Tech to Teaching – Foundation Level Pathways Matrix
2019-2020

Georgia Center for
Tech | Teaching and Learning

The Tech to Teaching certificate is comprised of two phases, a foundation content level and a teaching capstone. The foundation level is organized around 10 learning outcomes, which participants can achieve through academic courses or through an individualized pathway. After attending a workshop or completing an on-line learning resource, participants submit the evidence of learning assignment on T-square to be reviewed by CTL faculty. When participants finish a course (on campus or the CIRTL MOOC), they automatically receive credit for that learning outcome. Participants need to earn ONLY ONE learning outcome in each column. The rows in this matrix provide the various options from which participants can choose to satisfy each outcome.

The following options to satisfy the foundation level are available on campus at Georgia Tech.

On campus Program Options	Evidence of Learning	2019-2020 Schedule	How People Learn		Learner Differences		Evidence-based Teaching		Assessment		Integrating Ed Tech	
			F1.1	F1.2	F2.1	F2.2	F3.1	F3.2	F4.1	F4.2	F5.1	F5.2
CTL Course: CETL 8713 Fundamentals in Teaching and Learning	Exempt	Fall, Spring	X	X	X	X	X	X				
CTL Course: CETL 8717 Course Design	Exempt	Fall, Spring					X	X	X	X	X	X
CTL Postdoc Series 1: Foundations of Teaching and Learning	Submit assignments	Spring only	X		X	X						X
CTL Postdoc Series 2: Course Design	Submit assignments	Spring only					X	X	X	X	X	
CTL Course: CETL 8000 Graduate Teaching Assistant Preparation	Exempt	Fall, Spring						X				
BME 7004: Teaching & Research Practicum I	Department confirmation	Fall				X	X	X		X		
ISyE 8802: Fundamentals of Teaching & Learning	Department confirmation	Spring	X		X	X	X	X				
CTL Workshop: Universal Design for Learning	Canvas Assignment	Oct 8										X
CTL Workshop: How Learning Works	Canvas Assignment	Oct 25	X									
CTL Workshop: Teaching with Technology	Canvas Assignment	Oct 25									X	
CTL Workshop: Writing Learning Outcomes	Canvas Assignment	Nov 22							X			
CTL Workshop: Measuring Learning	Canvas Assignment	Nov 22								X		
CTL Workshop: Student Motivation for Learning	Canvas Assignment	Feb 21			X							
CTL Workshop: Diversity in the Classroom	Canvas Assignment	Feb 21				X						
CTL Workshop: Evidence-based Teaching	Canvas Assignment	Mar 27					X					
CTL Workshop: Classroom Assessment Techniques	Canvas Assignment	Mar 27						X				
CTL Independent Project: Teaching & learning article review	Canvas Assignment	Independent Study		X								

In addition to the on-campus options, Tech to Teaching participants have access to a variety of on-line resources to satisfy foundation-level learning outcomes.

The Center for the Integration of Research, Teaching and Learning (CIRTL) provides courses, workshops, and presentations on a variety of teaching and learning topics. Some of these satisfy learning outcomes for Tech to Teaching. Register for free access at CIRTL.net to access the direct links below. Georgia Tech also maintains free access to Lynda at Lynda.gatech.edu. Sign in with your Georgia Tech credentials for access to the teaching and learning resources listed here. CIRTL provides a letter of completion for courses; workshops through CIRTL or Lynda require submission of Canvas assignments.

On-line Program Options	Evidence of Learning	2019-2020 Schedule	How People Learn		Learner Differences		Evidence-based Teaching		Assessment		Integrating Ed Tech	
			F1.1	F1.2	F2.1	F2.2	F3.1	F3.2	F4.1	F4.2	F5.1	F5.2
CIRTL MOOC: An Introduction to Evidence-based Undergraduate STEM Teaching	CIRTL letter	Summer and Fall	X		X	X	X		X	X		
CIRTL MOOC 2: Advancing Learning through Evidence-based Teaching	CIRTL letter	Spring				X	X		X			
CIRTL Course: The College Classroom	CIRTL letter	Fall, Spring	X	X		X	X	X	X	X		
CIRTL Course: Diversity in the College Classroom	CIRTL letter	Fall, Spring		X		X						
CIRTL Course: Equity in STEM for All Genders	CIRTL letter	Fall		X		X	X		X			
CIRTL Course: Online Teaching Practicum	CIRTL letter	Spring					X		X		X	
CIRTL Workshop: Understanding and Addressing Bias in STEM Classes (2 part)	Canvas Assignment	Fall				X						
Lynda.gatech.edu: Writing Effective Learning Objectives	Canvas Assignment	On Demand							X			
Lynda.gatech.edu: Create Effective Learning Assessments	Canvas Assignment	On Demand								X		
Lynda.gatech.edu: Found. of Teaching with Tech	Canvas Assignments	On Demand									X	X

Tech to Teaching Capstone
After the foundation level is complete, participants enroll in the Tech to Teaching Capstone. The capstone can be completed as a co-instructor or instructor of record, and may be completed for credit (CETL 8715 or CETL 8719) or not-for-credit. Participants complete the Tech to Teaching Capstone Application to enroll.