

Bachelor of Science in Mathematics -- 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	Introduction to College Writing	3	_____
IDS 1213	Writing about Literature	3	_____
IDS 1223	Mathematics in the Modern World	3	_____

Artistic Expression -- 2 hours

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_____	_____	_____	_____

Physical Expression -- 2 hours

PHED 1011	Concepts of Health and Fitness	1	_____
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Mathematics Major (36 hours)

30 hours in Mathematics, 3 hours in Physics, 3 hours in Computer Science

Mathematics Prerequisite Courses		Hours	Trimester
MATH 1513	College Algebra	3	_____
MATH 1613	Trigonometry	3	_____

Mathematics Required Courses -- 18 hours

MATH 1743	Calculus & Analytic Geometry I	3	_____
MATH 2223	Calculus & Analytic Geometry II	3	_____
MATH 2243	Calculus & Analytic Geometry III	3	_____
MATH 3263	Calculus & Analytic Geometry IV	3	_____
MATH 3253	Foundations of Mathematics	3	_____
MATH 3323	Modern Algebra I	3	_____

Mathematics Elective Courses -- 12 hours

MATH 3233	Linear Algebra	3	_____
MATH 3313	Advanced Euclidean Geometry	3	_____
MATH 3333	Modern Algebra II	3	_____
MATH 3353	Differential Equations	3	_____
MATH 3363	Advanced Calculus I	3	_____
MATH 3373	Advanced Calculus II	3	_____
MATH 4303	Probability and Statistics I	3	_____
MATH 4403	Probability and Statistics II	3	_____
MATH 4413	Numerical Analysis	3	_____
MATH 4423	Complex Variable Theory	3	_____

Physics Required Course -- 3 - 4 hours

PHYS 2113 or	General Physics I or	3	_____
PHYS 2214	General Physics I with Calculus	4	_____

Computer Science Required Course -- 3 hours

CSCI 1143	Introduction to Computing	3	_____
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A minimum of 122 hours is required

A minimum of 40 hours of upper division work 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	_____

Additional Required Courses

		Hours	Trimester
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 -- 42 hours

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**The mathematics major exit exam is required
Degree requirements effective July 2023**

