

ARTIFICIAL INTELLIGENCE FUNDAMENTALS AND APPLICATIONS CERTIFICATE

The AI 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.

About this Program

- **College:** Herbert Wertheim College of Engineering (<http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/>)
- **Credits:** 9 | Completed with minimum grades of C

Certificates must contain at least nine credits of coursework that are unique to that program out of all other certificates and minors.

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
Select one college-specific course:		3
<i>Engineering</i>		
BME 4760	Biomedical Data Science	
EEE 4773	Fundamentals of Machine Learning	
CAP 3032	Interactive Modeling and Animation 1	
ESI 4610	Introduction to Data Analytics	
<i>Liberal Arts and Sciences</i>		
CAP 3032	Interactive Modeling and Animation 1	
<i>Agricultural and Life Sciences</i>		
ALS 3XXX	AI in Agricultural and Life Sciences	
<i>Business</i>		
QMB 3302	Foundations of Business Analytics & Artificial Intelligence (AI)	
<i>Design, Construction, & Planning</i>		
DCP 4XXX	AI in the Built Environment	
Total Credits		9
