MASTER OF SCIENCE IN THE FIELD OF ARTIFICIAL INTELLIGENCE FOR BUSINESS

OVERVIEW

The master of science in artificial intelligence for business at the George Washington University School of Business is a school-wide, cross-departmental program that prepares graduates to deliver AI responsibly in organizational settings. The program equips students to design, deploy, and govern AI-enabled systems that create business value while meeting expectations for reliability, accountability, and responsible innovation. The 30-credit curriculum combines rigorous technical preparation in programming, statistical foundations for AI, and modern AI methods with applied implementation skills, business integration, and AI ethics and governance.

Students complete a shared 12-credit core and then specialize through one of three tracks, each culminating in a track-specific 3-credit capstone focused on end-to-end delivery. A sequenced AI pathway builds from responsible AI and governance to foundational AI capability and generative AI systems with business applications, reinforced through hands-on labs, cross-disciplinary electives contributed by participating departments, and practitioner engagement. Graduates are prepared for roles at the intersection of technology and management, including AI product and strategy, analytics and AI leadership, and responsible AI governance, with the ability to translate state-of-the-art methods into scalable, implementable solutions.

ADMISSIONS

To be considered complete, the below must be included in the online application:

Completed Online Application: The fee will be waived for applicants who already possess an undergraduate or graduate degree from GW. The online application accepts electronic payment.

Current Résumé: Uploaded through the online application system.

One Letter of Recommendation: From professional and/or academic references.

Statement of Career Objective: In no more than 500 words, describe how the MSAIB program fits into your professional life and your career objectives.

Additional Application Requirements

Transcripts: All admitted students will be required to submit official, sealed academic transcripts with proof of their bachelor's degree. There is no need to submit transcripts at the time when you first apply; you may do so after admission. Once admitted, please submit transcripts from all of the colleges and/or universities you have attended where you received 15 credits or more, whether or not a degree program was completed or the credits appear as transfer credits on another transcript.

International applicants should upload the English-language version of their transcripts or a copy of a credentialed evaluation. For a list of acceptable foreign credential evaluation services, please visit nacs.org.

International Applicants: Applicants who have not completed their entire degree in a country in which English is the principal language must submit one of the following: an official TOEFL score of at least 100 (internet-based test), an official IELTS score of 7.0 with no individual band score below 6.0, or a PTE Academic Score of at least 68. Test date must be within the past two years. TOEFL code: 5246 Department code: 02

Financial Certification Form along with supporting documentation indicating that you have adequate funding for tuition and living expenses for the duration of the MSAIB program. The form is required from students requesting a visa and only after receiving an admission offer.

Copies of all current or recently issued visa or I-20 documentation. (To expedite processing, you should submit an application that is otherwise complete and forward the copies of visa or I-20 documentation when they become available).

REQUIREMENTS

The following requirements must be fulfilled: 30 credits, including 12 credits in required core courses and 18 credits in required and elective courses in one selected track.

Code	Title	Credits
Core courses		
DNSC 6311	Stochastic Foundation: Probability Models	
DNSC 6312	Statistics for Analytics I	
ISTM 6200	Python Program Database Applications	
ISTM 6227	Course ISTM 6227 Not Found	
Track requirement		
Students select and complete all required and elective course requirements for one of the following tracks:		
AI systems management track		
Required		
ISTM 6202	Relational Databases	
ISTM 6209	Web and Social Analytics	
ISTM 6214	Foundations of Artificial Intelligence	
ISTM 6218	Business Applications of Artificial Intelligence	

ISTM 6210	Integrated Information Systems Capstone
Elective	
One course selected from the following:	
ISTM 6213	Cloud Applications
ISTM 6217	Internet of Things Management
ISTM 6222	Digital Business Strategy
ISTM 6290	Special Topics
AI analytics track	
Required	
DNSC 6306	Decision and Risk Analytics
DNSC 6307	Optimization I
DNSC 6308	Optimization II
DNSC 6313	Statistics for Analytics II
DNSC 6314	Machine Learning I
DNSC 6315	Machine Learning II
DNSC 6317	Business Analytics Practicum
Electives	
6 credits in courses selected from the following or other GWSB courses approved by the advisor.	
DNSC 6280	Supply Chain Analytics
DNSC 6305	Data Management for Analytics
DNSC 6319	Time Series Forecasting for Analytics
DNSC 6320	Pricing and Revenue Management
DNSC 6321	Social Network Analytics
DNSC 6323	Visualization for Analytics
DNSC 6325	Business Process Simulation
DNSC 6327	Sports Analytics
DNSC 6331	Customer Analytics
Other possible electives include courses from the AI systems track (above) and other GWSB courses such as ACCY 6521 Data Analytics for Accounting, FINA 6290 AI in Finance, IBUS 6101 Big Data for International Business, MKTG 6258 AI Applications in Marketing, MKTG 6262 Digital Marketing Analytics, and MKTG 6263 Marketing Decision Analytics.	
AI business track	
Required	
ACCY 6521	Data Analytics for Accounting
FINA 6290	Special Topics
IBUS 6101	Big Data for International Business
MKTG 6262	Digital Marketing Analytics
MKTG 6263	Marketing Decision Analytics
MKTG 6264	Artificial Intelligence and Machine Learning for Marketing Automation
ISTM 6210	Integrated Information Systems Capstone
Electives	
6 credits in approved GWSB coursework selected in consultation with the advisor.	