

DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the [Graduate College Bulletin](#).

DOCTOR of PHILOSOPHY

D665

MAJOR: Materials Science and Engineering

Program effective **Fall 2025**

COURSEWORK REQUIREMENTS

Core Courses

<input type="checkbox"/> CH E 6522	Designing Circular Materials	2 hours
<input type="checkbox"/> CH E 6524	Advanced Characterization of Materials	4 hours
<input type="checkbox"/> CH E 6523	Materials Discovery	3 hours
<input type="checkbox"/> CH E 6533	Fundamentals of Materials Structural Properties	3 hours
<input type="checkbox"/> PHYS 5293	Electronic, Optical and Magnetic Properties of Materials	3 hours
Total		15 hours

Electives

<input type="checkbox"/> Choose 6-15 hours of graduate level electives from the course list maintained by the department, as approved by the advisory conference committee and graduate liaison	6-15 hours
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Dissertation Research

<input type="checkbox"/> CH E 6980	Research for Doctoral Dissertation	60-69 hours
60 hours minimum / 69 hours maximum		
<input type="checkbox"/> TOTAL	90 hours	

ADDITIONAL REQUIREMENTS

NOTE: In lieu of a 'Qualifying Examination' (GE) the enrolled students are expected to complete with a B grade or better the five mandatory courses within their first year of enrollment. The 'Advisory Conference Report' (ACR) is expected to be completed by the end of the fourth semester of enrollment. During this report, the students, in agreement with supervisor and committee, will identify which elective courses are required for completing their program of studies. The 'General Exam' (GE) will take place between 1 and 3 semesters after the ACR is completed. At the GE, the students will submit a written document to place their research, and defend their research plans at an oral presentation, when they will be assessed by the committee members. The Defense of the PhD is expected approximately 4 years after the start of the program of studies.