

BUSINESS ANALYTICS AND ARTIFICIAL INTELLIGENCE (PART TIME), MASTER OF SCIENCE

For more than 140 years, Johns Hopkins University research and initiatives have helped society navigate uncertain times. This legacy underpins the part-time Master of Science in Business Analytics and Artificial Intelligence. With a curriculum focused on machine learning and artificial intelligence, you will gain the AI technical and leadership skills to translate business problems to analytical problems in order to make smart, informed decisions, and manage and lead businesses in the age of AI.

- Gain the tools and knowledge to analyze data, improve decision making in business strategy, and lead in volatile environments.
- Take advantage of asynchronous and synchronous online course modalities, as well as opportunities to engage with peers and faculty during in-person residencies.
- Complete your degree in as little as two years and harness the skills taught in the classroom to take a professional leap forward.
- Translate business problems to analytics problems and utilize artificial intelligence methodologies to develop business solutions.
- Leverage the resources, reputation, and expert faculty at Johns Hopkins, as we are becoming the leading university center for analytics and data science.

Program Requirements Curriculum

The curriculum for the Master of Science in Business Analytics and Artificial Intelligence program includes the following courses. Course sequence and availability of specific electives may vary. Students must consult with an academic advisor to ensure that they take courses in the approved sequence. All courses are 2 credits.

Code	Title	Credits
Business Foundations		
BU.120.601	Business Communication	2
BU.131.601	Business Leadership and Human Values	2
BU.510.601	Statistical Analysis	2
Functional Core		
BU.520.601	Business Analytics	2
BU.510.650	Data Analytics	2
BU.520.650	Data Visualization	2
BU.680.620	Operations Management	2
Elective Courses		
Students must complete 8 elective courses. At least 4 of these courses must be from the Quantitative Electives section.		
<i>Quantitative Electives</i>		<i>8</i>
Select at least four course of the following:		
BU.520.620	Advanced Business Analytics	
BU.330.785	Advanced Database Management	
BU.520.750	AI-Driven Sequential Decision Making	

BU.520.710	AI Essentials for Business	
BU.232.650	Continuous Time Finance	
BU.450.760	Customer Analytics	
BU.330.780	Data Science and Business Intelligence	
BU.330.770	Database Management	
BU.610.740	Forecasting Models for Business Intelligence	
BU.330.760	Generative AI	
BU.883.710	Health Analytics	
BU.232.701	Investments	
BU.330.740	Large Scale Computing on the Cloud	
BU.450.740	Retail Analytics	
BU.610.615	Simulation for Business Applications	
BU.610.760	Supply Chain Analytics	
BU.610.710	Sustainable Supply Chains	
BU.510.615	Python for Data Analysis	
<i>General Elective</i>		<i>8</i>
BU.231.720	Corporate Governance	
BU.610.705	Crisis Management	
BU.520.701	Enterprise Risk Management Frameworks	
BU.230.750	Financial Crises and Contagion	
BU.300.620	Managing Complex Projects	
BU.230.730	Managing Financial Risk	
BU.410.620	Marketing Management	
BU.151.770	Power and Politics	
BU.330.735	Responsible AI	
One Global Immersion Course of choice		
Carey Elective - Carey Elective - Students may fulfill ONE general elective with a Carey course for which they meet the prerequisites and enrollment criteria.		
Total Credits		30