

Bachelor of Science in Biology with Teacher Certification -- University of Science and Arts of Oklahoma

Interdisciplinary Studies (IDS) (44 hours)

	Hours	Trimester
IDS 1003 First Year Seminar	3	_____
IDS 1133 The Individual in Contemporary Society	3	_____
IDS 1113 English Comp I: Intro to College Writing	3	_____
IDS 1213 English Comp II: Writing About Literature	3	_____
IDS 1223 Contemporary Math	3	_____

Artistic Expression -- 2 hours

_____	_____	_____
_____	_____	_____
Physical Expression -- 2 hours		
KINE 1011 Concepts of Health and Fitness	1	_____
_____	_____	_____

Biology Major (59 hours) and Professional Education (34 hours)

24 hours in Biology, 12 hours in Chemistry, 9 hours in Mathematics, 8 hours in Physics, 6 hours in Environmental and Natural Science, 34 hours in Education

Biology Required Courses -- 24 hours

	Hours	Trimester
BIOL 1201 Principles of Biology Lab	1	_____
BIOL 1203 Principles of Biology	3	_____
BIOL 1301 Survey of Organisms Lab	1	_____
BIOL 1303 Survey of Organisms	3	_____
BIOL 2251 Human Anatomy Lab	1	_____
BIOL 2253 Human Anatomy	3	_____
BIOL 3121 Human Physiology Lab	1	_____
BIOL 3123 Human Physiology	3	_____
BIOL 3331 General Genetics Lab	1	_____
BIOL 3333 General Genetics	3	_____
BIOL 3811 Basic Microbiology Lab	1	_____
BIOL 3813 Basic Microbiology	3	_____

Chemistry Required Courses -- 12 hours

CHEM 1111 General Chemistry I Lab	1	_____
CHEM 1113 General Chemistry I	3	_____
CHEM 1121 General Chemistry II Lab	1	_____
CHEM 1123 General Chemistry II	3	_____
CHEM 3221 Organic Chemistry I Lab	1	_____
CHEM 3303 Organic Chemistry I	3	_____

Physics Required Courses -- 8 hours

PHYS 1301 General Physics I Lab	1	_____
PHYS 2113 General Physics I	3	_____
PHYS 1401 General Physics II Lab	1	_____
PHYS 2123 General Physics II	3	_____

Or substitute PHYS 2214 for PHYS 2113 and PHYS 2224 for PHYS 2123

A minimum of 122 credit hours is required

No more than 61 hrs of junior college credit may count towards 122

A minimum of 40 hours of upper division credit is required

	Hours	Trimester
IDS 2013 Foundations of Physical Science	3	_____
IDS 2023 Foundations of Life Science	3	_____
IDS 2011 Foundations of Science Lab	1	_____
IDS 2133 American Civilization I	3	_____
IDS 2143 American Civilization II	3	_____
IDS 3223 Political and Economic Systems and Theories	3	_____
IDS 3313 World Thought and Culture I	3	_____
IDS 3323 World Thought and Culture II	3	_____
IDS 4333 World Thought and Culture III	3	_____

Mathematics Required Courses -- 9 hours

	Hours	Trimester
MATH 1513 College Algebra	3	_____
MATH 1613 Trigonometry	3	_____
MATH 2203 Elementary Statistics	3	_____

Environmental and Natural Science Required Courses -- 6 hours

ENVR 2003 Earth System Science	3	_____
ENVR 2103 Introduction to Environmental Science	3	_____

Professional Education -- 34 hours

EDUC 2002 Orientation to Teaching	2	_____
EDUC 2011 Level 1 Clinical Experiences	1	_____
EDUC 2022 Education of the Exceptional Child	2	_____
EDUC 2103 Human Development & Learning	3	_____
EDUC 3102 Educational Psychology	2	_____
EDUC 3203 School and Society	3	_____
EDUC 3211 Level 2 Clinical Experiences	1	_____
EDUC 3343 Educational Technology	3	_____
EDUC 4442 Classroom Management and Evaluation	2	_____
NSCI 4463 Teaching Science in Secondary School	3	_____
EDUC 4542 Applied Professional Studies	2	_____
EDUC 4310 Student Teaching	10	_____

Foreign Language Requirement

_____	_____	_____
_____	_____	_____

Computer proficiency is required

Degree requirements effective August 2025



Bachelor of Science in Biology/Teacher Certification -- University of Science and Arts of Oklahoma

Personal Information

Name _____

Address _____

City _____ Zip _____

Cell _____ Home _____

Student ID # _____

Advisor _____

Date _____

Email _____

Email _____

CEOE REQUIREMENT (for certification)

OK Subject Area Test (OSAT):

Area	Date Passed	Score
_____	_____	_____
_____	_____	_____

Praxis Performance Assessment for Teachers (PPAT):

Area	Date Passed	Score
_____	_____	_____

General Information

Date Admitted to Teacher Education _____

Passed English Proficiency Requirement _____

Date Accepted for Professional Trimester _____

Satisfactory Portfolio _____

Computer Proficiency _____

The biology major exit exam and biology OSAT are required

Completion of a professional portfolio and state exams are required

A grade of C or better is required in all professional education courses

General Requirements

Overall Grade Point Average	2.50
Grade Point Average in Area of Specialization	2.75

Total Hours Completed
Hours in Math

Hrs.	GPA
_____	_____
_____	_____

