

# 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

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

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

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