DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the Graduate College Bulletin.

DOCTOR of PHILOSOPHY

MAJOR: Chemistry and Biochemistry

CONCENTRATION: Biochemistry

Program effective Summer 2023

COURSEWORK REQUIREMENTS

REQUIRED COURSEWORK

- CHEM 5090 Departmental Colloquium (continuous enrollment required) .......................................................... 0 hours
- CHEM 5011 Fundamentals I ........................................................................................................................................ 1 hours
- CHEM 5021 Fundamentals II ........................................................................................................................................ 1 hours
- CHEM 5080 Laboratory Rotations .................................................................................................................................. 2 hours
- 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

- CHEM 5200 Principles of Biochemistry ..................................................................................................................... 2 hours
- CHEM 5210 Molecular Biology .................................................................................................................................... 2 hours
- CHEM 5240 Biochemical and Biophysical Methods .................................................................................................... 2 hours

Total ........................................................................................................................................................................... 6 hours

Elective Coursework

- Additional 5000- and/or 6000-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 [57Y, except CHEM 5730 Macromolecular Crystallography] cannot fulfill this 1 course requirement but can fulfill other elective hours).

Total ........................................................................................................................................................................... 10+ hours

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

Dissertation Research

- CHEM 6980 Research for Doctoral Dissertation ........................................................................................................ 2+ hours

2 hours minimum.

- TOTAL ........................................................................................................................................................................... 90 hours