Natural Sciences - Chemistry Option, B.A.

DEPARTMENT

BA in Natural Sciences - Biology Option, B.A.
BA in Natural Sciences - Earth Science Option, B.A.
BA in Natural Sciences - Physics Option, B.A.
BA in Natural Sciences - Chemistry Option, B.A.

REQUIREMENTS

Science and Mathematics Interdisciplinary Programs

Bachelor of Arts Degree Requirements Natural Sciences Major - Chemistry Option

David M. Andrews,
Program Coordinator
559.278.5174

Chemistry Option

The B.A. in Natural Sciences Chemistry Option serves to establish subject matter competency through coursework as approved by the California Commission on Teacher Credentialing (CTC), which waives the California Subject Exam for Teachers (CSET), and streamlines the process for students to enter the Single Subject Teaching Credential program in Science. This degree program is primarily designed for students who plan to become middle or high school science teachers; however, the program is also suitable for students who have interest in other science career options. Please contact CSM Advising and Resources Center (ARC) at 559.278.4150 for advising and more information.

1. Major Requirements (75-76 units)

Core requirements (40 units)

Biology (12 units)
BIOL 1A, BIOL 1B, BIOL 1BL, BIOL 101, and BIOL 101L

Chemistry (10 units)
CHEM 1A, CHEM 1AL, CHEM 1B, CHEM 1BL

Geology (7 units)
EES 1 and EES 168

Math (4 units)
MATH 75

Natural Science (3 units)
NSCI 106

Physical Science (4 units)
PSCI 21

Chemistry Option (35-36 units)
PHYS 2A, PHYS 2B (see note 1) (8 units)
MATH 76 (4 units)
MATH 101 or MATH 102 or PSYCH 42 (4 units)
CHEM 128A (3 units)
CHEM 102 or CHEM 105, CHEM 108, CHEM 128B, CHEM 129A, CHEM 150 or CHEM 155A (16-17 units)

2. General Education requirements (48 units) (See note 2)

3. Other requirements (9 units)
American Government and Institutions (PLSI 2), Multicultural and International (MI), and Upper-division writing

4. Sufficient elective units to meet required total units (varies)
5. Total (120 units)*
* G.E. and MI courses can be double-counted with major requirements. See advisor for details.

Advising Notes for Chemistry Option within the Natural Sciences Major

1. Substitutions may be made with the permission of the appropriate department chair. PHYS 4A-B-C with labs 4AL, 4BL is recommended instead of PHYS 2A-B for those students well-prepared for physics.
2. This total assumes that students in this option will maximize 12 units required for the major that also may be applied to fulfill General Education requirements as follows: CHEM 1A/1AL (3 units), BIOL 1A (3 units), EES 168 (3 units) and, MATH 75 (3 units). Consult your major advisor for details.

In compliance with Federal Requirements for Posting Licensure and Certification Eligibility, please see the CSU Chancellor’s Office calstate.edu website.

FACULTY