

## Program Learning Outcomes

***Upon completion of the NSED and NSEC minor program, students are expected to:***

1. Be able to comprehensively articulate what constitutes a profession of a science or mathematics teacher and to demonstrate familiarity with the structure of the California K- 12 educational system, including being able to address the following:
  - a) Identify what constitutes the responsibilities and duties of a teacher.
  - b) Identify what skills and knowledge are necessary to become a successful professional.
  - c) Credentialing process in the State of California.
  - d) Location of the instructional state standards and requirements for K-12 education.
  - e) Introduction to strategies to address diverse demographics of California schools such as instruction to English Learners.
  
2. Demonstrate basic teaching skills and familiarity with effective teaching methodologies and learning strategies in science and mathematics, including being able to:
  - a) Develop a lesson plan and deliver an effective lesson at the primary or secondary school level.
  - b) Have the basic understanding the existence of different types of assessments to evaluate students learning in the K-12 environment.
  - c) Have a foundational ability to distinguish between students with different learning abilities and needs and adapt their teaching methodology to address this diversity.
  - d) Have a basic understanding of the existence of innovative teaching methodologies and to use learning-enhancing technology and how they can be incorporated in the classroom.