

PHYSICS MINOR

The minor in physics gives students an understanding of the most essential concepts in the field and carries the same prerequisites as the major, followed by a lighter set of requirements.

Course	Title
Prerequisites	
MATH 220-1 & MATH 220-2	Single-Variable Differential Calculus and Single-Variable Integral Calculus
or MATH 218-1 & MATH 218-2 & MATH 218-3	Single-Variable Calculus with Precalculus and Single-Variable Calculus with Precalculus and Single-Variable Calculus with Precalculus
PHYSICS 140-1 & PHYSICS 140-2 & PHYSICS 140-3 & PHYSICS 136-1 & PHYSICS 136-2 & PHYSICS 136-3	Fundamentals of Physics and Fundamentals of Physics and Fundamentals of Physics and General Physics Laboratory and General Physics Laboratory and General Physics Laboratory
or PHYSICS 135-1 & PHYSICS 135-2 & PHYSICS 135-3 & PHYSICS 136-1 & PHYSICS 136-2 & PHYSICS 136-3	General Physics and General Physics and General Physics and General Physics Laboratory and General Physics Laboratory and General Physics Laboratory
or PHYSICS 125-1 & PHYSICS 125-2 & PHYSICS 125-3 & PHYSICS 126-1 & PHYSICS 126-2 & PHYSICS 126-3	General Physics ISP and General Physics for ISP and General Physics for ISP and Physics Laboratory for ISP and Physics Laboratory for ISP and Physics Laboratory for ISP
Minor Requirements (9 units)	
<i>Core mathematics and mathematical tools courses listed below or equivalent courses approved by the department: ¹</i>	
MATH 230-1 & MATH 230-2	Multivariable Differential Calculus and Multivariable Integral Calculus ¹
PHYSICS 311-1 & PHYSICS 311-2	Mathematical Tools for the Physical Sciences and Mathematical Tools for the Physical Sciences
or MATH 240-0 & MATH 250-0	Linear Algebra and Elementary Differential Equations
<i>Core physics courses</i>	
PHYSICS 239-0	Foundations of Modern Physics
PHYSICS 330-1	Classical Mech
PHYSICS 333-1	Advanced Electricity & Magnetism
<i>2 other 300-level physics or astronomy courses other than:</i>	
PHYSICS 311-1 & PHYSICS 311-2	Mathematical Tools for the Physical Sciences and Mathematical Tools for the Physical Sciences
PHYSICS 312-0	Scalar and Vector Field Methods in Physics
PHYSICS 398-0	Independent Thesis Research
PHYSICS 399-0	Independent Study
ASTRON 398-0	Honors Independent Study
ASTRON 399-0	Independent Study

¹ PHYSICS 312-0 Scalar and Vector Field Methods in Physics may be used in place of MATH 230-2 Multivariable Integral Calculus with department permission.