- Big Data and Machine Learning in Finance
- Credit Risk Modeling
- Python
- SAS

2 TRACKS: Financial Analysis and Risk Management
Asset Management

2,3 OR 4
Semesters

30
Credits

KEY TOPICS EXPLORED:

- Valuation and Business Modeling
- Venture Capital and Private Equity
- Financial Strategy
- Mergers and Acquisitions
- Corporate and Credit Risk Management
- Portfolio Management
- Quantitative Investment
- Institutional Asset Management

FACULTY PROFILES:



Cliff Rossi

Former Finance Executive at Freddie Mac, Fannie Mae and Washington Mutual

Expert in Risk Management, Bank Capital Issues and Housing Finance Reform



Pete Kyle

Former Fellow and Consultant for NASDAQ and the Presidential Task Force

Expert in Market Microstructure, Corporate Finance, Asset Pricing and Management and Private Equity

2019 STUDENT PROFILES:

314

Average GRE Score

3.5

Average Undergrad GPA

659

Average GMAT Score

48%

Women

Where Your Degree Can Take You

\$77K Average Starting Salary of our MFin Graduates* (2018)

41% Average Salary Increase of our MFin Alumni Three Years after Graduating (Financial Times, 2018)

48% Employers Planning to Hire Candidates with a Master's Degree in Finance (GMAC, 2019)

FASTER THAN AVERAGE GROWTH
11% 10-Year Job Growth for Financial Analysts (Bureau of Labor Statistics, 2016 - 2026)

POTENTIAL JOB TITLES

- Consultant
- Corporate Finance Advisor
- Corporate Risk Analyst
- Equity Research Analyst
- Financial Analyst
- Portfolio Manager
- Private Wealth Manager
- Strategy and Analytics Consultant

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



*Data for 2018 graduates who reported their U.S. salaries to Maryland Smith's Office of Career Services.

“

You will learn from our world-class research pioneers and industry practitioners who partner with leading companies and deliver a state-of-the-art curriculum. Our program continues to innovate and adapts to address ever-changing industry demands.

”

Liu Yang

Academic Director
Quantitative Finance



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Master of QUANTITATIVE FINANCE

Fast track your finance career with sophisticated quantitative and programming skills. The master's degree program in Quantitative Finance provides you with advanced knowledge of financial markets and institutions and the latest analytics techniques.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Asset Management or Risk Management Consulting Projects

Refine your consulting and risk management skills through working with Citi Bank, Fannie Mae and our other major business partners.



Global Equity Fund Management

Manage \$500,000 of the university's endowment fund with your peers.

INDUSTRY-SPECIFIC TOOLS AND SKILLS YOU WILL USE:

- Financial Programming
- Financial Data Analytics
- Big Data and Machine Learning in Finance
- Risk Modeling
- Python
- SAS

STEM Eligible Program

3 OR 4
Semesters

36
Credits

KEY TOPICS EXPLORED:

- Numerical Methods and Simulation
- Financial Engineering
- Credit Risk Modeling
- Portfolio Management
- Quantitative Investment
- Institutional Asset Management
- Fintech
- Textual Analysis

FACULTY PROFILES:



Pete Kyle

Former Fellow and Consultant for NASDAQ and the Presidential Task Force

Expert in Market Microstructure, Corporate Finance, Asset Pricing and Management and Private Equity



Russ Wermers

Allen J. Krowe Teaching Award Recipient

Expert in Securities Markets, Microfinance, Quantitative Equity Strategy and Stock Price Setting for Institutional Investors

2019 STUDENT PROFILES:

315
Average GRE Score

3.5
Average Undergrad GPA

659
Average GMAT Score

58%
Women

Where Your Degree Can Take You

\$101K

Average Salary of MQF Graduates Working in Securities, Financial Investment and Other Related Industries
(Bureau of Labor Statistics, 2018)

48%

Employers Planning to Hire Candidates with a Master's Degree in Finance
(GMAC, 2019)

FASTER THAN AVERAGE GROWTH

11%

10-Year Job Growth for Financial Analysts
(Bureau of Labor Statistics, 2016 - 2026)

POTENTIAL JOB TITLES

- Financial Analyst
- Financial Engineer
- Financial or Securitization Consultant
- Decision Management Analytics Associate
- Risk, Data or Research Analyst

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



“

You will learn from our world-class research pioneers and industry practitioners who partner with leading companies and deliver a state-of-the-art curriculum. Our program continues to innovate and adapts to address ever-changing industry demands.

”

Liu Yang

Academic Director
Quantitative Finance



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Master of Science BUSINESS ANALYTICS

Deep-dive into managing big data in today's competitive business world. You'll use your quantitative modeling skills to analyze large amounts of data and then recommend factual, innovative and insightful solutions to business problems.

What You Will Learn

EXPERIENCES TAILORED FOR YOUR CAREER:



Business Analytics Capstone

Partner with a real business and use real data to help them solve problems using the technical and analytical skills you've gained.



Datathon Competition

Use your consulting, teamwork and analytical skills to help real businesses understand their data and compete for a grand prize.

INDUSTRY-SPECIFIC TOOLS YOU WILL USE:

- Amazon Web Services
- Google Analytics
- Excel Solver and Solver Table
- Hadoop
- Hive
- Python
- R
- Spark
- SQL

STEM Eligible Program

3

Semesters

30

Credits

KEY CONCEPTS EXPLORED:

- Artificial Intelligence
- Business Value of Big Data
- Digital Marketing Strategies
- Linear, Integer and Nonlinear Optimization
- Machine Learning
- Monte-Carlo Simulation
- Price Optimization Price-Response Functions
- Structured Problem-Solving Process
- Time Series Forecasting
- Text Analytics

FACULTY PROFILES:



Jessica Clark

European Research Paper of the Year Award Recipient

Expert in using Data Science for Business Analytics, Advertising, Television, Social Media and Crowdfunding



Tunay Tunca

Dean's Professor of Management Science and Operations Management

Allen J. Krowe Teaching Excellence Award Recipient

Expert in Forecasting, Supply Chain Risk and the Economics of Security

2019 STUDENT PROFILE:

319

Average GRE Score

3.4

Average Undergrad GPA

670

Average GMAT Score

48%

Women

Where Your Degree Can Take You

\$74K

Average Starting Salary of our MSBA Graduates* (2018)

7 IN 10

MSBA Students Who Secure Employment within Six Months of Graduating* (2018)

61%

Employers Planning to Hire Job Candidates with a Master's Degree in Business Analytics (GMAC, 2019)

MUCH FASTER THAN AVERAGE GROWTH

27%

10-Year Job Growth for Operations Research Analysts (Bureau of Labor Statistics, 2016 - 2026)

POTENTIAL JOB TITLES:

- Business Intelligence Analyst
- Data Scientist
- Quantitative Analyst/Modeler
- Data Analyst
- Operations Research Analyst
- Risk Analyst

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



*Data for 2018 graduates who reported their U.S. salaries to Maryland Smith's Office of Career Services.

“

Our students find courses, such as Data Mining and Predictive Analytics, greatly beneficial. The tools and technology they'll learn and use regularly in this courses and others are what they'll also be regularly using in the workplace.

”

Frank Alt

Academic Director
Business Analytics



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