

## Bachelor of Science in Mathematics -- University of Science and Arts of Oklahoma

<b>Interdisciplinary Studies (IDS) (46-48 hours)</b>		Hours	Trimester			Hours	Trimester
IDS 1013	Rhetoric and Critical Thinking	3	_____	IDS 2013	Foundations of Physical Science	3	_____
IDS 1133	The Individual in Contemporary Society	3	_____	IDS 2023	Foundations of Life Science	3	_____
IDS 1113	Introduction to College Writing	3	_____	IDS 2011	Foundations of Science Lab	1	_____
IDS 1213	Writing about Literature	3	_____	IDS 2133	American Civilization I	3	_____
IDS 1223	Mathematics in the Modern World	3	_____	IDS 2143	American Civilization II	3	_____
<b>Artistic Expression -- 2 hours</b>				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	_____
<b>Physical Expression -- 2 hours</b>				IDS 4333	World Thought and Culture III	3	_____
PHED 1011	Concepts of Health and Fitness	1	_____	IDS 4522 or	Senior Seminar or	2	_____
_____	_____	_____	_____	IDS 4552	Research Project II (prerequisite: IDS 4462)	2	_____
<b>Mathematics Major (36 hours)</b>							
<b>30 hours in Mathematics, 3 hours in Physics, 3 hours in Computer Science</b>							
<b>Mathematics Prerequisite Courses</b>		Hours	Trimester	<b>Additional Required Courses</b>		Hours	Trimester
MATH 1513	College Algebra	3	_____	NSCI 2710 or	STEM Communication or	0	_____
MATH 1613	Trigonometry	3	_____	NSCI 2711	STEM Communication	1	_____
<b>Mathematics Required Courses -- 18 hours</b>				NSCI 3710 or	Next Step Preparation or	0	_____
MATH 1743	Calculus & Analytic Geometry I	3	_____	NSCI 3711	Next Step Preparation	1	_____
MATH 2223	Calculus & Analytic Geometry II	3	_____	<b>Elective Courses -- 42 hours</b>			
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	_____	_____	_____	_____	_____
<b>Mathematics Elective Courses -- 12 hours</b>				_____	_____	_____	_____
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	_____	_____	_____	_____	_____
<b>Physics Required Course -- 3 - 4 hours</b>				_____	_____	_____	_____
PHYS 2113 or	General Physics I or	3	_____	_____	_____	_____	_____
PHYS 2214	General Physics I with Calculus	4	_____	_____	_____	_____	_____
<b>Computer Science Required Course -- 3 hours</b>				_____	_____	_____	_____
CSCI 1143	Introduction to Computing	3	_____	_____	_____	_____	_____

**A minimum of 124 hours is required**  
**A minimum of 40 hours of upper division work is required**

The mathematics major exit exam is required  
Degree requirements effective July 2022

