

PHYSICS, PHD

Requirements for Students Matriculating in or before Academic Year

2024-2025. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 60 (Beyond the Master's Degree)

Code	Title	Hours
Required Courses		
PHYS 5113	Statistical Thermodynamics and Kinetic Theory	3
PHYS 5213	Statistical Mechanics	3
PHYS 5313	Electromagnetic Theory	3
PHYS 5413	Classical Mechanics	3
PHYS 5453	Mathematical Methods for Physicists	3
PHYS 5613	Quantum Mechanics I	3
PHYS 6313	Quantum Mechanics II	3
Hours Subtotal		21
Electives ¹		
Select a minimum of 9 hours of Physics (PHYS) 5000- or 6000-level courses:		9
Hours Subtotal		9
Research ¹		
Thirty hours from:		30
PHYS 6000	Doctoral Dissertation Research	
Hours Subtotal		30
Total Hours		60

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Combined elective and research hours should total 39 hours.

Total Hours: 72 (Beyond the Bachelor's Degree)

Code	Title	Hours
Required Courses		
PHYS 5113	Statistical Thermodynamics and Kinetic Theory	3
PHYS 5213	Statistical Mechanics	3
PHYS 5313	Electromagnetic Theory	3
PHYS 5413	Classical Mechanics	3
PHYS 5453	Mathematical Methods for Physicists	3
PHYS 5613	Quantum Mechanics I	3
PHYS 6313	Quantum Mechanics II	3
Hours Subtotal		21
Electives ²		
Select a minimum of 9 hours of Physics (PHYS) 5000- or 6000-level courses:		9
Hours Subtotal		9
Research ²		
Forty-two hours from:		42
PHYS 6000	Doctoral Dissertation Research	
Hours Subtotal		42
Total Hours		72

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Combined elective and research hours should total 51 hours.

Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2024-2025 Doctor of Philosophy (PhD) Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.