

Chemistry (PhD)

Graduate study in chemistry is offered in the areas of chemical biology, chemical physics, analytical, inorganic, organic, or physical chemistry. Each of these broad areas encompasses specialized aspects of the subject. Details are available from the chair of the department's Graduate Admissions Committee.

Graduate Handbook

Graduate handbook information is updated and maintained by each program. Graduate handbooks are available within each program's office and [online](#). Please contact the program with concerns or questions.

Admission

Preparation for graduate study in chemistry requires a minimum of 24 semester hours of undergraduate chemistry coursework, including at least 12 semester hours at the upper-division level. This typically includes at least two semesters of general chemistry, two semesters of organic chemistry, at least one semester of analytical, two semesters of physical chemistry, plus one semester of inorganic and possibly biochemistry.

Total Hours Required: 30

Requirements

Code	Title	Hours
CH 398T	Professional Development for Graduate Students in Chemistry	3
CH 999W	Dissertation	9
Hours chosen from: chosen specialization		18
Analytical chemistry		
Chemical biology		
Inorganic chemistry		
Organic chemistry		
Physical chemistry		
All students must also follow the requirements and policies below:		
Graduate Natural Sciences Requirements		
Graduate University Requirements		
Total Hours		30

Additional Requirements

Students are expected to join a research group by the end of their first semester. Failure to join a research group by the end of the student's first semester may result in dismissal from the program. The qualifying examinations are usually completed within the first 20 months in residence or before application for candidacy. Students are examined by members of the Graduate Studies Committee in their areas of concentration before admission to candidacy. While the doctoral degree program requires a minimum of 30 credit hours of coursework including the dissertation, five to six years of full-time study, or 105-126 hours of coursework, are usually required to complete program requirements.