PHYSICS BACHELOR OF SCIENCE

Accepting applications for Fall 2025 start

Course	Title	Credits
First Year		
Fall Semester		
MATH1776	CALCULUS 1A	2
MATH1777	CALCULUS 1B	2
PHYS1250	ENGINEERING PHYSICS I	4
English Sequence		4
Exploratory Physics Elective [1]		4
	Credits	**16**
Spring Semester		
MATH1876	CALCULUS 2A	2
MATH1877	CALCULUS 2B	2
PHYS1750	ENGINEERING PHYSICS II	4
English Sequence		4
Exploratory Physics Elective [1]		4
	Credits	**16**
Second Year		
Fall Semester		
PHYS3200	OPTICS	4
MATH2025	MULTIVARIABLE CALCULUS	4
HSS Elective*		4
Science/Math/CS Elective 1		4
COOP2500	INTRODUCTION TO COOPERATIVE EDUCATION	0
	Credits	**16**
Spring Semester		
MATH2500 or MATH2860	DIFFERENTIAL EQUATIONS or LINEAR ALGEBRA & MATRIX THEORY	4
PHYS3100	MODERN PHYSICS	4
PHYS3500	THERMAL PHYSICS	4
HSS Elective*		4
	Credits	**16**
Summer Semester		
COOP3000	OPTIONAL COOP EDUCATION	
	Credits	**0**
Third Year		
Fall Semester		
MATH2860 or MATH2500	LINEAR ALGEBRA & MATRIX THEORY or DIFFERENTIAL EQUATIONS	4
PHYS3600	CLASSICAL MECHANICS	4
Science/Math/CS Elective 2		4
HSS Elective*		4
	Credits	**16**
Spring Semester		
PHYS4700	ELECTRODYNAMICS	4
Science/Math/CS Elective 3		4
HSS Elective*		4

Course	Title	Credits
General Elective		4
	Credits	**16**
Summer Semester		
COOP3500	COOP EDUCATION 1	
	Credits	**0**
Fourth Year		
Fall Semester		
PHYS3700	ADVANCED LABORATORY TECHNIQUES IN PHYSICS	4
PHYS4500	INTRODUCTION TO QUANTUM MECHANICS	4
PHYS5000	SENIOR THESIS I	4
	Credits	**12**
Spring Semester		
PHYS3000	COMPUTATIONAL PHYSICS	4
PHYS5500	SENIOR THESIS II	4
HSS Elective*		4
	Credits	**12**
	Total Credits	**120**

Math Placement (https://catalog.wit.edu/academic-policies-procedures/ug/math-placement/) may alter the course schedule above.

Exploratory Physics Electives

Course	Title	Credits
PHYS1050	VIDEO-GAME PHYSICS	4
PHYS1100	THE COSMIC SYSTEM	3
PHYS1300	EARLY-UNIVERSE COSMOLOGY	4
PHYS1400	INTRODUCTION TO MEDICAL PHYSICS	4
PHYS2000	INTRODUCTION TO ASTRONOMY	4
PHYS2300	SPACE EXPLORATION	4