

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.

KEY CONCEPTS

- Artificial intelligence
- Big data
- Client/server architectures
- Data processing
- Database management
- Digital business markets
- Healthcare information systems
- Predictive analytics
- Project management
- Optimization modeling
- Simulation modeling

INDUSTRY-SPECIFIC TOOLS

- Amazon Web Services
- Python
- Arena
- R
- Hadoop
- SQL

VALUABLE CAREER BENEFITS



Learn the Latest Technology in Information Systems

Learn the best ways to manage data using the latest analytics tools and explore how to help business leaders further adapt to a changing technological landscape.



Participate in Real-World Business Scenarios

Through case competitions and simulated exercises, you'll refine your skills with experiences that mirror the challenges you'll face in the workplace.



Develop Business Strategy Skills

Your professors will challenge you to critically think about solutions to the complex business problems employers regularly face.

PROGRAM DETAILS

STEM ELIGIBLE PROGRAM

2 OR 3 SEMESTERS

30 CREDITS

WHO SHOULD APPLY

Recent college graduates with a strong statistical, computer science and/or mathematical background who want to serve as a liaison between technical teams and business leadership.

\$76k

Average starting salary
of our MSIS graduates*
(2020)

90%

MSIS students who secure
employment within six
months of graduating*
(2020)

46%

Tech employers planning to hire
job candidates with a master's
degree in information technology
(GMAC, 2019)

10%

Faster-than-average 10-year job
growth for information
systems managers
(BLS, 2019-2029)

POTENTIAL JOB TITLES

- Big data developer
- Business intelligence analyst
- Data analyst
- Data scientist
- Product manager
- Risk systems developer

GRADUATES' JOB PLACEMENTS

EXPERT, WORLD-CLASS FACULTY



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.



Sujin Kim

- More than a decade of experience researching and teaching on industrial and technological information systems.
- Expert in simulation methodology and stochastic simulation-based optimization used in electric power and health service systems.

“ The MSIS program was the right balance of statistical, analytical and business courses connecting together to form a picture of an information system. It has helped me understand the use of data in making business decisions. ”

— Asmita Nektar, MS Information Systems '19, Data Analyst at Capgemini

*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/MSINFOSYSTEMS

