

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



Case Competitions

Team up with your classmates to solve a business challenge and present your solutions to a panel of expert judges.



Datathon Competition

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

INDUSTRY-SPECIFIC TOOLS YOU WILL USE

- Amazon Web Services
- Arena
- Google Analytics
- Hadoop
- Python
- R
- 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.

2020 STUDENT PROFILE

316
Average GRE Score

3.5
Average Undergrad GPA

760
Average GMAT Score

73%
Women

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* (2019)

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 information systems managers (Bureau of Labor Statistics, 2016 - 2026)

POTENTIAL JOB TITLES

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

BUSINESSES WHO HIRE OUR STUDENTS INCLUDE:



“

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



ROBERT H. SMITH
SCHOOL OF BUSINESS

Learn More

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*Data for 2018 and 2019 graduates who reported their U.S. salaries to Maryland Smith's Office of Career Services.