

EDUCATIONAL STUDIES: STEM: SCIENCE CONCENTRATION, CERTIFICATE OF ACHIEVEMENT

3_CN_ESSC

The certificate serves as a career ladder approach to a credential or permit or as a stand-alone entity to document that a student has taken coursework related to subject matter proficiency and has acquired skills for successful employment as a teacher's aide, after-school program assistant, tutoring or other paraprofessional level classroom career.

The certificate is especially appropriate for students following various pathways to classroom teaching or an education-related field:

- The paraprofessional or aspiring paraprofessional teacher aides
- Homeschooling parents
- The aspiring paraprofessional or currently employed paraprofessional teacher-aide seeking a career ladder approach to a teaching credential and/or child development permit
- The teacher-aide paraprofessional who has decided against pursuing an AA and/or credential or permit but would like to acquire knowledge and skills/professional development relevant to serving as a teacher assistant or support staff in a classroom or school or related environment, concentrating on providing students support in science-related disciplines.
- Teacher preparation for students on a transfer pathway for a BA and Credential who also desire certificate recognition in Educational Studies STEM: with a Science Concentration.
- Independent tutors, students working with students in a science-related setting, seeking a certificate to augment and recognize their training and expertise.

In order to provide an additional pathway to an education-related career, the certificate is for students interested in an education/teaching-related career who prefer online classes and/or cannot always attend traditional face-to-face classes due to employment, marital status, family responsibilities, distance, and expenses incurred with traditional education schedules. All certificate classes are online.

Possible employment/illustrative examples: position requiring practical skills and knowledge to work with children in an after-school care, tutoring, or mentoring program/ (focusing on providing support in science-related disciplines); teacher's aide/ science area; teacher assistant elementary school classrooms/ magnet science schools; work with k-12 students in an after-school setting (upper grades/ remedial); provide tutoring/homework assistance, assist in academic enrichment programs; outdoor education group leader or assistant, science museum education assistant/ camp counselor for science specialty options; tutor; nanny; Disney; Lego theme park worker science fair coach.

Program Level Student Learning Outcomes

1. Work effectively with students, teachers, parents, colleagues, and administrators in a school and classroom setting
2. Apply knowledge, skills, and experience to make an informed choice to be employed or to continue study in the field of education.
3. Apply the certificate towards entry into a teaching credential or child development permit program, and/or the certificate may serve to document the acquisition of knowledge and skills relevant for employment as a teacher assistant or support staff in a classroom, school, or related environment.

Certificate Graduation Requirements

A Certificate is awarded upon completion of the required coursework with a grade of C or higher in each course. To receive the certificate, the student must file a petition for graduation during his/her final semester. In addition:

Certificate of Achievement

- Student must be in attendance at the time requirements are completed.
- Students must also earn a minimum of 12 units of coursework at Coastline, excluding experiential credit.
- A student with prior experience may be excused from certain certificate courses.
- 50 percent of the certificate program's units must be completed at Coastline no matter how the total number of units required for the certificate can be met.

Course	Title	Units
Required Core:		
CHEM C140 or PHYS C140	Survey of Chemistry and Physics	4
BIOL C100C	Introduction to Biology Lecture/Lab	4
GEOL C106	Earth Sciences for Teachers	4
EDUC C180	Family, School, and Community Partnerships	3
EDUC C104	Introduction to Teaching and Learning in Diverse Contemporary Classrooms	1
Total Units		16