

# Bachelor of Science in Physics -- 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		

### Artistic Expression -- 2 hours


### Physical Expression -- 2 hours

PHED 1011	Concepts of Health and Fitness	1	

### Physics Major (57 hours)

#### 28 hours in Physics, 18 hours in Mathematics, 8 hours in Chemistry, 3 hours in Computer Science

#### Physics Required Courses -- 28 hours

	Hours	Trimester
PHYS 1301	1	
PHYS 2113 or	3	
PHYS 2214	4	
PHYS 1401	1	
PHYS 2123 or	3	
PHYS 2224	4	
PHYS 2513	3	
PHYS 3013	3	
PHYS 3113	3	
PHYS 3213	3	
PHYS 4003	3	
PHYS 4102	2	
PHYS 4113	3	

#### Mathematics Prerequisite Courses

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 3233	Linear Algebra	3	
MATH 3353	Differential Equations	3	

#### Computer Science Required Course -- 3 hours

CSCI 1143	Introduction to Computing	3	
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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)	4	

#### Chemistry Required Courses -- 8 hours

	Hours	Trimester
CHEM 1111	1	
CHEM 1113	3	
CHEM 1121	1	
CHEM 1123	3	

#### Additional Required Courses

NSCI 1710 or	Success in STEM or	0	
NSCI 1711	Success in STEM	1	
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 -- 21 hours


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

**The physics major exit exam is required**  
**Degree requirements effective July 2022**

