

Master of Science in Artificial Intelligence for Business

About This Program

The Master of Science in Artificial Intelligence for Business (MSAIB) is a non-thesis program consisting of 33 semester hours, including required courses that integrate foundational programming and statistics knowledge with advanced skills in artificial intelligence and analytics to address organizational challenges in data-driven decision-making. Elective courses to complete the program are selected with approval of the Graduate Advisor. When there is equivalent work/course experience, the student must meet with the Graduate Advisor to select alternate coursework.

Competencies

1. Upon completion, students will be able to perform feature engineering, including preprocessing both structured and unstructured data.
2. Upon completion, students will demonstrate an understanding of supervised and unsupervised algorithms, including the ability to build, tune, evaluate, and interpret various machine-learning and deep-learning models.
3. Upon completion, students will be able to align analytics solutions with business objectives.
4. Upon completion, students will be able to craft compelling data-driven narratives for business stakeholders.
5. Upon completion, students will be aware of the ethical implications of data use, including governance, fairness, bias, and transparency.

Admissions Criteria

Admission to the MS in Artificial Intelligence for Business (MSAIB) program is based on completion of the general admission requirements of the Graduate School as specified under the Graduate Admissions Requirements and Procedures in the Catalog.

UNCONDITIONAL ADMISSION WITHOUT COMMITTEE REVIEW

Applicants qualify for unconditional admission without the need for review by the Graduate Studies Committee if they meet the following two criteria.

- Applicant holds an earned bachelor's degree from an AACSB-accredited college or university, or equivalent, with a minimum GPA of 3.00 on the last 60 hours of undergraduate work, and
- GMAT/GRE must have verbal and quantitative scores at the 50th percentile or higher.

ADMISSION WITH COMMITTEE REVIEW

Applicants who require committee review are considered for admission using the following factors, with no single factor used as the primary criterion for making admission decisions.

- Undergraduate and graduate GPA (overall, major, and last 60 hours) and program accreditation status of the applicant's degree granting institution;
- Score on the GMAT/GRE (including separate scores on the verbal and quantitative portions);
- Applicant's professional work experience and professional certification/licensure; and
- Letters of reference and personal statement provided by the applicant.

By considering the totality of the applicant's circumstances, including the factors listed above, the Graduate Studies Committee will evaluate an applicant's readiness to successfully complete the graduate program. Depending on the judgment of the committee, the decision may be to grant unconditional admission, probationary admission, provisional admission, deferred admission, or to deny admission. The decision of the committee is final. An applicant whose native language is not English must demonstrate a sufficient level of skill with the English language to assure success in graduate studies as defined under Admissions Requirements and Procedures in the Catalog. International applicants must submit a TOEFL score or IELTS score that meets the standards as listed in the admission requirements.

Curriculum

Core		
BSTAT 5325	ADVANCED METHODS FOR ANALYTICS	3
INSY 5336	PYTHON PROGRAMMING FOR BUSINESS APPLICATIONS	3
INSY 5337	DATA ENGINEERING FOR BUSINESS APPLICATIONS	3
INSY 5339	INTRODUCTION TO AI FOR BUSINESS	3
INSY 5376	ADVANCED AI FOR BUSINESS	3
INSY 5379	AI FOR BUSINESS CAPSTONE	3

Electives

Select five from the following list or any 5000-level course approved by the Graduate Advisor.

INSY 5344	BUILDING RESPONSIBLE AND ETHICAL AI APPLICATIONS
INSY 5345	CLOUD COMPUTING - THEORY AND PRACTICE
INSY 5377	WEB AND SOCIAL ANALYTICS
INSY 5378	SPECIAL TOPICS IN AI FOR BUSINESS
INSY 5380	GRAPH MACHINE LEARNING FOR BUSINESS
ACCT 5307	MEASUREMENT AND ANALYSIS FOR BUSINESS DECISION-MAKING
ECON 5337	BUSINESS & ECONOMIC FORECASTING
MANA 5344	EVIDENCE-BASED MANAGEMENT
MARK 5337	MARKETING ANALYTICS AND INFORMATION MANAGEMENT

Total Hours**33**

Program Completion

The Master of Science in Artificial Intelligence for Business (MSAIB) is a non-thesis program consisting of 33 semester hours, including required courses that integrate foundational programming and statistics knowledge with advanced skills in artificial intelligence and analytics to address organizational challenges in data-driven decision making. Elective courses to complete the program are selected with approval of the Graduate Advisor. When there is equivalent work/course experience, the student must meet with the Graduate Advisor to select alternate coursework.

Advising Resources

Contact the Information Systems & Operations Management Department for graduate program inquiries and academic advising.

Location:

College of Business, Room 535

Email:

isom@uta.edu

Phone:

817-272-3502

Web:

Inquiries & Advising (<https://www.uta.edu/academics/schools-colleges/business/departments/information-systems-and-operations-management/>)