

MASTER OF SCIENCE IN

INFORMATION SYSTEMS AND ARTIFICIAL INTELLIGENCE FOR BUSINESS

Learn to manage a transforming digital landscape with the latest technical skills, such as machine learning and AI, to achieve organizational success in the global marketplace.

Curriculum

Business foundations (6 credits)

- » Business Communication
- » Business Leadership and Human Values
- » Statistical Analysis

Functional core (10 credits)

- » AI Essentials for Business
- » Cyber Networks: Securing the Digital Frontier
- » Digital Transformation of Business
- » Large Scale Computing on the Cloud
- » Machine Learning: Design and Deployment

STEM courses (6 credits)

- » Business Analytics
- » Database Management*
- » Generative AI

*Students who pass the Database Management waiver exam take one additional elective, totaling 8 elective courses.

Generative AI

Explore the forefront of artificial intelligence by learning to build, train, evaluate, and refine generative AI systems. Gain hands-on experiences creating original content such as images, videos, and other media. Students will develop agentic AI solutions for real-world business scenarios, developing the skills to design autonomous, goal-oriented systems that deliver value across various industries.

Electives (14 credits)

Choose seven courses from the following:

- » Accounting and Financial Reporting
- » Advanced Business Analytics
- » Advanced Database Management
- » AI Development and Business Applications
- » AI-Driven Sequential Decision Making
- » Crisis Management
- » Data Analytics
- » Data Science and Business Intelligence
- » Data Visualization
- » Developing Internet Systems and Services
- » Forecasting Models for Business Intelligence
- » Health Information Technology
- » Human-AI Fusion for Business
- » Introduction to Java for Business
- » IT and Global Sourcing Strategy
- » IT Consulting Practicum
- » Managing Complex Projects
- » Marketing Management
- » Python for Data Analysis
- » Responsible AI
- » Simulation for Business Applications
- » Social Media Analytics
- » One Carey elective of your choice

**FULL-TIME
IN-PERSON
36 CREDITS
ONE YEAR
STEM-DESIGNATED**

WASHINGTON, D.C.

687
average
GMAT score*

332
average
GRE score

3.43
average undergraduate GPA

<1
average years of full-time
work experience

4%
students from
the U.S.

46%
female students

54%
male students

Fall 2024 incoming class
*GMAT Exam (10th Edition)

More information

Contact Admissions:

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