CURRENTLY SEEKING APPLICANTS FOR FALL 2016 & SPRING 2017

PROGRAM STRUCTURE

• Base financial aid package: $18,500 + 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 (primarily undergrad/grad cross-listed) 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 thirteen faculty with diverse interests

APPLICATION DEADLINES

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

www.wm.edu/as/chemistry
DIRECTOR OF GRADUATE STUDIES
PROFESSOR DEBORAH BEBOUT
chemgradprogram@wm.edu • 757-221-2558

TOP FIVE REASONS TO PURSUE AN MS CHEMISTRY DEGREE

EXCITING RESEARCH
Thirteen faculty programs across the subdisciplines of Chemistry

CHALLENGING ACADEMICS
Flexible curriculum in an elite community of scholars

ADVANCE PROFESSIONALLY
Enhance competitiveness for PhD programs and employment

PERSONAL GROWTH
Gain more insight into your long-term professional interests

GAIN INDEPENDENCE
Attractive hybrid TA/RA financial aid package
**Faculty Research Interests**

**Christopher Abelt**  
*Department Chair*  
*Physical Organic*  
Fluorescent chemosensors of microacidity and micropolarity.

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

**Randolph Coleman**  
*In silico Biochemistry*  
Photochromic conjugated polymer systems for fluorescence intensity modulation.

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

**Robert Hinkle**  
*Synthetic & Physical Organic*  
Catalytic use of Bi(III) compounds for the synthesis of ethers.

**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.

**Robert Pike**  
*Inorganic & Crystallography*  
Synthesis & biosynthesis of biologically active polycyclic natural products.

**John Poutsma**  
*Physical Analytical*  
Synthesis & biosynthesis of biologically active polycyclic natural products.

**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 October 2015*