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: Analytical Chemistry

Program effective Summer 2023

COURSEWORK REQUIREMENTS

REQUIRED COURSEWORK

- CHEM 5090  Departmental Colloquium (continuous enrollment required) .................................................. 0 hours
- CHEM 5011  Fundamentals I .......................................................... 1 hour
- CHEM 5021  Fundamentals II ......................................................... 1 hour
- CHEM 5080  Laboratory Rotations ................................................. 2 hours
- CHEM 5191  Seminar in Analytical Chemistry ................................. 1-12 hours

Continuous enrollment in 5191 is required after the first semester, up to 12 credits or 90 total degree credit are reached.

Total ........................................................................................................ 5-16 hours

CORE COURSES

- CHEM 5100  Instrumental Methods of Analysis .................................. 2 hours
- CHEM 5110  Spectroscopic Chemical Analysis .................................. 3 hours
- CHEM 5120  Separation Methods ..................................................... 3 hours

Total ......................................................................................................... 8 hours

Elective Coursework

- Additional 5000- and/or 6000-level coursework: minimum of 8 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.

Total ....................................................................................................... 8+ 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