

NATURAL SCIENCES EDUCATION MINOR WITH TEACHING CREDENTIAL (NSEC)

JOINT PROGRAM WITH
UC BERKELEY

About the NSEC Minor

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!



Coursework

26 units completed at UC Merced

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

OR

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

- ☐ PSY 130 Developmental Psychology **OR** PSY 143 Abnormal Psychology- **4 units** (Prerequisite: PSY 001)

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

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

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

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

10 units completed during a semester at UC Berkeley

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

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

- ☐ UGIS c122: Research Methods for Science and Mathematics K-12 Teachers- **3 units**

OR

- ☐ UGIS 189: Integrating Research Methods into K-12 Teaching Summer Research Institute- **3 units**

Student Teaching for Credential Program - Graduating semester at UC Merced

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

- ☐ NSED 184: Supervised Apprentice Teaching Fieldwork - **Variable units up to 9 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: Jessica Teran Salazar | **Email:** jteransalazar@ucmerced.edu

Phone: 209-228-4098 | **Website:** calteach.ucmerced.edu



CBEST and CSETs

CBEST

California Basic Educational Skills Test

1. Visit: ctcexams.nesinc.com
2. Click on the **CBEST** link
3. Select CBEST from test options at the bottom of the page
4. Register for the following sections:
 - Reading
 - Mathematics
 - Writing
5. Select a testing date with a computer **or** paper based option and register for test
6. Study! Stop by our office for advice on study materials
7. CalTeach will reimburse for **one attempt** on the CBEST test if you have declared the NSED or NSEC minor.
8. Email ucmcalteach1@gmail.com for the reimbursement process

Exemptions from CBEST

The following requirements exempt you from having to take the CBEST. You may order an official copy of your score report for the following tests.

- Score of 3 or better on AP English AND AP Calculus
OR
- English ACT score of 22 or better AND Math SAT score of 23 or better
OR
- English SAT score of 500 or better AND Math SAT score of 550 or better

What can be done with your CBEST?

- You can sign up to be substitute teacher as an undergraduate once you have 90 units complete.
- The CBEST results or proof of exemption are important for teaching credential program applications.

CSET

California Subject Examination for Teachers

1. Visit: ctcexams.nesinc.com
2. Click on the **CSET** link
3. Select a test at the bottom of the page
 - A. Science
 - i. **Subtest I**- General Science
 - ii. **Subtest II**- Choose from biology, chemistry, earth and planetary science or physics
 - B. Mathematics
 - i. **Subtest I**- algebra and number theory
 - ii. **Subtest II**- geometry, probability and statistics
 - iii. **Subtest III**- calculus and history of mathematics
 - C. Multiple Subjects
 - i. **Subtest I**- language arts and history
 - ii. **Subtest II**- science and math
 - iii. **Subtest III**- P.E., human development, and art
4. Select a testing date and register for test
5. Study! Stop by our office for advice on study materials
6. CalTeach will reimburse for **one attempt on each CSET test** if you have declared the NSED or NSEC minor.
7. Email ucmcalteach1@gmail.com for the reimbursement process

* CalTeach recommends that students take each CSET subtest **separately** because they are content heavy.