Leads to teacher licensure in General Science 5-8, and Earth & Space Science 9-12. Students must complete 33 credits of Professional Education in addition to the 63 credits for the major. Admission to Major is granted by the department. Minimum university admission requirements are:
- a minimum of 32 earned semester credit hours.
- a minimum cumulative GPA of 2.00
Contact the department for application procedures.

SCIENCE TEACHING: EARTH SCIENCE MAJOR
(63 credits)

Required Science Courses (31 credits)
AST 101 Intro to Astronomy (3)
BIOL 105 General Biology I (4)
BIOL 106 General Biology II (4)
CHEM 201 General Chemistry I (5)
GEOL 121 Physical Geology (4)
GEOL 310 Earth & Space Systems (3)
PHYS 211* Principles of Physics I (4)
PHYS 212* Principles of Physics II (4)

* PHYS 221, PHYS 222, PHYS 223, PHYS 232 and PHYS 233 may substitute. The additional credit hours will reduce the number of credits in the advanced physics courses.

Required Core Courses (24 credits)
AST 125 Observational Astronomy (3)
GEOG 217 Weather (3)
GEOG 315 Geomorphology (3)
GEOG 410 Climatic Environments (3)
GEOL 122 Earth History (4)
GEOL 201 Elements of Mineralogy (4)
CHEM 479 Teaching Physical Science (4)

Required Research Courses (1-3 credits)
Choose ONE of the following:
GEOG 440 Field Studies: Colorado (3)
GEOG 440 Field Studies: Field Methods (3)
GEOG 480 Seminar (1-4)
GEOG 499 Individual Study (1-3)
GEOL 499 Individual Study (1-5)

Required Elective Courses (9 credits)
Choose from at least TWO departments
AST 102 Intro to the Planets (3)
AST 104 Intro to Experimental Astronomy (2)
GEOG 373 Intro to Geographic Info Systems (4)
GEOG 420 Conservation of Nat.’l Resources (3)
GEOL 330 Structural Geology (4)
GEOL 350 Environmental Geology (4)
GEOL 450 Hydrogeology (3)

Required General Education Course (3 credits)
HLTH 310 Drug Education (3)

Required Professional Education Courses (30 credits)
Block 1
KSP 210 Creating & Manag. Learn. Env. (2)
KSP 220W Human Rel. in a Multicul. Soc. (3)
Floating Course (can be taken with Block 1 or 2)
KSP 201 Media Utilization (2)
Clinical Hours for Block 1: 28

Block 2
KSP 310 Dev. & Learn. In Inclusive Class. (5)
Clinical Hours for Block 2: 30

Block 3
KSP 410 Phil. & Pract. In the Schools (3)
KSP 420 Plan., Instruct. & Eval. In School (3)
Clinical Hours for Block 3: 30

Block 4
KSP 475 Social Context of Learning (1)
KSP 477 5-12 Student Teaching (11)

Minor Required: None

The information listed comes from the University Bulletin and any discrepancies defer to the bulletin. This document is available in alternative format to individuals with disabilities by calling Student Relations, College of Social & Behavioral Sciences at (507)389-6303 (V) or (800) 627-3529 (MRS/TTY).