Simmons UNIVERSITY

Physics
Academic Planning Worksheet
2018-2019 Catalog

Notes
- Students are required to complete 50-64 credit hours.
- See "Simmons PLAN & Graduation Requirements" worksheet for all-college requirements.

Major Core
Majors will complete a core of the following courses.

Course #	Course Title	Credits	Completed
PHYS 112	Fundamentals of Physics I	4	
PHYS 113	Fundamentals of Physics II	4	
PHYS 201	Wave Phenomena and Introductory Modern Physics	4	
PHYS 300	Mechanics	4	
PHYS 305	Electricity and Magnetism	4	
PHYS 331	Thermodynamics and Kinetics	4	
PHYS 332	Quantum Mechanics and Molecular Structure	4	
PHYS 390	Physics Seminar	0	

Complete ONE PHYS course from the list below.

Courses Selected	Credits	Completed
	2-4	

PHYS 120	Materials: Properties	4 credits
PHYS 121	Materials: Structures	4 credits
PHYS 220	Materials Modeling	4 credits
PHYS 310	Materials Research Methods I	4 credits
PHYS 311	Materials Research Methods II	4 credits
PHYS 333	Advanced Topics in Modern Physics	2 credits

Prerequisites and Other Required Courses
Additional upper-level mathematics and computer science courses are also highly recommended.

Course #	Course Title	Credits	Completed
MATH 120	Calculus I	4	
MATH 121	Calculus II	4	
MATH 220	Multivariable Calculus	4	
CHEM 111 OR CHEM 113 OR CHEM 115	Introductory Chemistry: Inorganic or Principles of Chemistry or Advanced General Chemistry	4	
CHEM 112 OR CHEM 224	Introductory Chemistry: Organic or Organic Chemistry I	4	
CHEM 216	Quantitative Analysis	4	

Capstone
Complete 4-8 credit hours in PHYS 350 to fulfill the Capstone Requirement.

Course #	Course Title	Credits	Completed
PHYS 350	Independent Study with Thesis	8	