

Interdisciplinary Applications of Artificial Intelligence Minor or Certificate: Business

The Interdisciplinary Applications of Artificial Intelligence Minor or Certificate has three tracks. The following applies to the Business Applications of Artificial Intelligence track offered by the ITOM Department in the College of Business.

Artificial intelligence (AI) has captured the attention of business leaders, scientists, and engineers worldwide. Across industries, leaders are seeking ways to create value through AI, machine learning, and other frontier technologies. This program requires no prior, formal engineering or technical experience. It offers a business manager’s level of understanding of AI and how it can be positioned to improve efficiency and effectiveness across the organization: what are the basket of AI tools that can be used in what business problems, how to customize available AI tools for the specific organizational problem and be successful, how to avoid caveats. Maximizing the business value of AI projects requires more than the ability to program or code. Effective communication, collaboration, and alignment between leaders and AI teams are essential elements ensuring that an organization’s AI capabilities serve business objectives. The widespread rollout of AI hinges on ethical and governance considerations to ensure public safety and personal privacy protections.

Required Courses: 12 credits (Minimum Grade “C”)

Course Title	Prefix & Number	Pre-requisites* (Minimum Grade “C”)
Choose TWO core electives; one must be an ISM course	Choose TWO :	
A. I. and Digital Transformation for Business	ISM4421	
Contemporary Issues of Digital Data Mgmt	ISM4041	
Applications of Artificial Intelligence	CAP2603	
Applied Machine Learning and Data Mining	CAP4612	STA2023
Choose TWO additional minor electives		
Choose any two A. I. electives from the table on the next page. The courses can come from the same department or from two different departments. Pre-requisites as listed in the FAU catalog are noted on the table for each course; however, any questions or concerns regarding registration or pre-requisites for non-business courses should be directed to the FAU College that offers the course.		

*Some courses may require students to be declared in their major or to receive authorization from an advisor if not a business major.

Additional Requirements

The **minor is open to all degree-seeking students** and allowed upon successful completion of the course work above and the simultaneous successful completion of a bachelor’s degree. A maximum of 3 credits used for the minor may count toward other major requirements. A minimum of two courses (6 credits) must be exclusive to the minor. A minimum of 9 credits for the minor must be taken at FAU. The minor requires at least 3 upper level (3000 level or higher) courses.

The **certificate is open to all students**. College of Business certificates require 100% residency: all courses must be taken at FAU. All students must complete an application for certificate at the end of their second-to-last term at FAU in order for the certificate to be awarded. **Non-degree-seeking students** can [download the application for certificate](#) and e-mail the completed form to COBAdvising@fau.edu. **Degree-seeking students** must complete their application for certificate with an academic advisor during their application for degree preapproval meeting. For degree-seeking students, if all certificate courses were completed with or before the degree, then a certificate cannot be processed once the degree is awarded.

Students cannot obtain both the certificate and the minor. Students can only complete one minor track.

Timely Graduation

Minors and certificates should be considered an optional direction for elective credits. Students may not add a minor or certificate without permission from a COB advisor (and main college advisor if different). Students are generally not permitted to add a minor/cert after earning 90 credit hours or if completing it will result in an Excess Hour Surcharge.

Maximum Course Attempts

FAU counts a “course attempt” as any time a student is enrolled in a course (at any institution) and earns either a grade or a “W”. FAU COB students may not attempt any course more than twice; **third attempts are not permitted**.

The FAU Catalog is the official source for information about these requirements.
<http://www.fau.edu/academic/registrar/FAUcatalog/>

Choose Two Courses (Minimum Grade "C")

Please consult the FAU catalog for pre-requisites

College of Business courses		
Artificial Intelligence and Digital Transformation for Business	ISM 4421	
Introduction to Business Analytics and Big Data	ISM 3116	Pre: ISM3011
Contemporary Issues of Digital Data Management	ISM 4041	
Healthcare Information Systems	ISM 4381	
Blockchain: Business Implications	ISM 4451	
Project Management	MAN 4583	
Digital Marketing	MAR 4721	Pre: MAR3023, ISM3011
Technology in Healthcare Organizations	HSA 3191	Pre: HSA3111
Business Analytics for Marketing and Customer Relationship Management	MAR 4615	Pre: MAR3023
Revenue Management and Predictive Analytics in the Hospitality and Tourism Industry	HFT 4881	

For non-business courses, please refer to the catalog or the college that offers the course for information on pre-requisites.

College of Engineering and Computer Science courses		
Tools for Data Science	CAP 2751	
Applications of Artificial Intelligence	CAP 2500	
Introduction to Artificial Intelligence	CAP 4630	
Applied Machine Learning and Data Mining	CAP 4612	
Introduction to Data Mining and Machine Learning	CAP 4770	
Introduction to Deep Learning	CAP 4613	
Introduction to Data Science and Analytics	CAP 4773	
Trustworthy Artificial Intelligence	CAP 4623	
College of Arts and Letters courses		
Robotic Applications	EEL 4930	
Artificial Intelligence for Social Good	CCJ 3071	
New Media and Civic Discourse	COM 4603	
Media, Culture and Technology	MMC 4263	
Science Fiction	LIT 3313	
Psycholinguistics	LIN 4701	
Philosophy of Mind	PHI 3320	
Research Methods in Political Science	POS 3703	
Information Technology in Public Administration	PAD 3820	
Technology and Society	SYP 4421	
College of Science courses		
Shared and Automated Transport: Current Trends	URP 4712	
Spatial Data Analysis	GEO 4167C	
Photogrammetry and Aerial Photograph Interpretation	GIS 4021C	
Applications of Geographic Information Systems	GIS 4048	