

REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY
DODGE COLLEGE OF ARTS AND SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2023 through Spring 2024

General Requirements
Minimum Total Hours 90

Program
Chemistry and Biochemistry: Physical Chemistry D170 R520 Doctor of Philosophy

Minimum Total Hours: 90

Program Code: D170 R520

Program Requirements

- Continuous enrollment in CHEM 5090 Departmental Colloquium is required for all Doctoral students.

Code	Title	Credit Hours
Required Coursework		
CHEM 5011	Fundamentals I	1
CHEM 5021	Fundamentals II	1
CHEM 5080	Laboratory Rotations	2
CHEM 5591	Seminar in Physical Chemistry (Continuous enrollment, up to 12 credit hours, is required after the first semester)	1-12
Core Courses		
CHEM 5500	Topics in Quantum Chemistry	2
CHEM 5530	Topics in Statistical Thermodynamics	3
Dissertation Research		
CHEM 6980	Research for Doctoral Dissertation (minimum 2 credits)	2
Elective Coursework		
Electives as approved by doctoral advisory committee to bring student to 90 post-baccalaureate hours. This may include up to 9 credits of CHEM 5990, Independent Study or up to 6 credits CHEM 5960, Directed Readings in Chemistry. ¹		67-78
Total Credit Hours		90

¹The total number of letter-graded hours of Core and Electives combined must total at least 16 hours.

The additional coursework may include other concentrations in CHEM; out-of-department coursework; or transfer credits from an accredited college or university.

At least 1 course (2 credit hours) must come from within the department (CHEM), but from a concentration outside the student's core courses.

More information in the catalog: (<http://ou-public.courseleaf.com/dodge-arts-sciences/chemistry-biochemistry/chemistry-biochemistry-physical-chemistry-doctor-philosophy/>).