CURRENTLY SEEKING APPLICANTS FOR
FALL 2018 & SPRING 2019

PROGRAM STRUCTURE

- Base financial aid package: $21,327 + full tuition for applicants meeting faculty research needs
- Year-round hybrid Graduate Teaching and Research Assistantships
- MS degree candidates paired with committed faculty research advisor upon admission
- Flexible curriculum with option to take classes in a variety of science disciplines; Five academic classes required for applicants with an undergraduate Chemistry major
- Typically less than 24 months to degree

OTHER PROGRAM HIGHLIGHTS

- Outstanding record of placing MS degree recipients in highly ranked PhD programs and industrial positions
- Excellent infrastructure for research, including a wide range of instrumentation
- Supplemental fellowships available for exceptional applicants
- Strong department research culture sustained by fourteen faculty with diverse interests

APPLICATION DEADLINES

February 15 to be considered for fullest consideration and for supplemental fellowships
April 1 for base financial aid package

www.wm.edu/as/chemistry

DIRECTOR OF GRADUATE STUDIES

PROFESSOR ROBERT PIKE

chemgradprogram@wm.edu • 757-221-2555
Faculty Research Interests

Christopher Abelt  
Physical Organic  
Fluorescent chemosensors of microacidity and micropolarity.

Deborah Bebout  
Bioinorganic  
*In vitro* approaches to understanding the biochemistry of Zn(II), Cd(II) & Hg(II).

Randolph Coleman  
In *silico* Biochemistry  
Computational studies of pathogenesis.

Elizabeth Harbron  
Physical Organic  
Photochromic conjugated polymer systems for fluorescence intensity modulation.

Robert Hinkle  
Synthetic & Physical Organic  
Department Chair  
Lewis and Brønsted acid mediated cyclization reactions toward heterocycles.

Nathan Kidwell  
Physical  
Photoinitiated chemical reactions in the atmosphere using laser-based methods; dynamics of gas phase species.

Lisa Landino  
Biochemistry  
Oxidative damage to proteins, and its role in neurodegeneration and aging.

William McNamara  
Inorganic  
Artificial photosynthesis; electrocatalysts for H+ reduction.

Tyler Meldrum  
Physical  
Observing physical changes in chemical systems with NMR.

Rachel O’Brien  
Environmental Analytical  
Mass spectrometry, atmospheric chemistry, secondary organic aerosols, analysis of complex organic mixtures.

Robert Pike  
Director of Graduate Studies  
Inorganic & Crystallography  
Metal-organic polymers; responsive materials; X-ray crystallography.

John Poutsma  
Physical Analytical  
Mass spectrometry, proteomics, ion spectroscopy, and gas phase ion chemistry.

Jonathan Scheerer  
Synthetic Organic  
Synthesis & biosynthesis of biologically active polycyclic natural products.

Kristin Wustholz  
Physical  
Applications of laser spectroscopy to solar energy and art conservation.

Douglas Young  
Bioorganic  
New tools for molecular biology; microRNA therapeutics; new unnatural amino acids for addressing biological problems.

Updated September 2017