Natural Sciences Education Minor with Teaching Credential (NSEC)

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!

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