

- We offer a rigorous program certified by the American Chemical Society
- Our program is in the LEED-certified (Leadership in Energy and Environmental Design) \$33 million
 Swanson Science Center equipped with \$1 million in research-caliber instrumentation
- Small class sizes (average of 15 students per lab section and 25 students per lecture for foundational courses, and 7 students per course for upper-level courses)
- Seven full-time Ph.D. faculty

Major Requirements

- Organic Chemistry: Structure & Fundamentals (CHM 160)
- Organic Chemistry: Reactions and Synthesis (CHM 170)
- Chemical Principles (CHM 260)
- Analytical Chemistry (CHM 270)
- Chemistry Seminar (CHM 465)
- Calculus I (MTH 151)
- Six to 11 additional required courses depending on Major Emphasis
- Capstone (CHM 465)

Minor Requirements

- Organic Chemistry: Structure & Fundamentals (CHM 160)
- Chemical Principles (CHM 260)
- Analytical Chemistry (CHM 270)
- Two CHM courses at the 300-level or higher
- One additional CHM course numbering 170 or above

[Either CHM 300 or BCH 333, but not both, can be used to satisfy the minor requirements.]

Major Emphases

- ACS-Certified
- Chemical Science & Management
- Computational Chemistry
- Materials Chemistry
- Medicinal Chemistry
- Organic Chemistry

Department Chair

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Program Website washieff.edu/chemistry

Beyond the Classroom

Students have many opportunities for research, internships, conferences, and networking beyond the classroom that give them an advantage to prepare for life after W&J.

Research & Internships

Every year, 10 to 15 students present at local, regional, and national conferences. In recent years, students have been sent to San Francisco, New Orleans, Washington D.C., Boston, Orlando, and San Diego.

Students have completed research/participated in internships at:

- •FBI
- Akron
- New York University
- American Chemical Society
- Kinex Pharmaceuticals
- Sonneborn
- Pacific Northwest National Laboratory
- University of Pittsburgh

- Georgia Institute of Technology
- Case Western Reserve University
- Harvard University
- UPMC
- University of Massachusetts
- Cornell Weill Medical Center
- Stanford University
- •University of California, Los Angeles

Employment

Chemistry majors can go into a variety of fields, including:

- Chemical Industry
- Forensic Science
- Patent Law
- Teaching
- Brewing Industry
- Public Policy
- Toxicology
- Medicine

- ·Biomedical Research
- Hospital Administration
- Environmental Protection
- Engineering
- Public Health
- Military Science & Technology
- Art Conservation

Chemistry students have been hired at several companies, including:

- Merck
- Viatris (formerly Mylan)
- PPG
- Valspar
- ·Sherwin-Williams
- Intel
- Ferro
- ·L'Oréal

- Department of Agriculture
- UPMC
- Scripps Research Institute
- ·U.S. Chamber of Commerce
- •FBI
- State Crime Labs
- BrewDog Brewery
- Siemens Engineering