



Doctor of Philosophy

CHEMISTRY

Chemistry provides an understanding of the extraordinary nature of the world down to the molecular level. Often referred to as the central science, chemistry is the science of the materials we use, the medicine we take, the environment we have in and the food we eat. Our department gives students the opportunity to learn the skills that will lead to tomorrow's discoveries. Through in-depth instruction, hands-on research and independent projects conducted with internationally recognized faculty, chemistry students learn to question, experiment and innovate.

Chemistry faculty collaborate across campus and the world, providing students with strong, interdisciplinary training. Many research areas are supported by affiliated departmental and multidisciplinary centers located in Morgantown, West Virginia, such as the National Energy Technology Laboratory, the National Institute for Occupational Safety and Health and the WVU Health Sciences Center.

Beyond fundamental training in chemical research, there is a strong focus in the department to prepare students for their careers. The department provides mentoring and professional development training, funds to attend scientific meetings, a variety of fellowships to reward meritorious research and full financial support in the form of tuition waivers and generous stipends for all PhD students. A highlight is the annual Bemett Careers for Chemists program, which allows graduate students to meet and discuss their careers with successful chemists in a variety of fields.

RESEARCH AREAS

Bioanalytical Chemistry	Mass Spectrometry
Biochemistry and Biophysics	Medicinal Chemistry
Catalysis	Microfluidics
Chemical Biology	Nanoscience
Chemical Dynamics and Kinetics	Natural Product Synthesis
Chemical Education	Organometallics
Computational Chemistry	Reaction Mechanisms
Forensics	Solid State NMR
Inorganic Photocatalysis	Synthetic Methods
Instrument/Technology Development	Theoretical Chemistry

APPLICATION CHECKLIST

- Graduate application
- Transcripts
- TOEFL scores (international students only)
- GRE score (not required)
- Personal statement
- Three letters of recommendation

FUNDING

All PhD students receive full financial support. This support comes in the form of research or teaching graduate assistantships that provide a University tuition waiver, a competitive stipend with summer support and health insurance.

CAREER PLACEMENT

> **98%**

of chemistry PhD graduates successfully enter the job market.

25%

hold academic positions.

32%

continue their training in postdoctoral research roles.

40%

work in government or industrial laboratories

PROGRAM CONTACT

/ Brian Popp
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APPLICATION DEADLINE

JANUARY 1

WVU is an EEO/Affirmative Action Employer – Minority/Female/Disability/Veteran

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