

## DEPARTMENT OF CHEMISTRY

*College of the Sciences and Mathematics*

Room 119 The Science Complex South

West Chester University

West Chester, PA 19383

610-436-2631

Department of Chemistry (<http://www.wcupa.edu/chemistry/>)

Dr. Azam ([mazam@wcupa.edu](mailto:mazam@wcupa.edu)), *Chairperson*

Dr. Starn ([tstarn@wcupa.edu](mailto:tstarn@wcupa.edu)), *Assistant Chairperson*

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](mailto: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](mailto:rbarth@wcupa.edu)) (1985)

B.A., La Salle University; M.A., Ph.D., Johns Hopkins University

Felix E. Goodson ([fgoodson@wcupa.edu](mailto:fgoodson@wcupa.edu)) (1998)

A.B., Princeton University; Ph.D., University of California, Berkeley

Monica Joshi ([mjoshi@wcupa.edu](mailto: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](mailto:kkolasinski@wcupa.edu)) (2006)

B.S., University of Pittsburgh; Ph.D., Stanford University

Timothy K. Starn ([tstarn@wcupa.edu](mailto:tstarn@wcupa.edu)) (1996)

Assistant Chairperson, Chemistry

B.S., Ph.D., Indiana University

John R. Townsend ([jtownsend@wcupa.edu](mailto:jtownsend@wcupa.edu)) (1998)

B.A., University of Delaware; M.S., Ph.D., Cornell University

### Associate Professors

Melissa B. Cichowicz ([mcichowicz@wcupa.edu](mailto:mcichowicz@wcupa.edu)) (1986)

B.S., St. Joseph's College; Ph.D., University of Maryland

Blaise F. Frost ([bfrost@wcupa.edu](mailto:bfrost@wcupa.edu)) (1989)

B.A., Yankton College; M.S., Ph.D., University of South Dakota

Jingqiu Hu ([jhu@wcupa.edu](mailto:jhu@wcupa.edu)) (2014)

B.S., M.S., Nanjing University; Ph.D., Boston University

Constantinos Pistos ([cpistos@wcupa.edu](mailto: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](mailto:jpruitt@wcupa.edu)) (2011)

B.S., Ph.D., University of California

Thomas R. Simpson ([tsimpson2@wcupa.edu](mailto:tsimpson2@wcupa.edu)) (2016)

Director, Pharmaceutical Product Development Program

B.S., Allegheny College; M.S., Ph.D., University of Rochester

### Instructors

David Dehm ([ddehm@wcupa.edu](mailto:ddehm@wcupa.edu)) (2015)

B.S., M.S., SUNY Oswego; Ph.D., University of Cincinnati

Mark Shuman ([mshuman@wcupa.edu](mailto: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.

Pre / Co requisites: CHE 535 requires a prerequisite of CHE 232.

Typically offered in Spring.

Cross listed courses CHE 435, 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.