

GRADUATE & PROFESSIONAL CERTIFICATE from Vanderbilt Peabody College:

Emerging Learning Technologies and AI

Technology and artificial intelligence (AI) are ubiquitous in our lives and hold enormous potential for education. Through this certificate, students interested in the interplay of cognition, learning and technology will capitalize on faculty expertise and human-centered design principles to support learning and human development in contexts both inside and outside of classrooms, by children and adults.



Upon completion of the certificate, students will be able to identify opportunities and limitations of new and established technologies for particular learning situations; critically analyze how technologies form part of larger systems of activity where people think and learn; imagine new futures for how technology could be designed differently to support cognition and development; and create rationaled socio-technical designs that leverage the learning possibilities of novel technologies.

QUICK FACTS

Required Hours: 12 credit hours are needed to earn this certificate. See the [certificate website](#) for course details.

Prerequisites: Completed bachelor's degree and current enrollment in a Vanderbilt graduate or professional degree program

Certificate Director: [Alyssa Wise](#), Professor of Technology and Education and Director, Learning Incubator: a Vanderbilt Endeavor (LIVE)

Home Academic Department: Teaching and Learning

Best Suited For: Current Peabody and Vanderbilt master's or doctoral students with interests in harnessing the power of new technologies to support thinking, learning and human development

To Enroll: Let us know of your interest in this certificate by completing the form at vu.edu/pbdy-certs. You may also email peabodycertificates@vanderbilt.edu.



The Emerging Learning Technologies and AI certificate is an exciting new offering that's going to help students understand the powers and possibilities of computing, with deep attention to how people think, learn, and develop throughout the lifespan.”



Alyssa Wise, Certificate Director

Professor of Technology and Education and Director, Learning Incubator: a Vanderbilt Endeavor (LIVE)

CAREER OPPORTUNITIES

Learning Interaction Designer • AI Learning Consultant • Educational Technology Specialist
Technology Integration Coach • Instructional Designer • E-Learning Developer
Learning and Development Specialist

SAMPLE COURSES

Required:

- » Technological Innovation and AI for Learning
- » Designing Future Learning Technologies

Choose Two:

- » Cognitive Learning Technologies
- » Cognitive Science to the Classroom
- » Embodied Cognition
- » Fundamentals of Learning Analytics
- » Computational Language Analysis
- » Intelligent Learning Environments
- » Technology-Based Entrepreneurship [Engineering]
- » Foundations of Human Computer Interaction [Engineering]
- » Virtual Reality Design [Arts and Science]

Note: Not all Peabody professional programs include enough elective credits to make earning an additional certificate possible. Students are encouraged to confer with their program director as well as with certificate directors to ensure they can meet all requirements for both degree and certificate programs. Courses listed are subject to change.