
DOCTORAL DEGREE REQUIREMENTS

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

DOCTOR of PHILOSOPHY

D170/R058

MAJOR: Chemistry and Biochemistry

CONCENTRATION: Biochemistry

Program effective **Summer 2023**

COURSEWORK REQUIREMENTS

REQUIRED COURSEWORK

<input type="checkbox"/> CHEM 5090	Departmental Colloquium (continuous enrollment required).....	0 hours
<input type="checkbox"/> CHEM 5011	Fundamentals I.....	1 hours
<input type="checkbox"/> CHEM 5021	Fundamentals II.....	1 hours
<input type="checkbox"/> CHEM 5080	Laboratory Rotations	2 hours
<input type="checkbox"/> CHEM 5291	Seminar in Biochemistry.....	1-12 hours
Continuous enrollment in 5291 is required after the first semester, up to 12 credits or 90 total degree credit are reached.		
Total.....		5-16 hours

CORE COURSES

<input type="checkbox"/> CHEM 5200	Principles of Biochemistry.....	2 hours
<input type="checkbox"/> CHEM 5210	Molecular Biology	2 hours
<input type="checkbox"/> CHEM 5240	Biochemical and Biophysical Methods.....	2 hours
Total.....		6 hours

Elective Coursework

Additional 5000- and/or 60000-level coursework: minimum of 10 hours of coursework as approved by the Ph.D. advisory committee so that the total number of letter-graded hours of core and electives combined equals a minimum of 16 hours. The additional coursework may include other concentrations in CHEM; out-of-department coursework; or transfer credits from 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 (the structural biology concentration [57YZ, except CHEM 5730 Macromolecular Crystallography] cannot fulfill this 1 course requirement but can fulfill other elective hours).

Total.....		10+ hours
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Directed Studies

Up to 9 hours of CHEM 5990 or 6 hours of CHEM 5960 can be used for degree requirements.

Total.....		0-9 hours
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Dissertation Research

<input type="checkbox"/> CHEM 6980	Research for Doctoral Dissertation	2+ hours
	2 hours minimum.	

TOTAL..... 90 hours