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

IDS 1033   First Year Seminar   3   IDS 2013   Foundations of Physical Science   3   IDS 1133   The Individual in Contemporary Society   3   IDS 2023   Foundations of Science Lab   1   IDS 1133   English Comp I: Intro to College Writing   3   IDS 2011   Foundations of Science Lab   1   IDS 1213   English Comp I: Writing About Literature   3   IDS 2011   Foundations of Science Lab   1   IDS 1213   English Comp I: Writing About Literature   3   IDS 2011   Foundations of Science Lab   1   IDS 1213   English Comp I: Writing About Literature   3   IDS 2013   American Civilization I   3   IDS 1223   Contemporary Math   3   IDS 2023   Political and Economic Systems and Theories   3   IDS 2023   World Thought and Culture I   3   IDS 2023   I	Interdiscir	plinary Studies (IDS) (44 hours)	Hours	Trimester			Hours	Trimester
IDS 1133	-				IDS 2013	Foundations of Physical Science		
IDS 1113						-		
IDS 1213								
IDS 1223   Contemporary Math   3								
Artistic Expression 2 hours							-	
IDS 3313   World Thought and Culture II   3   1   1   1   3   1   1   3   1   1		. ,						
Physical Expression 2 hours KINE 1011 Concepts of Health and Fitness 1  Mathematics Major (39 hours) 30 hours in Mathematics, 3 hours in Physics, 3 hours in Computer Science, 3 hours in Natural Science  Mathematics Prerequisite Courses 6 hours Hours Trimester Natural Science Required Courses 3 hours Mathematics 7 reigness 1 not 1 n	AI CISCIC EXP	1035011 2 110413				· ·		
Physical Expression - 2 hours   Concepts of Health and Fitness   1						_	_	
Mathematics Major (39 hours)  30 hours in Mathematics, 3 hours in Physics, 3 hours in Computer Science, 3 hours in Natural Science Required Courses 3 hours  Mathematics Prerequisite Courses 6 hours  Mathematics   Prerequisite Courses 6 hours   Hours   Trimester   Natural Science Required Courses 3 hours   Hours   Hours   Trimester   Natural Science Required Courses 3 hours	Physical Expression 2 hours							
A30 hours in Hathematics, 3 hours in Physics, 3 hours in Physics, 3 hours in Physics, 3 hours         Hours         Trimester         Natural Science Required Courses 3 hours         Hours         Trimester           MATH 1513         College Algebra         3         NSCI 3711         Next Step Preparation         1         ————————————————————————————————————	-		1		103 1333	World Thought and Caltare III	J	
Mathematics Prerequisite Courses 6 hours	Mathemat	ics Major (39 hours)						
MATH 1513         College Algebra         3         NSCI 3711         Next Step Preparation         1           MATH 1613         Trigonometry         3         NSCI 3102         STEM Communication through Outreach         2           MATH 1743         Calculus & Analytic Geometry I         3         CSCI 1143         Introduction to Computing         3           MATH 2223         Calculus & Analytic Geometry II         3         Elective Courses 33-39 hours           MATH 2243         Calculus & Analytic Geometry III         3         Elective Courses 33-39 hours           MATH 3253         Calculus & Analytic Geometry IV         3         Selective Courses 33-39 hours           MATH 3323         Modern Algebra I         3         Selective Courses 33-39 hours           MATH 3323         Modern Algebra I         3         Selective Courses 12 hours           MATH 3323         Linear Algebra         3         Selective Courses 12 hours           MATH 3313         Modern Geometry         3         Selective Courses 12 hours           MATH 3313         Modern Algebra II         3         Selective Courses 12 hours           MATH 3313         Modern Algebra II         3         Selective Courses 12 hours           MATH 3333         Modern Algebra II         3			in Compute	er Science, 3 h				
MATH 1613 Trigonometry 3 NSCI 3102 STEM Communication through Outreach 2 Computer Science Required Course 3 hours  MATH 1743 Calculus & Analytic Geometry I 3 SCI 1143 Introduction to Computing 3 MATH 2243 Calculus & Analytic Geometry III 3 SCI 1143 Introduction to Computing 3 SCI 1143 Introduction to Co	Mathematic	s Prerequisite Courses 6 hours	Hours	Trimester	Natural Sci	ence Required Courses 3 hours	Hours	Trimester
Mathematics Required Courses 18 hours  MATH 1743 Calculus & Analytic Geometry I	MATH 1513		3		NSCI 3711	·	1	
MATH 1743 Calculus & Analytic Geometry I 3	MATH 1613	Trigonometry	3				2	
MATH 2223       Calculus & Analytic Geometry III       3       Elective Courses 33-39 hours         MATH 3243       Calculus & Analytic Geometry IV       3       —         MATH 3253       Foundations of Mathematics       3       —         MATH 3323       Modern Algebra I       3       —         MATH 3203       Advanced Statistics & Data Analysis       3       —         MATH 3313       Modern Geometry       3       —       —         MATH 3333       Modern Geometry       3       —       —         MATH 3331       Modern Geometry       3       —       —         MATH 3333       Modern Algebra II       3       —       —         MATH 3353       Differential Equations       3       —       —         MATH 3373       Advanced Calculus I       3       —       —         MATH 4403       Probability and Statistics I       3       —       —         MATH 4413       Numerical Analysis       3       —	Mathematics Required Courses 18 hours			Computer S	Science Required Course 3 hours			
MATH 2243 Calculus & Analytic Geometry III 3	MATH 1743	Calculus & Analytic Geometry I	3		CSCI 1143	Introduction to Computing	3	
MATH 3263       Calculus & Analytic Geometry IV       3         MATH 3253       Foundations of Mathematics       3         MATH 3323       Modern Algebra I       3         MATH 3203       Advanced Statistics & Data Analysis       3         MATH 3233       Linear Algebra       3         MATH 3313       Modern 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 4403       Probability and Statistics I       3         MATH 4403       Probability and Statistics II       3         MATH 4413       Numerical Analysis       3         MATH 4423       Complex Variable Theory         Physics Required Course 3 - 4 hours       9         PHYS 2113 or General Physics I or       3	MATH 2223	Calculus & Analytic Geometry II	3					
MATH 3253       Foundations of Mathematics       3         MATH 3323       Modern Algebra I       3         Math 3323       Modern Algebra I       3         MATH 3203       Advanced Statistics & Data Analysis       3         MATH 3233       Linear Algebra       3         MATH 3313       Modern Geometry       3         MATH 3333       Modern Algebra II       3         MATH 3353       Differential Equations       3         MATH 3363       Advanced Calculus I       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         Physics Required Course 3 - 4 hours       Physics Required Course 3 - 4 hours	MATH 2243	Calculus & Analytic Geometry III	3		Elective Co	urses 33-39 hours		
MATH 3323       Modern Algebra I       3         Mathematics Elective Courses 12 hours       —         MATH 3203       Advanced Statistics & Data Analysis       3         MATH 3233       Linear Algebra       3         MATH 3313       Modern Geometry       3         MATH 3333       Modern Algebra II       3         MATH 3353       Differential Equations       3         MATH 3363       Advanced Calculus I       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         Physics Required Course 3 - 4 hours       9         PHYS 2113 or General Physics I or       3	MATH 3263	Calculus & Analytic Geometry IV	3					
Mathematics Elective Courses 12 hours  MATH 3203 Advanced Statistics & Data Analysis 3  MATH 3233 Linear Algebra 3  MATH 3313 Modern Geometry 3  MATH 3333 Modern Algebra II 3  MATH 3353 Differential Equations 3  MATH 3363 Advanced Calculus I 3  MATH 3373 Advanced Calculus I 3  MATH 4303 Probability and Statistics I 3  MATH 4403 Probability and Statistics II 3  MATH 4413 Numerical Analysis 3  MATH 4413 Complex Variable Theory  Physics Required Course 3 - 4 hours  PHYS 2113 or General Physics I or 3	MATH 3253	Foundations of Mathematics	3					
MATH 3203       Advanced Statistics & Data Analysis       3         MATH 3233       Linear Algebra       3         MATH 3313       Modern Geometry       3         MATH 3333       Modern Algebra II       3         MATH 3353       Differential Equations       3         MATH 3363       Advanced Calculus I       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         Physics Required Course 3 - 4 hours         PHYS 2113 or       General Physics I       or       3	MATH 3323	Modern Algebra I	3					
MATH 3233       Linear Algebra       3	Mathematic	s Elective Courses 12 hours			<del></del>			
MATH 3313       Modern 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         Physics Required Course 3 - 4 hours         PHYS 2113 or General Physics I or       3	MATH 3203	Advanced Statistics & Data Analysis	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         Physics Required Course 3 - 4 hours       9         PHYS 2113 or General Physics I or       3	MATH 3233	Linear Algebra	3					
MATH 3353 Differential Equations 3 SMATH 3363 Advanced Calculus I SMATH 3373 Advanced Calculus II SMATH 4303 Probability and Statistics I SMATH 4403 Probability and Statistics II SMATH 4413 Numerical Analysis SMATH 4423 Complex Variable Theory SMATH 4423 Complex Variable Theory SMATH 4423 General Physics I or SMATH 4423 General Physics I or SMATH 4423 General Physics I or SMATH 4423 Complex Variable Theory SMATH 4423 General Physics I or SMATH 4423 General Physics I or SMATH 4423 Complex Variable Theory SMATH 4423 General Physics I or SMATH 4423 Complex Variable Theory	MATH 3313	Modern Geometry	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         Physics Required Course 3 - 4 hours       9         PHYS 2113 or General Physics I or       3	MATH 3333	Modern Algebra II	3					
MATH 3373 Advanced Calculus II 3 SMATH 4303 Probability and Statistics I 3 SMATH 4403 Probability and Statistics II 3 SMATH 4413 Numerical Analysis 3 SMATH 4423 Complex Variable Theory Statistics I SMATH 4423 Complex Variable Theory SMATH 4423	MATH 3353	Differential Equations	3					
MATH 4303 Probability and Statistics I 3	MATH 3363	Advanced Calculus I	3					
MATH 4403 Probability and Statistics II 3	MATH 3373	Advanced Calculus II	3					
MATH 4403       Probability and Statistics II       3	MATH 4303	Probability and Statistics I	3					
MATH 4413       Numerical Analysis       3         MATH 4423       Complex Variable Theory         Physics Required Course 3 - 4 hours	MATH 4403		3					
MATH 4423 Complex Variable Theory  Physics Required Course 3 - 4 hours  PHYS 2113 or General Physics I or 3	MATH 4413	•	3					
Physics Required Course 3 - 4 hours	MATH 4423	· ·						
PHYS 2113 or General Physics I or 3 3	Physics Red							
			3					
		General Physics I with Calculus						

No more than 61 hrs of junior college credit may count towards 122 A minimum of 40 hours of upper division credit is required A minimum of 122 credit hours is required Degree requirements effective August 2025

