

MASTER OF SCIENCE IN

BUSINESS ANALYTICS AND ARTIFICIAL INTELLIGENCE

Since 1876, Johns Hopkins University has guided society through uncertainty. Today's students build on this legacy by using advanced analytics and AI techniques to tackle complex business challenges and drive innovation.

Curriculum

Business foundations (6 credits)

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

Functional core (10 credits)

- » Business Analytics
- » Data Analytics
- » Data Visualization
- » Operations Management
- » Practical Machine Learning

STEM courses (6 credits)

- » Advanced Business Analytics
- » Analytics Consulting Project Capstone Course
- » Python for Data Analysis

Analytics Consulting Project

Assume the role of an analytics consultant to address complex business problems, select and apply pertinent analytics methodologies, prepare and analyze data, and generate actionable insights.

SCAN TO WATCH VIDEO ABOUT
THIS CAPSTONE COURSE



Electives (14 credits)

Choose seven courses from the following:

- » Advanced Database Management
- » AI-Driven Sequential Decision Making
- » AI Essentials for Business
- » AI in Marketing
- » Continuous Time Finance
- » Corporate Finance
- » Corporate Governance
- » Crisis Management
- » Customer Analytics
- » Cybersecurity and Data Vulnerabilities
- » Data Science and Business Intelligence
- » Database Management
- » Enterprise Risk Management Frameworks
- » Financial Crises and Contagion
- » Financial Decisions and Investment Analysis
- » Forecasting Models for Business Intelligence
- » Generative AI
- » Large Scale Computing on the Cloud
- » Managing Complex Projects
- » Managing Financial Risk
- » Marketing Management
- » Responsible AI
- » Retail Analytics
- » Simulation for Business Applications
- » Supply Chain Analytics
- » Sustainable Supply Chains
- » One Carey elective of your choice

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

WASHINGTON, D.C.

718
average
GMAT score*

334
average
GRE score

3.54
average undergraduate GPA

<1
average years of full-time
work experience

6
countries
represented

46%
female students

54%
male students

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

More information

Contact Admissions:

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