

Physics, Minor

Requirements

Must be admitted to a bachelor degree program at UVU. A minor in physics represents a substantial investment in mastering the basics of physics and gaining suitable problem solving skills that may then be applied to other disciplines. The minor requires 20 credit hours of physics credit.

Total Program Credits: 20

Matriculation Requirements:		
1. Admitted to a bachelor degree program at UVU.		
Discipline Core Requirements:		20 Credits
PHYS 2210	Physics for Scientists and Engineers I	4
PHYS 2215	Physics for Scientists and Engineers I Lab	1
PHYS 2220	Physics for Scientists and Engineers II	4
PHYS 2225	Physics for Scientists and Engineers II Lab	1
PHYS 3110	Modern Physics I	3
PHYS 3115	Introduction to Experimental Physics I WE	2
Complete a minimum of 5 credits from the following courses:		5
ASTR 3050	Astrophysics I (3)	
ASTR 3060	Astrophysics I(3)	
PHYS 2500	Elementary Fluids and Thermal Physics (3)	
PHYS 2800	Introduction to Materials Physics (3)	
PHYS 3120	Modern Physics II (3)	
PHYS 3125	Introduction to Experimental Physics II WE (2)	
PHYS 3230	Principles of Electronics for the Physical Sciences (3)	
PHYS 3300	Mathematical Physics (3)	
PHYS 3310	Advanced Mathematical Physics (3)	
PHYS 3400	Classical Mechanics (3)	
PHYS 3500	Thermodynamics (3)	
PHYS 3800	Energy use on Earth (3)	
PHYS 4210	Advanced Experimental Techniques (3)	
PHYS 4250	Nuclear Physics (3)	
PHYS 4300	Computational Physics (3)	
PHYS 4410	Electrostatics and Magnetism (3)	
PHYS 4420	Electrodynamics (3)	
PHYS 4510	Quantum Mechanics I (3)	
PHYS 4520	Quantum Mechanics II (3)	
PHYS 4600	Optics (3)	
PHYS 4700	Acoustics (3)	
PHYS 4800	Solid State Physics (3)	
PHYS 490R	Seminar (0.5)	
METO 3100	Climate and the Earth System (3)	

Graduation Requirements:

1. A minimum grade of "C" must be earned in all minor courses.

Physics, Minor

Physics, Minor Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
<i>PHYS 2210</i>	Physics for Scientists and Engineers I	4
PHYS 2215	Physics for Scientists and Engineers I Lab	1
	Semester total:	5
Notes: A minimum grade of "C" must be earned in all minor courses.		
Semester 2	Course Title	Credit Hours
<i>PHYS 2220</i>	Physics for Scientists and Engineers II	4
PHYS 2225	Physics for Scientists and Engineers II Lab	1
	Semester total:	5
Notes: A minimum grade of "C" must be earned in all minor courses.		
Semester 3	Course Title	Credit Hours
<i>PHYS 3110</i>	Modern Physics I	3
<i>PHYS 3115</i>	Introduction to Experimental Physics I WE	2
	Semester total:	5
Notes: A minimum grade of "C" must be earned in all minor courses.		
Semester 4	Course Title	Credit Hours
Complete a minimum of 5 Credits from the following courses:		5
<i>ASTR 3050</i>	Astrophysics I (3)	
<i>ASTR 3060</i>	Astrophysics II (3)	
<i>PHYS 2500</i>	Elementary Fluids and Thermal Physics (3)	
<i>PHYS 2800</i>	Introduction to Materials Physics (3)	
<i>PHYS 3120</i>	Modern Physics II (3)	
<i>PHYS 3125</i>	Introduction to Experimental Physics II WE (2)	
<i>PHYS 3230</i>	Principles of Electronics for the Physical Sciences (3)	
<i>PHYS 3300</i>	Mathematical Physics (3)	
<i>PHYS 3310</i>	Advanced Mathematical Physics (3)	
<i>PHYS 3400</i>	Classical Mechanics (3)	
<i>PHYS 3500</i>	Thermodynamics (3)	

PHYS 3800	Energy Use on Earth (3)	
PHYS 4210	Advanced Experimental Techniques (3)	
PHYS 4250	Nuclear Physics (3)	
PHYS 4300	Computational Physics (3)	
PHYS 4410	Electrostatics and Magnetism (3)	
PHYS 4420	Electrodynamics (3)	
PHYS 4510	Quantum Mechanics I (3)	
PHYS 4520	Quantum Mechanics II (3)	
PHYS 4600	Optics (3)	
PHYS 4700	Acoustics (3)	
PHYS 4800	Solid State Physics (3)	
PHYS 490R	Seminar (0.5)	
METO 3100	Climate and Earth Systems (3)	
	Semester total:	5
Notes: A minimum grade of "C" must be earned in all minor courses.		
	Degree total:	20