

ALBERT A. HOPEMAN, JR. SCHOOL OF SCIENCE, ENGINEERING AND MATHEMATICS

DEPARTMENT FACULTY

Joseph Augspurger, Ph.D.

Professor of Physical Chemistry

Susan Cramer, Ph.D.

Professor of Organic Chemistry

Michael Falchetta, Ph.D.

Professor of Analytical/Physical Chemistry

Holly Guevara, Ph.D.

Assistant Professor of Organic Chemistry

Timothy Homan, Ph.D.

Professor of Organic Chemistry

Charles Kriley '88, Ph.D.

Professor of Inorganic Chemistry

Kevin Shaw '95, Ph.D.

Professor of Biochemistry

Ven Ney Wong, Ph.D.

Assistant Professor of Analytical Chemistry

DEPARTMENT DESCRIPTION

The Department of Chemistry offers a comprehensive, American Chemical Society certified chemistry degree. This provides the student with a strong preparation for graduate studies and/or a career in the chemical industry. Faculty expertise covers all major areas of chemistry. A variety of research experiences are available to students through ongoing faculty research programs. In addition, the department attempts to instill in its students an awareness of the beauty and design in nature that reflects the creative hand of God.

MAJORS

Chemistry

Students complete 75 credit hours of chemistry core classes, upper-level electives and major related requirements. Students may choose a concentration in biochemistry, computational modeling, forensic chemistry, physical chemistry, or synthetic chemistry.

Biochemistry

Students complete 74 credit hours of chemistry core classes, a four-course biology core sequence and major related requirements. Students may choose a concentration in chemical synthesis, forensic chemistry or health.

Chemistry Secondary Education Major leading to 7-12 Certification

Students complete 103 credit hours of chemistry core, education core and major related requirements.

Chemistry/General Science Secondary Education Major leading to 7-12 Certification

Students complete 109-110 credit hours of chemistry core, education core and major related requirements.

MINOR

Chemistry

General, Analytical and Organic Chemistry classes and eight additional credits from the chemistry core classes.

SPECIAL DEPARTMENTAL AREAS OF INTEREST

The department has an active American Chemical Society Student Affiliates group, and a College chemistry honor society, the Kemikos.

UNDERGRADUATE RESEARCH OPPORTUNITIES

There are numerous research opportunities for students during the academic year as well as opportunities during the summer. Projects include inorganic synthesis, organic synthesis, water analysis and monitoring, computational studies, protein structure analysis, and cancer research.

CERTIFICATION

The chemistry degree (with the correct choice of electives) is certified by the American Chemical Society.

INTERNSHIPS

Many students have participated in National Science Foundation-Research Experiences for Undergraduates programs at major research universities. Students have also participated in corporate summer internship programs with companies like BASF, one of the nation's largest producer and marketer of chemicals.

CAREER AND GRADUATION OPPORTUNITIES

Graduates have obtained employment with industrial companies like PPG, Perkin Elmer, Cargill, Jamestown Coatings, Optical Filters USA and Ohio Lumex and state crime labs in Ohio and Texas. Many are accepted into health-related professional programs including medical school, dental school, pharmacy school, physician assistant and physical therapy programs. Others go on to strong graduate programs at institutions such as Stanford University, Vanderbilt University, Penn State University, University of Pittsburgh, Carnegie Mellon University, University of Wisconsin and Notre Dame University and the Scripps Research Institute.

“After visiting graduate schools and talking to individuals from different schools, I have realized how beneficial it was to come to Grove City College. I have had many valuable opportunities here that one would not get at a larger university or technical school, such as personal interaction with all my professors, the ability to start my own research project which prepared me for graduate school, hands on experience with all the instruments that Grove City has, and a well-rounded liberal arts education.”

– James Alburger '13



CONTACT

Joe Augspurger, Ph.D.

Chair and Professor of Physical Chemistry

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