Chemistry

The Department of Chemistry offers a PhD in Chemistry, with research specializations available in biological, organic, inorganic, physical and nuclear chemistry. Doctoral students often work at the interface of two or more subfields of chemistry; they may also work at the interface of different scientific disciplines. Lab assignments are therefore made according to each student's research project. Chemistry students may work in a lab outside the department or alongside students from other departments in a chemistry lab.

The department's research strengths in each subfield of chemistry are as follows:

- Biological: biophysical, bioorganic, bioinorganic, biochemistry
- Organic: synthetic, organometallic, bioorganic, physical organic, asymmetric catalysis
- Inorganic: coordination, organometallic, materials, bioinorganic, main group
- Physical: computational, laser spectroscopy, theoretical, magnetic resonance
- Interdisciplinary: biophysical, physical organic, materials
- Nuclear and radiochemistry: stability of nuclei, radioisotopes for medical studies

Washington University’s graduate student stipends are in the top 25% of stipends at similar universities, and St. Louis has a low cost of living. The department has an excellent record of placing its graduates in a wide variety of jobs: academic, industrial, governmental, legal, consulting, writing/editing and entrepreneurial.

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Faculty

Chair
William E. Buhro (https://chemistry.wustl.edu/people/william-buhro/)
George E. Pake Professor of Arts & Sciences
PhD, University of California, Los Angeles

Endowed Professors
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Michael and Tana Powell Professor of Chemistry
PhD, Washington University

William B. Tolman (https://chemistry.wustl.edu/people/william-tolman/)
William Greenleaf Eliot Professor of Chemistry
Associate Dean of Research
PhD, University of California, Berkeley

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**Assistant Professors**  
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PhD, Washington University  
(Internal Medicine)  

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**Degree Requirements**  
**PhD in Chemistry**  

Requirements: