CalTeach/MAST can help you prepare for your career as a K-12 STEM teacher!

Most teaching credential programs require preparation prior to post-graduate work. Careful planning as an undergraduate will satisfy these requirements:

- Choose courses that satisfy the requirements for your UC Davis General Education degree AND a credential program. Most credential prerequisites can be met using required General Education courses.
- Investigate your interest in teaching with experience in K-12 and UC Davis classrooms.
- Consider adding a minor in Education.

What students say about CalTeach/MAST:

- “Through the CalTeach/MAST program, I experienced the creative, inquisitive, and joyous nature of mathematics.”
- “CalTeach/MAST paired me with amazing, passionate teachers in science who reaffirmed my goal of being a teacher.”
  – Amy Wang, B.S. Alumna, Biology, 2017
- “I have CalTeach/MAST to thank for all the success I’ve had at UC Davis and getting me to where I am today. Through their nurturing and support, I was able to pursue my dream of being a high school chemistry teacher.”
  – Theresa Huang, B.S. Alumna, Chemistry, 2018; UC Davis credential student, 2018/19 cohort

CalTeach/MAST is a program for UC Davis students interested in exploring a career in math or science education. Our courses include an exploration of effective teaching practices and methods and include an active internship in local K-12 and UC Davis classrooms.
The CalTeach/MAST program offers:

- Advising support for academic success,
- Individualized academic and pre-professional mentoring,
- Information about multiple pathways towards a teaching credential,
- Seminars that explore effective mathematics and science teaching practices while interning in local K-12 and college classrooms,
- Opportunities to meet and network with other students considering careers in math or science teaching,
- Information about scholarships and financial aid for prospective teachers.

Is a career in STEM teaching right for you? CalTeach/MAST can help you decide!

K-12 Classroom Teaching Experience

CalTeach/MAST offers several seminar/internship courses that will introduce you to teaching methods and practices in classrooms. These courses will give you the opportunity to acquire required internship hours to enter a teaching credential program at either a UC campus or a California State University campus.

Internship course components:

- Seminar-style lecture taught by a math/science education master teacher.
- Internship under the guidance of a mentor teacher in a local K-12 or UC Davis classroom.

CalTeach/MAST courses:

GEL/EDU 081. The CalTeach/MAST I seminar is designed for college freshmen and sophomores and focuses on how individual students learn science and math in elementary classrooms.

GEL/EDU 181. The CalTeach/MAST II seminar is aimed primarily at college sophomores and juniors. Participants identify the learning needs of middle school students and create lesson plans to meet those needs.

GEL/EDU 183. The CalTeach/MAST III seminar for college juniors and seniors concentrates on teaching STEM topics in a high school classroom. This seminar focuses on how to best meet the educational and social needs of students.

GEL 186. Learning Assistant course. Advanced seminar course for continuing CalTeach/MAST students. Please contact mast@ucdavis.edu for more information.

Gel 185 A & B is designed for undergraduate non-STEM majors who are considering obtaining a multiple subject credential. This course focuses on teaching science in K-6 classrooms following the Next Generation Science Standards.