

# NATURAL SCIENCES EDUCATION MINOR (NSED)



## Coursework

### Taken at UC Merced for the NSED minor

- ☐ 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**  
**THEN**
- ☐ PSY 130 OR PSY 143: Developmental Psychology- **4 units** (Prerequisite: PSY 001)
- ☐ NSED 100: Project Based Instruction: Assessment and Management for beginning Teachers -**4 units**
- ☐ NSED 120: Classroom Interactions in Science and Mathematics: A focus on Equity in Urban and Rural Schools- **4 units**
- ☐ Writing 115: Topics in Science Writing OR other upper division writing course- **4 units**
- ☐ HIST 16: Forging of the US- 4 units OR POLI 1\*: Introduction to Political Science- **4 units**

### Optional Courses

- ☐ NSED 130: Technology in Education- **4 units**
- ☐ NSED 150: Research Methods in Education- **4 units**
- ☐ NSED 174: Issues in Teaching with Fieldwork- **1 unit**

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

### What can I do with my NSED minor?

- Earn your teaching credential through one of our partner programs for a shortened time to getting your credential
  - **Fresno Pacific University**- offers multiple and single subject teaching credentials and an option to complete Masters of Arts in Teaching
  - **UC Merced Extension- Teacher Preparation Pathway (TPP)**- offers multiple and single subject teaching credentials
- UC Merced students who graduate with their Bachelors and have passed the CBEST and CSET subtest complete can be hired as an intern for local school districts while they are completing their teaching credential.

## About the NSED Minor

The NSED minor allows students to complete courses at UC Merced to introduce students to the classroom and develop skills used to run a classroom efficiently. This will help students gain experience and prepare them to excel through a teaching credential program.

- Open to ALL majors at UC Merced!
- The NSED minor provides most of the requirements for any teaching credential program in the State of California.
- Learn what it is like to be a teacher, including classroom management techniques.
- Gain over 60 hours of experience in an elementary, middle, or high school classroom!



**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](mailto:jteransalazar@ucmerced.edu)

**Phone:** 209-228-4098 | **Website:** [calteach.ucmerced.edu](http://calteach.ucmerced.edu)



# CBEST and CSETs

## CBEST

California Basic Educational Skills Test

1. Visit: [ctcexams.nesinc.com](http://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](mailto: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](http://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](mailto:ucmcalteach1@gmail.com) for the reimbursement process

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