

Minor in Applications of Artificial Intelligence

The Applications of AI Minor is designed to equip students across all disciplines at Embry-Riddle Aeronautical University with essential AI literacy and practical competencies. Through a curriculum that spans applications in education, industry, and research, students develop the ability to apply core AI methods responsibly and effectively. The program also emphasizes ethical awareness, privacy considerations, and the importance of human oversight, preparing students to engage thoughtfully with AI in their academic and professional contexts. The 15-credit minor in Applications of AI advances this objective through foundational courses (9 credits) open to all students, complemented by electives (6 credits) aligned with diverse majors.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Daytona Beach Minor Requirements

Core Requirements	9
Electives	6
Total Credits	15

Core Requirements

HUMN 431	Ethics and Artificial Intelligence	3
DSCI 330	Applied Generative AI	3
Choose One of the Following:		3
DSCI 413	Statistics for Data Science	
MATH 210	Introduction to Data Science	
MATH 412	Probability and Statistics	
STAT 222	Business Statistics	
WEAX 422	Meteorological Statistics and Data Analysis	
Total Credits		9

Electives

Choose 2 of the following courses:		
ASCI 214	Aviation Networks and Cybersecurity	3
CESC 440	Autonomous Vehicle Design	3
CIVE 460	Applied Data Science and Numerical Methods in Civil Engineering	3
CPSC 455	Artificial Intelligence	3
BUAN 232	Techniques in Business Analytics	3
DSCI 244	Data Acquisition and Manipulation	3
DSCI 312	Machine Learning	3
DSCI 390	Research Project in Industrial Mathematics	3
DSCI 412	Data Visualization	3
DSCI 440	Data Mining	3
ELEC 311	Robotics and Autonomous Systems I	3
or MECH 371	Robotic Technologies for Uncrewed Systems	
MATH 360	Mathematical Modeling and Simulation I	3
MATH 488	Data-driven Numerical Methods for Differential Equations	3
MMIS 320	Business Information Systems	3
Total Credits		6