

## Degree: B.S.

## **Major: Engineering Physics**

## 2024 - 2025

COMMON CO	Credit			
	ne 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		
	RE (17-18 hours)			
	ed from each of the seven categories.			
	antitative Reasoning (Satisfied by Additional Area			
Requirements)	PI less than 80 must take one of the MATH courses.			
MATH 1003	College Algebra			
MATH 1003 MATH 1033	Mathematics for the Liberal Arts	0		
PHIL 1003	Introduction to Philosophy	0		
PHIL 1003	Logic			
Applied Skills				
	Fundamentals of Public Speaking	3		
FINN 2003	Personal Finance	5		
Artistic Engagement (Choose one) May be satisfied by participation in the European Study Program.				
FINA 3113	Fine Arts: Art	3		
FINA 3123	Fine Arts: Music	0		
FINA 3133	Fine Arts: Theatre			
	nent in America (Choose one)			
PSCI 2013	American National Government	3		
HIST 2003	United States History to 1877	0		
HIST 2003	United States History Since 1877			
	ppreciation and Communication <sup>†</sup> (Choose two)			
	of credit in the same foreign language. May also be	6		
	roved language-intensive study-abroad experience.	0		
	being (One course)			
KIN 1002	Concepts of Wellness	2-3		
KIN 2073	Health and Safety	20		
KIN 2013	Outdoor Leisure Pursuits			
EXPERIENTIAL CORE (1 hour)				
CHAP 1000	Chapel (7 credits required)	0		
FINA 4011	Arts Engagement Series	1		
Total Core Rec	· · · · · · · · · · · · · · · · · · ·	38-39		
	<sup>†</sup> For more detail, refer to the School of Interdisciplinary Studies section of the catalog.			

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.		

MAJOR		Credit
MAJUK		Hours
PHYS 1123	Intro to Physics & Engineering (or ENGR 1123)	3
PHYS 2054, 2064	University Physics I & II or	8
PHYS 2024, 2034	College Physics I & II	-
PHYS 2073	University Physics III	3
PHYS 3004	Intro to Modern Physics	4
PHYS 3033	Electricity and Magnetism I or	3
PHYS 4043	Introduction to Quantum Mechanics	· ·
PHYS 4003	Classical Mechanics I	3
PHYS 4061 <u>or</u>	Introduction to Physics Research or	1
PHYS 4801	Individual Study, Group Study, Research	
ENGR 1112	Engineering Graphics	2
ENGR 2123	Statics	3
ENGR 2133	Dynamics	3
Nine approved add	itional hours in Physics or Engineering, with at	9
least 6 junior/senic	or-level hours.	9
TOTAL		42
ADDITIONAL AR	EA REQUIREMENTS	
CHEM 1004	General Chemistry I	4
MATH 2014	Calculus I	4
MATH 2024	Calculus II	4
MATH 3034	Calculus III	4
MATH 3043	Differential Equations	3
MATH 3/43	Jr/Sr-level MATH elective	3
CSCI 1044	Programming I	4
ENGL 3013 <u>or</u>	Technical & Professional Writing or	3
CORE 2053	Composition II	
TOTAL		29
MINOR: Minor must be in Biology, Chemistry, Computer Science, or Mathematics. (Note: The Additional Area Requirements are sufficient for a Math minor.)		
ELECTIVES: Choo Jr/Sr-level hours.	ose courses to total 120 hours, including 39	10-11
	CREDIT HOUR SUMMARY	
CORE		
MAJOR		
ADDITIONAL AREA REQUIREMENTS		
MINOR (Assuming Math minor)		
ELECTIVES		
TOTAL		