PHYSICS

Requirements

Required Courses

Code	Title	Hours
PH 325	Adv Physics Laboratory I	4
PH 235	Many-Particle Physics	4
or PH 255	Foundations of Modern Physics	
Select 12 credit hours from the following:		12
PH 270/470	Selected Topics in Physics [1]	
PH 290/490	Directed Research [1]	
PH 310	Introduction to Special Relativity	
PH 314	Theoretical Mechanics I	
PH 316	Electric & Magnetic Fields	
PH 327	Thermodynamics & Statistical Mechanics	
PH 401	Introduction to Quantum Mechanics	
PH 405	Semiconductor Materials & Applications	
PH 425	Advanced Physics Lab II	
PH 460	Directed Study [1]	
Total Hours		**20**

[1] A maximum of 4 credit hours can be taken from these categories. Suggested Pathways (These involve no "unused" prerequisite PH credit hours):

- Experimental Physics: PH 255 Foundations of Modern Physics, PH 325 Adv Physics Laboratory I, PH 401 Introduction to Quantum Mechanics, PH 405 Semiconductor Materials & Applications, PH 425 Advanced Physics Lab II
- Modern Physics: PH 255 Foundations of Modern Physics, PH 270 Selected Topics in Physics/PH 470 Special Topics in Physics/PH 290 Directed Research/PH 490 Directed Research (2cr), PH 310 Introduction to Special Relativity, PH 325 Adv Physics Laboratory I, PH 401 Introduction to Quantum Mechanics, PH 405 Semiconductor Materials & Applications
- Classical Physics: PH 235 Many-Particle Physics, PH 314 Theoretical Mechanics I, PH 316 Electric & Magnetic Fields, PH 325 Adv Physics Laboratory I, PH 327 Thermodynamics & Statistical Mechanics

Eligibility: Students in any major degree program except for Physics and NanoEngineering.