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: Inorganic Chemistry

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 5391  Seminar in Inorganic Chemistry ....................................................................................... 1-12 hours

Continuous enrollment in 5391 is required after the first semester, up to 12 credits or 90 total degree credit are reached.

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

CORE COURSES
Enrollment in any combination of the following 3 courses to equal a minimum of 5 hours.
- CHEM 5300  Intermediate Inorganic Chemistry ..................................................................................... 2 hours
- CHEM 5330  Advanced Inorganic Chemistry .......................................................................................... 2-3 hours
- CHEM 5360  Frontiers in Inorganic Chemistry ......................................................................................... 2-3 hours

Total.................................................................................................................................................. 5+ 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