

Undergraduate Certificate in Artificial Intelligence, Ethics, and Creativity

The Undergraduate Certificate in Artificial Intelligence, Ethics and Creativity is designed to help students understand artificial intelligence as both a tool and a force with significant cultural, ethical and creative implications. The program includes coursework in research applications, ethics and moral philosophy, and generative AI in real-world contexts, enabling students to approach AI with both technical knowledge and a human-centered perspective.

This certificate is well suited for students from a variety of disciplines and supports the development of forward-thinking professionals who can apply ethical reasoning and creative insight to real-world challenges. Embry-Riddle's interdisciplinary approach prepares students for a future in which technology and humanity are increasingly interconnected.

Note: Certificate programs are not eligible for Title IV Federal Financial Aid unless taken as part of a degree program.

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

Program-Level Student Learning Outcomes

Students will:

- Design strategies to use AI in ways that enhance human creativity without compromising originality or authenticity.
- Apply ethical frameworks to the use of AI technologies in various industries.
- Create projects using both AI technology and humanities-based approaches that address questions about human cognition and machine interaction.
- Illustrate the impact of AI-assisted creativity by producing original content or analyses that reflect current generative AI capabilities.
- Describe the basic mechanisms of generative AI and its role in creative and research applications.

Worldwide Certificate Requirements

HUMN 154	Artificial Intelligence Rhetorics	3
HUMN 250	Generative Artificial Intelligence in Real-World Contexts	3
HUMN 431	Ethics and Artificial Intelligence	3
PSYC 400 or PSYC 355	Introduction to Cognitive Science The Psychology of Creativity and Innovation	3
Total Credits		12