ARTIFICIAL INTELLIGENCE FUNDAMENTALS AND APPLICATIONS CERTIFICATE

Open to all Majors

The Artificial Intgelligence Fundamentals and Applications Certificate is intended for undergraduates of all majors (both technical and non-technical) to understand fundamentals of Artificial Intelligence, its applications to real world problems in various disciplines, and ethical and professional responsibilities of these technologies. The certificate consists of a required fundamentals course, a college specific application course and an ethics course. Students use high level AI tools and apply them to problems in their disciplines.

Contact

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324 Tigert Hall | Map (https://campusmap.ufl.edu/#/index/0026)

About this Program

- **College:** Herbert Wertheim College of Engineering (https://catalog.ufl.edu/UGRD/colleges-schools/UGENG/)
- **Credits:** 9 | Completed with minimum grades of C
- Student Learning Outcomes (SLOs) (https://public.tableau.com/app/profile/uf.oipr4918/viz/UFStudentLearningOutcomesCertificatesOnly/StudentLearningOutcomes/?publish=yes)

Certificates must comply with the Certificate Policy.

Enroll in UF's artificial intelligence certificate program where all undergraduate students, regardless of major, can learn how to apply artificial intelligence in their discipline. No background in computer programming, engineering, or data science is needed. Pursuing courses in AI can put students ahead of the curve when applying for internships or jobs. Students can obtain the skills needed to join the AI-trained workforce of the future.

This university-wide certificate prepares students to understand the fundamentals of artificial intelligence, its applications to real-world problems in various disciplines, and ethical and professional responsibilities of these technologies. The certificate consists of two required courses, a fundamental course and an AI ethics course. After completing those, students take a third elective course in the application of ethics in their discipline. Students learn how to use AI and apply them to maximize efficiency or solve problems within their discipline.

To obtain this certificate, students must apply before they take the second course.
More Info (https://admissions.ufl.edu/apply/certificates/)

To earn the certificate, students must apply to graduate with it.
More Info (https://registrar.ufl.edu/services/degree-application/)

ADMISSION CRITERIA

Junior level of any major, MAC 1147 or equivalent. Some elective courses require prerequisites which are fulfilled by the majors indicated.

REQUIRED COURSES

Code	Title	Credits
EEL 3872	Artificial Intelligence Fundamentals	3
PHI 3681	Ethics, Data, and Technology	3
College-specific course (select one):		3
Agricultural and Life Sciences		
ALS 3200C	AI in Agricultural and Life Sciences	
Business		
QMB 3302	Foundations of Business Analytics and Artificial Intelligence (AI)	
Design, Construction, and Planning		
DCP 4300	AI in the Built Environment	
Education		
EDP 3211	Cognitive and Educational Science in AI	
Engineering		
BME 4760	Biomedical Data Science	

CAP 3032	Interactive Modeling and Animation 1
EEE 4773	Fundamentals of Machine Learning
ESI 4610	Introduction to Data Analytics
Health and Human Performance	
APK 4720	Artificial Intelligence for Movement Sciences
HFT 4442	Artificial Intelligence Revolutions and Applications in Tourism, Hospitality, and Events
Journalism and Communication	
ADV 3330	Artificial Intelligence and Advertising
ADV 4331	AI-Driven Social Media Insight
JOU 3365	Artificial Intelligence in Media and Society
Liberal Arts and Sciences	
BSC 4892	AI in Biology
CAP 3032	Interactive Modeling and Animation 1
CLA 3811	AI in Antiquity and Today
GIS 4123C	GeoAI – Geographic Artificial Intelligence
IDS 3750	Artificial Intelligence in the Social Sciences
WST 4002	Data Feminisms
Public Health and Health Professions	
PHC 3793	Higher Thinking for Healthy Humans: AI in Healthcare and Public Health
PHC 4796C	Artificial Intelligence in Psychological and Brain Sciences
Total Credits	**9**