

AI Assisted Learning and Instruction

Graduate Certificate 21 Credit Hours

This program is offered by the School of Education and is available online (asynchronous).

For information on the general requirements for a certificate, see Certificate Program Policies and Procedures under the Academic Policies section of this catalog.

Program Description

The graduate certificate in AI assisted learning and instruction is designed to equip students with the skills and knowledge needed to excel in online teaching and learning, focusing on integrating AI technologies. Designed for educators, corporate trainers, curriculum, and workshop facilitators, this program comprehensively explores digital pedagogy, instructional design, and technology integration for online and on-ground AI-enhanced learning environments. The graduate certificate may be earned as a stand-alone program or in combination with a master's degree program such as the MA in education and innovation and the MA in talent development and training.

Learning Outcomes

Successful graduates of the graduate certificate in AI assisted learning and instruction will be able to:

- Design and apply AI-enhanced instructional strategies to support personalized learning.
- Use learning sciences to create appropriate evidence-based instructional approaches for adult and K-12 learners.
- Build online and on-ground courses/learning experiences that utilize AI for accessibility and learner skills development.
- Design immersive learning experiences with AI and other emerging technologies.
- Evaluate ethical considerations like privacy and bias in AI learning applications.
- Use AI tools to develop effective, data-informed instructional materials.
- Evaluate AI tools to enhance lifelong learning and professional growth.

Requirements

- EDIN 5700 Foundations of AI and Learning (3 hours)
- EDIN 5701 Learning Sciences in the Age of AI (3 hours)
- EDIN 5702 Instructional Design (3 hours)
- EDIN 5703 Instructional Development and AI (3 hours)
- EDIN 5704 Online Course and Curriculum Design with AI (3 hours)
- EDIN 5705 Learning and Instruction with VR and AR (3 hours)
- EDIN 5706 Ethical Issues in AL Learning and Instruction (3 hours)

Admission

See the Admission section of this catalog for general admission requirements. Students interested in applying must submit their application online at www.webster.edu/ apply. Transcripts should be sent from your institution electronically to transcripts@webster.edu. If this service is not available, send transcripts to:

Office of Admission
Webster University
470 E. Lockwood Ave.

St. Louis, MO 63119

Additional Requirements

Requirements for admission to the graduate certificate in AI assisted learning and instruction program include:

- Receipt of all official transcripts.
- Final degree conferred GPA of 2.5 or higher.