

## Degree: B.A.

## **Major: Physics and Mathematics (Teaching Emphasis)**

2024 - 2025

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COMMON CO	DRE (20 hours)	Credit
	the following courses.	Hours
CORE 1002	OBU Connections <sup>†</sup>	2
CORE 1023	The Contemporary World	3
CORE 1043	Composition I	3
CORE 1113	Survey of the Bible	3
CORE 1123	Interpreting the Bible	3
CORE 2233	World Literature	3
CORE 2243	History of World Societies	3
CORE 2334	Scientific Inquiry (Satisfied by major)	0
CORE 3023	Scientific Connections (Satisfied by major)	0
FLEXIBLE C	ORE (18 hours)	
	ted from each of the seven categories.	
Analytic & Q	uantitative Reasoning (Choose one)	
MATH 1003	College Algebra (Satisfied by major)	
MATH 1033	Mathematics for the Liberal Arts	0
PHIL 1003	Introduction to Philosophy	
PHIL 1023	Logic	
Applied Skill	S (Choose one)	
COMM 1003	Fundamentals of Public Speaking (Reg. for major)	3
FINN 2003	Personal Finance	
Artistic Enga	igement (Choose two)	
May be satisfied by	participation in the European Study Program.	
ÉINA 3113	Fine Arts: Art	
FINA 3123	Fine Arts: Music	3
FINA 3133	Fine Arts: Theatre	
Civic Engage	ement in America (Choose one)	
PSCI 2013	American National Government	
HIST 2003	United States History to 1877	3
HIST 2013	United States History Since 1877	
Intercultural	Appreciation and Communication <sup>†</sup> (Choose two)	
	of credit in the same foreign language. May also be	6
satisfied by app	proved language-intensive study-abroad experience.	-
Physical We	II-being (One course)	
KIN 1002	Concepts of Wellness	3
KIN 2073	Health and Safety (Required for major)	
KIN 2013	Outdoor Leisure Pursuits	
EXPERIENTI	AL CORE (1 hour)	
CHAP 1000	Chapel (7 credits required)	0
FINA 4011	Arts Engagement Series	1
Total Core R		39
<sup>†</sup> For more detail, refer to the School of Interdisciplinary Studies section of the ca		

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GENERAL GRADUATION REQUIREMENTS		
7 Chapel Credits, or 1 per semester for transfer students		
2.000 minimum GPA (overall, OBU, major, and minor)		
At least 24 hours with grades of C or higher in the major		
Jr./Sr. Hours: At least 39 total, 12 in the major and 6 in the minor		
At least 60 hours taken at OBU, including 30 of last 36 hours.		
CRITERIA FOR ADMISSION & RETENTION TO TEACHER EDUCATION		
Maintain a minimum 2.700 cumulative GPA in all areas		

Minimum grade of C in Composition I, Math for Elementary Teachers I, and Foundations of Education Minimum ACT Composite score of 24 (minimum score of 22 on the Math,

Reading, and Writing sections) or minimum state scores on the Praxis Core Tests for Math, Reading, and Writing.

Satisfactory evaluation by academic advisor and two other faculty members

MAJOR		Credit Hours	
PHYS 2054,	University Physics I,	HOUIS	
PHYS 2064 or	University Physics I,		
PHYS 2024,	College Physics I	8	
PHYS 2034	College Physics I		
PHYS 2073	University Physics III	3	
PHYS 3004	Introduction to Modern Physics	4	
PHYS 4501	Physics Education Proficiency	1	
ENGR 3124	Electrical Circuits	4	
	junior/senior-level PHYS hours	4	
MATH 2014	Calculus I	4	
MATH 2024	Calculus II		
MATH 3003	Foundations of Geometry	4	
MATH 3034	Calculus III	4	
MATH 3063	Probability and Statistics	3	
MATH 4013	Methods in Secondary Mathematics	3 3 3 4	
MATH 4883	Mathematics for Secondary Teachers	3	
CSCI 1044	Programming I		
TOTAL		52	
SECONDARY E	EDUCATION MAJOR AND 7-12 LICENSURE		
EDFN 2003	Foundations of Education	3	
EDFN 2053	Child and Adolescent Development		
EDFN 3083°	Teaching Exceptional Learners	3	
EDFN 41230	Learning Theories & Assessment Practices	3 3 3 3 3 3 7	
EDFN 4303∞	Student Teaching Seminar I	3	
EDFN 4403 <sup>\circ</sup>	Student Teaching Seminar II	3	
EDFN 4407∞	Student Teaching I		
EDFN 4419∞	Student Teaching II	9	
SCED 3043	Secondary Methods & Classroom Management	3	
TOTAL		37	
<ul> <li>Requires admission to the Teacher Education Program and Praxis II Test(s).</li> <li>Requires Praxis II: Principles of Learning and Teaching for graduation and licensure.</li> </ul>			

MINOR: The minor requirement is waived.

ELECTIVES: Choose courses to total 120 hours, including 39 Jr/Sr-level hours.

CREDIT HOUR SUMMARY	
CORE	39
PHYSICS / MATHEMATICS MAJOR	52
SECONDARY EDUCATION MAJOR	37
TOTAL	128