There are no programs leading to a graduate degree in chemistry. The department offers, on a limited basis, graduate courses in this area.

**Faculty**

**Professors**

Mahrukh Azam (mazam@wcupa.edu) (2004)  
Chairperson, Chemistry  
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University  
Roger Barth (rbarth@wcupa.edu) (1985)  
B.A., La Salle University; M.A., Ph.D., Johns Hopkins University  
Felix E. Goodson (fgoodson@wcupa.edu) (1998)  
A.B., Princeton University; Ph.D., University of California, Berkeley  
Monica Joshi (mjoshi@wcupa.edu) (2010)  
B.Sc., St. Francis Degree College for Women (India); M.Sc., Osmania University (India); Ph.D., Florida International University  
Kurt W. Kolasinski (kkolasinski@wcupa.edu) (2006)  
B.S., University of Pittsburgh; Ph.D., Stanford University  
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B.S., Ph.D., Indiana University  
John R. Townsend (jtownsend@wcupa.edu) (1998)  
B.A., University of Delaware; M.S., Ph.D., Cornell University

**Associate Professors**

Melissa B. Cichowicz (mcichowicz@wcupa.edu) (1986)  
Assistant Chairperson, Chemistry  
B.S., St. Joseph’s College; Ph.D., University of Maryland  
Blaise F. Frost (b frost@wcupa.edu) (1989)  
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Jingqiu Hu (jhu@wcupa.edu) (2014)  
B.S., M.S., Nanjing University; Ph.D., Boston University  
Constantinos Pistos (cpistos@wcupa.edu) (2015)  
B.Sc. Aristotle University of Thessaloniki, Thessaloniki, Greece; M.Sc., Ph.D. National and Kapodistrian University of Athens, Athens, Greece  
James R. Pruitt (jpruitt@wcupa.edu) (2011)  
B.S., Ph.D., University of California  
Thomas R. Simpson (tsimpson2@wcupa.edu) (2016)  
Director, Pharmaceutical Product Development  
B.S., Alleghany College; M.S., Ph.D., University of Rochester

**Instructors**

David Dehm (ddehm@wcupa.edu) (2015)  
B.S., M.S., SUNY Oswego; Ph.D., University of Cincinnati  
Mark Shuman (mshuman@wcupa.edu) (2015)  
B.S., Georgetown University; Ph.D., University of Pennsylvania

**Courses**

**CHE**

**CHE 535. Pharmaceutical Chemistry. 3 Credits.**
Through the use of case studies, the student will learn the role of the chemist in drug discovery and development. Specifically, target initiation, competitive surveillance, lead discovery and optimization, counterscreens for selectivity, pharmacokinetics, selection criteria for entering development and synthetic optimization will be elucidated.  
Typically offered in Spring.  
Cross listed courses CHE 535, PPD 535.

**CHE 544. Topics In Physical Chemistry. 3 Credits.**
Contact department for more information about this course.  
Repeatable for Credit.

**CRL**

**CRL 536. Polymer Chemistry Lab. 2 Credits.**
A course designed to introduce the advanced student to the synthesis of polymers and the study of the molecular, physical, and thermal properties of these compounds.  
Pre / Co requisites: CRL 536 requires prerequisites of CHE 232 and CRL 232 and co-requisite of CHE 536.