

REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year	General Requirements	Program
For Students Entering the Oklahoma State System for Higher Education Summer 2023 through Spring 2024	Minimum Total Hours 90	Engineering Physics D372 Doctor of Philosophy

Minimum Total Hours: 90

Program Code: D372

Program Requirements

Code	Title	Credit Hours
Required Coursework (37 hours)		
PHYS 5001		1
PHYS 5013	Mathematical Methods in Physics	3
PHYS 5393	Quantum Mechanics I	3
PHYS 5403	Quantum Mechanics II	3
PHYS 5153	Classical Mechanics	3
PHYS 5573	Electrodynamics I	3
PHYS 5583	Electrodynamics II	3
PHYS 5163	Statistical Mechanics	3
12 hours of Engineering courses at 5000-level or above		12
An additional course in Physics or Engineering (excluding 5980 or 6980) ¹		3
Additional Coursework		
Coursework or seminars as approved by the advisory committee		0-51
Dissertation Research		
EPHY 6980	Research for Doctoral Dissertation ((2 hours minimum))	2-53
Total Credit Hours		90

No more than one-half of the credit hours, both OU and overall, excluding Research for Doctoral Dissertation (6980), may be S/U-graded coursework.

The student must be in residence at OU for at least two consecutive 16-week semesters during the pursuit of the doctoral degree while enrolled and engaged in coursework or research activities as prescribed by the major academic unit.

For more detailed regulations and requirements for Doctoral degrees, please consult the Graduate College Bulletin: <http://www.ou.edu/gradcollege/forms/bulletin>

More information in the catalog: (<http://ou-public.courseleaf.com/gallogly-engineering/engineering-physics/engineering-physics-doctor-philosophy/>).

¹May be in related fields at G4000 level or above if approved by the advisory committee and graduate liaison.

Note:

The General Examination can only be taken after passing the internal departmental qualifying exams on Quantum Mechanics, Electrodynamics, and Classical & Statistical Mechanics.

General Requirements for Doctoral Degrees

A student should expect to spend at least the equivalent of three full academic years beyond the bachelor's degree to obtain the doctoral degree. During this period the student will take appropriate graduate coursework, successfully complete the general examination, and successfully defend and submit the final dissertation.

All coursework applied to the doctoral degree must carry graduate credit.

The doctoral degree requires at least 90 post-baccalaureate hours, including both formal coursework and hours of research.

The minimum hour requirement for a specific doctoral degree program cannot be waived.