Physical Science

Transfer
AS Degree in Physical Science

Physical Science Program
Counseling and Advising: (530) 895-2378
Transfer Counseling Center: (530) 895-2264
Transfer Information: www.assist.org
Department Office: TE 132, (530) 679-6106
Michael Panunto, Chair (530) 895-2229

About the Program
The transfer major listed here partially reflects requirements for CSU, Chico. Students planning to transfer should contact a counselor for more information on program and transfer requirements.

To obtain an Associate's degree, students must complete both the major requirements and the graduation requirements listed in this catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in this catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of this catalog.

AS Degree in Physical Science 60 Units Minimum

Student Learning Outcomes
Upon successful completion of this program, the student will be able to:

• Investigate and describe specific evidence used to construct individual scientific principles.
• Use scientific principles to explain well-established fundamental biological or physical phenomena and analyze their underlying components.
• Utilize scientific methodologies when solving a problem.
• Demonstrate knowledge of the interplay between the various physical sciences, how they align, and how they differ.
• Demonstrate how the physical sciences differ from the biological and social sciences.

Required courses for the major: 42 - 45 Units

Geoscience: Physical Science Education Option at CSU, Chico

CHEM 1 General Chemistry I (P) 5
CHEM 2 General Chemistry II (P) 5
GEOL 10 Physical Geology 3
GEOL 11 Physical Geology Laboratory (P) 1
GEOL 20 Historical Geology (P/C) 3
GEOL 21 Historical Geology Laboratory (C) 1
MATH 13 Survey of Calculus (P) 4
or MATH 30 Analytic Geometry and Calculus I (5) (P)
MATH 18 Introduction to Statistics (P) 3
or MATH 31 Analytic Geometry and Calculus II (4) (P)
PHYS 21 College Physics I (P) 4
and PHYS 22 College Physics II (4) (P)
or PHYS 41 Physics for Scientists and Engineers I (4) (P/C)
and PHYS 42 Physics for Scientists and Engineers II (4) (P/C)
CHEM 21 Organic Chemistry I (P) 5
BIOL 1 Introduction to Biology 4
or BIOL 13 Cell and Molecular Biology (5) (P)