

Bachelor of Science in Biology -- University of Science and Arts of Oklahoma

Interdisciplinary Studies (IDS) (46-48 hours)

	Hours	Trimester
IDS 1013 Rhetoric and Critical Thinking	3	_____
IDS 1133 The Individual in Contemporary Society	3	_____
IDS 1113 Introduction to College Writing	3	_____
IDS 1213 Writing about Literature	3	_____
IDS 1223 Mathematics in the Modern World	3	_____

Artistic Expression -- 2 hours

_____	_____	_____
_____	_____	_____

Physical Expression -- 2 hours

PHED 1011 Concepts of Health and Fitness	1	_____
_____	_____	_____

Biology Major (71 hours)

36 hours in Biology, 16 hours in Chemistry, 8 hours in Physics, 6 hours in Mathematics, 3 hours in Computer Science, 2 hours in Natural Science

Biology Required Courses -- 20 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 3331 General Genetics Lab	1	_____
BIOL 3333 General Genetics	3	_____
BIOL 3511 Cellular & Molecular Biology Lab	1	_____
BIOL 3523 Cellular & Molecular Biology	3	_____
BIOL 4501 Principles of Ecology Lab	1	_____
BIOL 4503 Principles of Ecology	3	_____

Biology Elective Courses -- 16 hours (BIOL or CHEM 3321 & 3323 use once)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Mathematics Required Courses -- 6 - 9 hours

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

Or substitute MATH 1743 for MATH 1513 and MATH 1613

A minimum of 124 hours is required

A minimum of 40 hours of upper division work is required

The biology major exit exam is required

Degree requirements effective July 2022

	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	_____
IDS 4522 or Senior Seminar or	2	_____
IDS 4552 Research Project II (prerequisite: IDS 4462)	2	_____

Chemistry Required Courses -- 12 hours

	Hours	Trimester
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	_____

Chemistry Elective Courses -- 4 hours minimum (CHEM 3321 & 3323 use once)

_____	_____	_____
_____	_____	_____

Physics Required Courses -- 8 - 10 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

Computer Science Required Course -- 3 hours

CSCI 1143 Introduction to Computing	3	_____
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Natural Science Required Course -- 2 hours

NSCI 2102 Scientific Writing	2	_____
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Additional Required Courses

NSCI 1710 Success in STEM	0	_____
NSCI 2710 STEM Communication	0	_____
NSCI 3710 Next Step Preparation	0	_____

Or substitute NSCI 1711, 2711, and 3711 for the corresponding course(s) above

Elective Courses -- 7 hours

_____	_____	_____
_____	_____	_____

