MASTER OF SCIENCE IN APPLIED AI ONLINE

The Master of Science in Applied Artificial Intelligence (MSAI-OL) is a fully online graduate program tailored for working professionals and lifelong learners. The program consists of five core courses, providing a strong foundation in AI principles, AI ethics, data management, data visualization, and machine learning, with students selecting one of two specialization tracks: Business Analytics or Health Informatics, each comprising five additional courses tailored to their interests. Each course follows a 10-week asynchronous format, allowing students to learn at their own pace while balancing professional and personal responsibilities.

Our MSAI-OL program builds on Bryant's expertise in business education to provide all students with a strong foundation in business and focus on applied learning using real-world data and open-source tools. Designed to equip students with both foundational knowledge and hands-on experience, the program prepares graduates to effectively apply AI in business and healthcare environments. Whether optimizing operational efficiency in hospitals, enhancing marketing strategies, or designing AI-powered solutions, the program fosters practical skills and critical thinking essential for success in the age of AI.

Graduates of the MSAI-OL program will be proficient in programming languages such as Python, R, and SQL/NoSQL, as well as in data visualization tools like Tableau and Power BI. They will also gain hands-on experience with a range of AI tools and technologies, equipping them to apply AI across diverse industries. From building intelligent applications to deploying AI systems in healthcare environments, students develop the skills and confidence to lead data-informed initiatives. Potential career paths include roles such as AI Specialist, Data Analyst, Clinical Data Analyst, and Business Intelligence Analyst.

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Online Master of Science in Applied AI Degree Requirements:

Required Degree Introduction Course:		
GRO 550	Online Strategies for Success	1
Core AI Requirements		
AI 500	Fundamentals of Artificial Intelligence	3
AI 510	AI Ethics and Society	3
ISA 520	Data Visualization and Communication	3
ISA 530	Fundamentals of AI and Machine Learning	3
ISA 540	Data Management in the Age of AI	3
Student must pick a track:		
Business Analytics Track Requirements:		
AI 600	AI Applications in Business	3
MSBA 610	Time Series Analysis and Optimization for Business Decisions	3
MSBA 620	Marketing Analytics	3
MSBA 630	Business Strategy and Analysis	3
MSBA 640	Business Analytics and AI Capstone	3
Health Informatics Track Requirements:		
HS 501	Introduction to Health Informatics and AI	3
HS 520	Healthcare Law, Privacy, and Ethics	3
HS 530	Healthcare Operations and Systems	3
HS 540	Advanced Applications of Artificial Intelligence in Healthcare	3
HS 610	Electronic Health Records and AI	3

A minimum of 31 credits is required for graduation.

Note: Students are expected to have foundational knowledge in statistics and programming prior to entering the program. Applicants who do not meet these prerequisites will be required to complete the bridge courses: Programming Foundation and/or Math and Statistics Foundation before enrollment.