

Graduate Certificate Inorganic Chemistry

Program Requirements:

A minimum of 12 credit hours are required for the degree program.

- Provides skills and training necessary to advance in the area of inorganic chemistry, which deals with the properties and behavior of inorganic compounds, which include metals, semiconductors, minerals, and organometallic compounds. Inorganic compounds are used as catalysts, pigments, coatings, surfactants, medicines, battery components, fuels, and more.
- The certificate requires three inorganic chemistry lecture courses (each three credits) and one elective course (three credits) or three credits of research. All students must take these three required courses and one elective course (or research credit), subject to the graduate school regulations.
- A minimum of three of the courses must be taken at UMSL. Research credits must be taken at UMSL. Courses may be substituted with the permission of the Certificate coordinator. For more information, students can contact the Department of Chemistry and Biochemistry.
- Certificate applicants must meet the general University of Missouri-St. Louis Graduate School admissions requirements to be admitted to the Certificate program. Students admitted to the Chemistry M.S. program are automatically eligible to pursue the Certificate; however, they must apply separately to the Certificate program.
- This 12-credit-hour certificate program also counts toward the 30-credit-hour Master of Science in Chemistry degree program requirements. Students may choose to combine this certificate with other courses and/or certificates to obtain the Master of Science in Chemistry degree.

Application Requirements:

1. [Online Graduate Application](#)
2. Statement of Purpose: A 1-2 page essay explaining your interest in the program and why you are a strong candidate.
 - a. Description of individual goals and areas of interest.
3. Official transcripts from all universities attended. A Bachelor's degree is required.
 - a. By the time of enrollment, prospective students must have obtained a baccalaureate degree or the equivalent from an accredited college or university.
4. Entrance examinations:
 - a. International Students must document English proficiency by providing scores from an internationally accepted standardized examination. See [International Admissions](#) for more information.
5. **Minimum GPA of 3.0 on 4.0 scale**
6. Letters of Recommendation: 2 letters of recommendation are required from individuals who can evaluate your recent academic performance.

Application Deadlines:

Domestic Applicants: Fall - July 1 ♦ Spring - December 1 ♦ Summer - May 1

Applications are processed as they are submitted. However, applications that are not received by the posted date may delay admission until the following semester.

Application Fees:

\$50 for domestic applicants

\$40 for international applicants

Graduate Program Director:

Contact Dr. Michael Nichols by nicholsmic@umsl.edu or by phone (314) 516-7345