

PHYSICS, MINOR

Saint Louis University offers minors in physics through both the College of Arts and Sciences and Parks College of Engineering, Aviation and Technology.

The minor through the College of Arts and Sciences requires 18 credits of physics. The minor at Parks College requires 22 credits of physics.

Requirements

Program Requirements (Arts & Sciences)

Code	Title	Credits
Required Courses		
PHYS 1610 & PHYS 1620	Engineering Physics I and Engineering Physics I Laboratory	4
PHYS 1630 & PHYS 1640	Engineering Physics II and Engineering Physics II Laboratory	4
PHYS 2610 & PHYS 2620	Modern Physics and Modern Physics Lab	4
Elective Courses		
Select two of the following:		6
PHYS 3110	Classical Mechanics	
PHYS 3120	Advanced Classical Mechanics	
PHYS 3310	Optics	
PHYS 3320	Optics Laboratory	
PHYS 3410	Thermodynamics and Statistical Mechanics	
PHYS 3510	Analog & Digital Electronics	
PHYS 3610	Modern Physics II	
PHYS 3860	Physics Research I	
PHYS 3910	Co-Op with Industry	
PHYS 3915	Internship with Industry	
PHYS 3980	Independent Study	
PHYS 4010	Nanoscience and Nanofabrication Frontiers	
PHYS 4020	Experimental Physics	
PHYS 4110	Intro to Biophysics	
PHYS 4210	Electricity & Magnetism I	
PHYS 4220	Electricity & Magnetism II	
PHYS 4410	General Relativity	
PHYS 4610	Quantum Mechanics	
PHYS 4620	Application of Quantum Mechanics	
PHYS 4840	Senior Inquiry: Thesis	
PHYS 4870	Physics Research II	
PHYS 4880	Senior Inquiry: Research Project	
PHYS 4890	Senior Inquiry: Comprehensive Examination	
PHYS 4910	Co-Op with Industry	
PHYS 4915	Internship with Industry	
PHYS 4930	Special Topics	
Total Credits		18

Program Requirements (Parks)

Code	Title	Credits
Required Courses		
PHYS 1610 & PHYS 1620	Engineering Physics I and Engineering Physics I Laboratory	4
PHYS 1630 & PHYS 1640	Engineering Physics II and Engineering Physics II Laboratory	4
PHYS 2610 & PHYS 2620	Modern Physics and Modern Physics Lab	4
Elective Courses		
Select three of the following (one with lab):		10
PHYS 3110	Classical Mechanics	
PHYS 3120	Advanced Classical Mechanics	
PHYS 3310	Optics	
PHYS 3320	Optics Laboratory	
PHYS 3410	Thermodynamics and Statistical Mechanics	
PHYS 3510	Analog & Digital Electronics	
PHYS 3610	Modern Physics II	
PHYS 3860	Physics Research I	
PHYS 3910	Co-Op with Industry	
PHYS 3915	Internship with Industry	
PHYS 3980	Independent Study	
PHYS 4010	Nanoscience and Nanofabrication Frontiers	
PHYS 4020	Experimental Physics	
PHYS 4110	Intro to Biophysics	
PHYS 4210	Electricity & Magnetism I	
PHYS 4220	Electricity & Magnetism II	
PHYS 4410	General Relativity	
PHYS 4610	Quantum Mechanics	
PHYS 4620	Application of Quantum Mechanics	
PHYS 4840	Senior Inquiry: Thesis	
PHYS 4870	Physics Research II	
PHYS 4880	Senior Inquiry: Research Project	
PHYS 4890	Senior Inquiry: Comprehensive Examination	
PHYS 4910	Co-Op with Industry	
PHYS 4915	Internship with Industry	
PHYS 4930	Special Topics	
Total Credits		22

Continuation Standards

Students must have a grade point average (GPA) of 2.00 in physics minor coursework to be retained in the minor.