

NATURAL SCIENCE

This degree is appropriate for those pursuing pre-health science programs, programs in science teaching certification, and health and science support services. Pre-health science majors should consult pre-health science requirements, as well as natural science degree requirements. Potential teachers also should consult certification requirements.

Bachelor of Science in Natural Science

Required Natural Science Core (46 hours):

<i>Course</i>	<i>Title</i>	<i>Hours Required</i>
BIOL 1014	General Botany	4
BIOL 1114	General Zoology	4
BIOL 2254	Human Anatomy	4
BIOL 3124	Human Physiology	4
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1113	General Chemistry I	3
CHEM 1121	General Chemistry II Laboratory	1
CHEM 1123	General Chemistry II	3
PHYS 1301	General Physics I Laboratory	1
PHYS 2114	General Physics I	4
PHYS 1401	General Physics II Laboratory	1
PHYS 2124	General Physics II	4
NSCI 2113	Geology/Oceanography	3
NSCI 2123	Meteorology/Astronomy	3
MATH 1513	College Algebra	3
MATH 1613	Trigonometry	3

Required Natural Science Electives (16 hours): *division approval required*

Chemistry	8
<i>and</i>	
Biology	8

Bachelor of Science in Natural Science/ Teacher Certification

This program qualifies individuals to obtain an Oklahoma teaching certificate and teach biology, physics, chemistry, earth science, physical science and general science in grades 6-12. For a program checklist for teacher certification in science, students should consult the science education advisor.

Professional Education Core (34 hours)

Required Natural Science Core (46 hours)

Required Natural Science Electives (16 hours)

COURSE LISTINGS in NATURAL SCIENCE

0123 GENERAL SCIENCE

A general course in the biological and physical sciences that satisfies the requirement for meeting curricular deficiencies in this subject area. Required for students not meeting the science curricular requirement before taking other science courses including IDS 2013 and IDS 2023. No credit.

2113 GEOLOGY/OCEANOGRAPHY

Basic topics and principles in geology and oceanography. 3 hours.

- 2123 METEOROLOGY/ASTRONOMY
Basic topics and principles in meteorology and astronomy. 3 hours.
- 2423 SCIENCE IN THE ELEMENTARY SCHOOL
Content, processes, and attitudes of science commonly included or related to today's curriculum in primary and intermediate school grades. Laboratory experiences in life, earth, and physical science included. Does not meet degree requirements for science majors. 3 hours. Prerequisite: admission to Teacher Education.
- 2700 COLLOQUIUM IN THE SCIENCES
Course provides a forum for student and faculty presentations, viewing of videotapes, organizing field trips, discussion of science and technology-related subjects and developing a broad understanding of the ideas and methods of science. The Colloquium will serve as the organizational and administrative vehicle for the completion of the science portfolio. All majors in biology, chemistry, medical technology, natural science and physics are required to participate each fall and spring trimester. Students in science-related fields are encouraged to participate. Attendance is open to all students.
- 2701 COLLOQUIUM IN THE SCIENCES
Same as NSCI 2700, but with credit granted.
- 2880 SPECIAL TOPICS
Special topics in science. 1-3 hours (may be repeated for total of 6 hours).
- 2990 TUTORIAL
Independent study in science under faculty supervision. 1-3 hours (may be repeated for total of 6 hours with change in title and topic).
- 4463 TEACHING SCIENCE IN SECONDARY SCHOOL
Methods of teaching science in secondary school. 3 hours. Prerequisite: admission to Teacher Education and permission of instructor.
- 4522 SENIOR SCIENCE SEMINAR
A capstone experience in science to demonstrate academic development in the major field and science in general. Knowledge and the ability to communicate this orally and in written form will be demonstrated. All senior science majors will participate by turning in a completed portfolio, completing other exit requirements including senior oral and written examinations, and making a formal presentation to the science colloquium.
- 4880 SPECIAL TOPICS
Special topics in science. 1-3 hours (may be repeated for total of 6 hours).
- 4990 TUTORIAL
Independent study in science under faculty supervision. 1-3 hours (may be repeated for total of 6 hours with a change in title and topic).