

Physics, PhD

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Physics, PhD

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^{a, b}		
Students must maintain a Graduate College program GPA of 3.00 or higher. ^c		
Hours		0
First Year		
Fall		
PHYS:4761	Mathematical Methods of Physics I ^d	3
PHYS:5710	Classical Mechanics	3
PHYS:5730	Statistical Mechanics I	3
Hours		9
Spring		
PHYS:4762	Mathematical Methods of Physics II ^d	3
PHYS:5741	Quantum Mechanics I	3
PHYS:5811	Classical Electrodynamics I	3
Hours		9
Second Year		
Fall		
PHYS:5742	Quantum Mechanics II	3
PHYS:5812	Classical Electrodynamics II	3
Elective course ^e		3
Hours		9
Spring		
Elective course ^e		3
Elective course ^e		3
Elective course ^e		3
Hours		9
Third Year		
Any Semester		
Comprehensive Exam		
Hours		0
Fall		
PHYS:7990	Research: Physics	9
Hours		9
Spring		
PHYS:7990	Research: Physics	9
Hours		9

Fourth Year

Fall		
PHYS:7990	Research: Physics	9
Hours		9
Spring		
PHYS:7990	Research: Physics	9
Final Exam ^f		
Hours		9
Total Hours		72

a Students must earn at least 24 s.h. in departmental courses numbered 5000 or above, and may not include credit earned in PHYS:7990, PHYS:7992, ASTR:7991, or seminars.

b Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

c Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.

d Students who pass a written examination are exempt from this requirement.

e Work with faculty advisor to determine appropriate coursework and sequence.

f Dissertation defense.