Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Chemistry, PhD

Course | Title | Hours
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Any Semester | 72 s.h. must be graduate level coursework; graduate transfer credit will be given consideration for a maximum of 6 s.h. of the 11 s.h. of required advanced coursework. More information is included in the General Catalog and on the department website. | 72
Graduate College program GPA of at least 3.00 is required. | 72

First Year

Any Semester | Complete proficiency requirement | 0

Fall

CHEM:5091 Graduate Chemistry Orientation | 3
CHEM:5990 Chemistry Colloquium | 0
CHEM:7999 Research in Chemistry | 3
Divisional seminar | 0
Proficiency course | 3
Proficiency course | 3

Spring

CHEM:5990 Chemistry Colloquium | 0
CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 2
Advanced course | 3
Advanced course | 3
Divisional seminar | 0
Proficiency course | 3

Second Year

Any Semester | Exam: Doctoral Comprehensive Exam | 0

Fall

CHEM:5990 Chemistry Colloquium | 0
CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 5
Advanced course | 3
Advanced course | 2
Divisional seminar | 1

Spring

CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 1

Third Year

Fall

CHEM:5013 Science Writing in Chemistry | 1
CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 6

Spring

CHEM:6990 Research Seminar | 7
CHEM:7999 Research in Chemistry | 1

Fourth Year

Fall

CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 1

Spring

CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 1

Fifth Year

Fall

CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 1

Spring

CHEM:6990 Research Seminar | 1
CHEM:7999 Research in Chemistry | 1

Exam: Doctoral Final Exam | 2

Total Hours | 72

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a Students must demonstrate basic proficiency in three chosen sub-disciplines of chemistry (analytical, biochemistry, inorganic, organic, physical). Proficiency is established in one of the following ways: 1) scoring at the 50th percentile level on the proficiency exam; 2) completing a one-semester review course with a grade of C or better; or 3) completing a one-semester graduate-level/advanced course in that sub-discipline of chemistry with a grade of B or better. The proficiency requirement must be fulfilled before the beginning of the student's third semester in the graduate program.
b Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
c Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.
d May take another course if proficiency requirement has been satisfied; work with faculty advisor to determine appropriate graduate coursework and sequence.
e Students should begin taking research seminar after joining a research group.
f Includes research; work with faculty advisor to determine appropriate graduate coursework and sequence.
g Students must complete the oral comprehensive examination not later than the end of their second year of enrollment.
h Students are expected to give a minimum of two acceptable seminars. One seminar must cover the student's research; the other may also deal with the student's research or can be an extensive literature report.
i First required seminar.
j Can be taken any fall semester after the Doctoral Comprehensive Exam.
k Dissertation defense at which time candidates present at least one published or accepted paper in a peer-reviewed journal based on the publishable portion of the thesis.