# Tech to Teaching Pathways

Program Options – Foundations Level		Evidence of Learning	Registration Deadline	2016-2017 Schedule	How People Learn		Learner Differences		Evidence- based Teaching		Assessment		Integrating Ed Tech	
					F1.1	F1.2	F2.1	F2.2	F3.1	. <u> </u>	F4.1	F4.2	F5.1	F5.2
	CETL 8713 Fundamentals in Teaching and Learning	Exempt		Fall, Spring	Х	Х	Х	Х	Х	Х				
	CETL 8717 Course Design	Exempt		Fall, Spring					Х	Х	Х	Х	Х	Х
	CTL postdocs course: Fundamentals in T&L	Exempt		Spring	Х		Х		Х	Х	Х	Х		
	CETL 8000 Graduate TA Preparation	Exempt		Fall, Spring					Х					
	CTL Workshop: How Learning Works	Written Assignment		Fall	Х									
On Campils	CTL Workshop: Writing Learning Outcomes	Written Assignment		Fall							Х			
	CTL Workshop: Measuring Learning	Assessment Plan		Fall								Х		
	CTL Workshop: Student Motivation for Learning	Case Study		Feb 10 10:30-noon			х							
	CTL Workshop: Evidence-based Teaching	Written Assignment		March 3 10:30-noon					х					
	CTL Workshop: Classroom Assessment Techniques	Written Assignment		April 14 10:30-noon						х				
	CTL Independent Project: SoTL lit review	Written Assignment		Independent Study		х								
	CIRTL: An Introduction to Evidence-based Undergraduate STEM Teaching http://stemteachingcourse.org/	Statement of completion	Jan 30	Jan 30- Mar 20	х		х	х	х		х	х		
	CIRTL: Advancing Learning Through Evidence-based STEM Teaching http://stemteachingcourse.org/	Statement of completion	Jan 30	Jan 30- Mar 20				х	x					
	CIRTL: The College Classroom https://www.cirtl.net/courses/43/about	Statement of Completion	Jan 22	Jan 31- Apr 18	х			х	х		х	х		
anila		Technology Plan	Feb 6	Feb 15 & Feb 22									х	
ć	CIRTL: Intercultural Communication and Teaching https://www.cirtl.net/events/123	Case Study		March 13				х						
	CIRTL: Diversity in the College Classroom https://www.cirtl.net/courses/42/about	Case Study	Jan 22	Feb 1-Mar 29				х						
	Lynda.gatech.edu: Writing Effective Learning Objectives (John-Paul Ballard)	Written Assignment		On demand							х			
	Lynda.gatech.edu: Create Effective Learning Assessments (John-Paul Ballard)	Written Assignment		On demand								х		
	Lynda.gatech.edu: Foundations of Teaching with Technology (Kevin Kelly)	Technology Plan; Case Study		On demand									х	х

#### **Tech to Teaching Pathways**

Spring 2017

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

