

**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 Credit Hours ..... 90

Program
Chemistry and Biochemistry: Analytical Chemistry  D170 R034  Doctor of Philosophy

**PROGRAM REQUIREMENTS**

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

Code	Title	Credit Hours
<b>Required Coursework</b>		
CHEM 5011	Fundamentals I	1
CHEM 5021	Fundamentals II	1
CHEM 5080	Laboratory Rotations	2
CHEM 5191	Seminar in Analytical Chemistry (Continuous enrollment, up to 12 credit hours, is required after the first semester)	1-12
<b>Core Courses</b>		
CHEM 5100	Instrumental Methods of Analysis	2
CHEM 5110	Spectroscopic Chemical Analysis	3
CHEM 5120	Separation Methods	3
<b>Dissertation Research</b>		
CHEM 6980	Research for Doctoral Dissertation (minimum 2 credits)	2
<b>Elective Coursework</b>		
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. <sup>1</sup>		64-75
<b>Total Credit Hours</b>		<b>90</b>

<sup>1</sup>The 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-analytical-chemistry-doctor-philosophy/>).