

Natural Sciences Education Minor with Teaching Credential (NSEC)

JOINT PROGRAM WITH
UC BERKELEY



About the NSEC Minor

NSEC is a joint program with UC Berkeley. Completing the NSEC minor allows students to graduate simultaneously with both a bachelor's degree from UC Merced and a Single Subject teaching credential in science or mathematics from UC Berkeley.

- Open to STEM majors at UC Merced (i.e. Biology, Math, Engineering majors)
- Spend a semester at UC Berkeley taking both teacher education coursework as well as courses from your major!
- Experience teaching in both rural and urban schools.
- Become part of a larger cohort of teachers from UC Berkeley and UC Merced!

NSEC Course Requirements (Completed at UC Merced) - 26 units

- NSED 23/24** or **NSED 33/34**: Introduction to Teaching Elementary School Science or Math Seminar and Fieldwork- 2 units

THEN

- NSED 43/44** or **53/54**: Introduction to Teaching Middle School Science or Math Seminar and Fieldwork- 2 units

OR

- NSED 63/64** or **73/74**: Introduction to Teaching High School Science or Math Seminar and Fieldwork- 2 units

- PSY 130**: Developmental Psychology- 4 units (Prerequisite: **PSY 001***)

- NSED 100**: Project Based Instruction: Assessment and Management for beginning Teachers- 4 units

Taken concurrently with NSED 174: Contemporary Issues in Teaching with Fieldwork- 1 unit

- NSED 120**: Classroom Interactions in Science and Mathematics: A focus on Equity in Urban and Rural Schools- 4 units

Taken concurrently with NSED 174: Contemporary Issues in Teaching with Fieldwork- 1 unit

- NSED 130**: Technology in Education- 3 units

- NSED 150**: Research Methods in Education- 4 units



NSEC Course Requirements (Completed at UC Berkeley) - 10 units

- EDUC 130**: Knowing and Learning in Mathematics and Science- 3 units

- HIST 100ST, 138T, 180T** or **182CT**: History of Science in the US and the Cal Teach Perspectives- 4 units

- UGIS/EDUC 122** or **EDSTEM 189**: Research Methods for Teachers or Summer Research Institute- 3 units

Recommended Courses

- HIST 16** or **POLI 001***: Forging of the US or Introduction to Political Science- 4 units

* All of the NSED courses are approved under the UC Merced General Education requirements.

Credential Program Coursework

* Prior to a student teaching, students are required to have passed the CBEST and CSET subtest

- UGIS 303** (Taken remotely at UC Berkeley): Supervised Apprentice Teaching- 3 units

- NSED 184**: Supervised Apprentice Teaching Fieldwork- 2-6 units

To add the minor, stop by the CalTeach office and meet with our advisor!

OFFICE LOCATION: Science & Engineering 1, Second Floor, Room 270

CalTeach Student Services Advisor: Cynthia Marmolejo | **Email:** cmarmolejo2@ucmerced.edu

Phone: (209) 288-4098 | **Website:** calteach.ucmerced.edu