

What will you learn in the Tech to Teaching program? The certificate is designed in two stages. First, participants build expertise in the scholarship of teaching and learning by achieving five learning outcomes at the foundations of learning level. Participants will build a portfolio by submitting artifacts to demonstrate mastery of these outcomes. At the teaching capstone stage, participants will conduct a substantial mentored teaching experience, such as teaching or co-teaching a course, while working in a seminar format to learn from and provide feedback to peers.

FOUNDATIONS OF TEACHING AND LEARNING

- F1. Explain how people learn
 - F1.1 Describe teaching methods that promote knowledge retention, transfer, and mastery
 - F1.2 Analyze discipline-specific scholarship of teaching and learning literature
- F2. Identify and explain learner differences and motivation
 - F2.1 Describe strategies for motivating students with different goals
 - F2.2 Describe strategies for modeling value of diversity and inclusion
- F3. Identify and explain evidence-based teaching
 - F3.1 Describe and develop evidence-based teaching methods and learning activities
 - F3.2 Describe and develop methods for formative assessment of student learning
- F4. Develop a plan for assessing teaching and learning
 - F4.1 Write specific and measurable learning objectives
 - F4.2 Describe and develop methods for measuring learning objectives
- F5. Integrate education technology with effective teaching
 - F5.1 Explain effective uses of technology in teaching and learning
 - F5.2 Explain universal principles of design for learning (UDL)



TEACHING CAPSTONE

Participants will complete a mentored teaching experience as a co-instructor (CETL 8715) or instructor of record (CETL 8719) and through this experience will gain the following learning outcomes. A non-credit version of the capstone is available.

- T1. Apply foundational knowledge to teaching experiences
 - T1.1 Write a lesson plan that specifies learning objectives, activities, assessment methods, and strategies for including and motivating students
 - T1.2 Demonstrate application of foundational knowledge during teaching
- T2. Demonstrate professional and effective communication
 - T2.1 Demonstrate appropriate and intentional use of delivery methods for your instructional content
 - T2.2 Demonstrate welcoming and respectful interpersonal communication
- T3. Engage in critical analysis of your and others' teaching
 - T3.1 Assess your and others' teaching and identify strengths and areas for growth
 - T3.2 Collect and reflect on feedback from students, peers, and mentors on your teaching skills