

# CHEMISTRY

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## Graduate Programs

### Prerequisites

Students entering this program should have at least eight semester credit hours (or the equivalent) in general, analytical, organic and physical chemistry. The physical chemistry should have been based on mathematics through calculus.

### Admission Requirements

For admission, a grade-point average of 3.00 or better is generally required. Deserving applicants with grade-point averages less than 3.00 are occasionally admitted under probationary conditions. Additional support of the application is sought in the form of three letters of recommendation. Graduate Record Examination scores are not required. Recommendations on admission to the Graduate College are made on behalf of the applicant by the departmental admission officer. Acceptance by a permanent advisor is not a prerequisite for admission to the program.

### Degree Requirements

A more detailed description of the graduate study program in chemistry is available in a brochure supplied by the department upon request, or on the Internet at <http://chemistry.okstate.edu>. The requirements set forth below complement the general requirements stated in the "Graduate College (<http://catalog.okstate.edu/graduate-college/>)" section of the OSU Catalog. Attendance and participation in the departmental colloquia are required.

### The Master of Science Degree

Students must complete at least 30 credit hours of graduate coursework in chemistry or related fields. Each student must present an acceptable thesis dealing with a research problem and pass a final oral examination covering it and related material. Research on the thesis problem should be started as early as possible in the graduate program.

### The Doctor of Philosophy Degree

Work is offered which leads to the degree with a focus in analytical, biological, environmental, inorganic, materials, medicinal, nanotechnology, organic physical, polymer or theoretical chemistry or chemical education. The student must pass a qualifying examination in his or her field of specialization. An acceptable dissertation must be presented which contains a substantial original contribution to the field of chemistry. The student must pass a final oral examination covering the dissertation and related material. The Doctor of Philosophy degree requires the completion of at least 90 semester credit hours of work beyond the bachelor's degree. The course requirements are determined by the student and his/her advisory committee consistent with departmental requirements.