

Bachelor of Science in Chemistry -- 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	_____
_____	_____	_____

Chemistry Major (64 hours)

40 hours in Chemistry, 6 hours in Mathematics, 11 hours in Physics, 3 hours in Computer Science, 4 hours in Natural Science

Chemistry Required Courses -- 28 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 3011 Analytical Lab	1	_____
CHEM 3013 Analytical Chemistry	3	_____
CHEM 3221 Organic Chemistry I Lab	1	_____
CHEM 3303 Organic Chemistry I	3	_____
CHEM 3311 Organic Chemistry II Lab	1	_____
CHEM 3313 Organic Chemistry II	3	_____
CHEM 4411 Physical Chemistry I Lab	1	_____
CHEM 4413 Physical Chemistry I	3	_____
CHEM 4421 Physical Chemistry II Lab	1	_____
CHEM 4433 Physical Chemistry II	3	_____

Chemistry Elective Courses -- 12 hours

_____	_____	_____
_____	_____	_____
_____	_____	_____

Physics Required Courses -- 11 - 13 hours

PHYS 1301 General Physics I Lab	1	_____
PHYS 2113 or General Physics I or	3	_____
PHYS 2214 General Physics I with Calculus	4	_____
PHYS 1401 General Physics II Lab	1	_____
PHYS 2123 or General Physics II or	3	_____
PHYS 2224 General Physics II with Calculus	4	_____
PHYS 3013 Math & Computational Meth in Physical Sciences	3	_____

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	_____

Mathematics Prerequisite Courses

	Hours	Trimester
MATH 1513 College Algebra	3	_____
MATH 1613 Trigonometry	3	_____

Mathematics Required Courses -- 6 hours

MATH 1743 Calculus & Analytic Geometry I	3	_____
MATH 2223 Calculus & Analytic Geometry II	3	_____

Computer Science Required Course -- 3 hours

CSCI 1143 Introduction to Computing	3	_____
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Natural Science Required Course -- 4 hours minimum

NSCI 1710 or Success in STEM or	0	_____
NSCI 1711 Success in STEM	1	_____
NSCI 2102 Scientific Writing	2	_____
NSCI 2710 or STEM Communication or	0	_____
NSCI 2711 STEM Communication	1	_____
NSCI 3710 or Next Step Preparation or	0	_____
NSCI 3711 Next Step Preparation	1	_____

Elective Courses -- 14 hours

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

A minimum of 124 hours is required

A minimum of 40 hours of upper division work is required

The chemistry major exit exam is required

Degree requirements effective July 2022

