NATURAL SCIENCES EDUCATION MINOR WITH TEACHING CREDENTIAL (NSEC)

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

THEN

☐ PSY 130, PSY 134, OR PSY 143: 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: 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

☐ 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

10 units completed during a semester at UC Berkeley

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

☐ HIST 138T, 180T or 187T: History of Science in the US and the Cal Teach Perspectives -4 units

☐ UGIS 188: 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- PE., 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.