



Center for Teaching, Learning & Outreach

Certificate of Practice

Awarded to:

Samuel Patrone

By the Caltech Center for Teaching, Learning, and Outreach
and the Caltech Future Faculty and Mentors (CFAM),
for the successful completion of a formal program of study in educational
research and pedagogy focused on teaching and learning. The candidate has
demonstrated proficiency in understanding and applying evidence-based
practices across a range of authentic teaching contexts.



Jasmine Bryant
Jasmine Bryant, Director

Melissa Dabiri
Melissa Dabiri, Associate Director





June 29, 2026

To Whom It May Concern,

It is our pleasure to affirm that **Samuel Patrone** has completed the 2025-26 requirements for a **Certificate of Practice in University Teaching** from the Center for Teaching, Learning, and Outreach (CTLO) and the Caltech Future Faculty and Mentors (CFAM) program. This candidate has completed a formal program of study in educational research, methods, and best practices. Through this program, candidates met with the Associate Director for University Teaching (CTLO) to plan and implement evidence-based practices into several teaching experiences. This candidate has demonstrated proficiency in understanding and applying effective teaching strategies across various authentic teaching scenarios.

In addition to this letter, all candidates will receive a **transcript notation** indicating their successful completion of the Certificate of Practice in University Teaching, and a **completion certificate**.

Successful completion of the Certificate of Practice requires individuals choose from a variety of learning and teaching experiences to fulfill the requirements for this letter and transcript notation, including required elements of synthesis and application of effective methods for teaching and learning, assessment and implementation of a teaching philosophy, and refinement of pedagogy through feedback and self-evaluation.

Candidates first build a background in educational pedagogy by taking the course *E110: Principles of University Teaching and Learning in STEM*. They are then required to thoughtfully apply this knowledge in several teaching experiences. Candidates must then reflect on their teaching experiences, and any areas for change or improvement. They must also obtain feedback on their teaching in the form of surveys and observations and then reflect on that feedback. Finally, candidates must create a teaching portfolio, including a teaching statement, to assist in their future role as an educator.

CFAM, advised by the CTLO at the California Institute of Technology, is led by advanced graduate students and seeks to support graduate students and post-doctoral fellows in their preparation for academic and other professional teaching positions.

For more information, please see

<https://ctlo.caltech.edu/universityteaching/programs/certificates#certificate-of-practice>

Sincerely,

Dr. David C. Chan
Professor of Biology;
Dean of Graduate Studies

Dr. Jasmine Bryant
Director for University Teaching,
Center for Teaching, Learning, & Outreach