

Physics (B.S.)

2025-2026 catalog

Student Name: _____ ID Number: _____

Major Requirements

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	5	PHY121 and 121L:	General Physics I
_____	_____	5	PHY122 and 122L:	General Physics II
_____	_____	5	PHY343 and 343L:	Modern Physics
_____	_____	4	PHY351	Classical Mechanics
_____	_____	5	PHY361 and 361L:	Electronics
_____	_____	4	PHY365	Electricity and Magnetism
_____	_____	2	PHY395	Comprehensive Laboratory I
_____	_____	2	PHY396	Comprehensive Laboratory II
_____	_____	2	PHY484	Quantum Mechanics Supplement
_____	_____	4	CHM368	Physical Chemistry: Microscopic Theory
_____	_____	5	CHM115 and 115L:	General Chemistry I
_____	_____	5	CHM116 and 116L:	General Chemistry II
_____	_____	4	MAT145 and 145L:	Calculus I
_____	_____	4	MAT146 and 146L:	Calculus II
_____	_____	4	MAT255	Multivariable Calculus
Complete one (1) of PHY327 or MAT369				
_____	_____	5	PHY327 and 327L:	Special Functions of Mathematical Physics
_____	_____	4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
Complete at least eight (8) elective credits, including at least 4 credits in physics, chosen from:				
_____	_____	5	PHY317 and 317L:	Biophysics
_____	_____	5	BIO473 and 473L:	Physiology of Humans and Other Animals
_____	_____	5	BIO475 and 475L:	Neurobiology
_____	_____	4	CHM362	Physical Chemistry: Macroscopic Theory
_____	_____	2	CHM430	Advanced Thermodynamic and Separation Lab
_____	_____	2	CHM450	Advanced Spectroscopy and Computational Chemistry Lab
_____	_____	4	CHM481	Instrumental Analysis
_____	_____	4	CHM482	Advanced Inorganic Chemistry
_____	_____	4	CSC371	Computer Organization
_____	_____	4	CSC431	Introduction to AI Robotics
_____	_____	4	DST334	Statistical Modeling
_____	_____	4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences (<i>if not used in place of PHY327 above</i>)
_____	_____	4	MAT455	Numerical Mathematics and Computation