

Physics (PhD)

Degree Requirements

Code	Title	Hours	Counts towards
Background Coursework			
PY 781	Quantum Mechanics I		
Core Courses		12	
Select four PY 700-level courses approved in conjunction with the academic committee ¹			
Qualifying Exams		12	
PY 721	Statistical Physics I		
PY 782	Quantum Mechanics II		
PY 783	Advanced Classical Mechanics I		
PY 785	Advanced Electricity and Magnetism I		
Elective Courses		12	
"Elective Courses" may include PY 500-level and 700-level courses, physics-related courses in other departments, or courses required for a minor			
Additional Courses		36	
Research Courses			
PY 890	Doctoral Preliminary Examination		
PY 895	Doctoral Dissertation Research ²		
Dissertation			
PY 899	Doctoral Dissertation Preparation		
Total Hours		72	

¹ Excludes PY 781 & PY 785, but may include: PY 721 Statistical Physics I, PY 782 Quantum Mechanics II, PY 783 Advanced Classical Mechanics I.

² 42 credit hours of research are required for a PhD; however, only 24 are required for students with a MS.

Faculty