

DEPARTMENT OF CHEMISTRY

Faculty

- 19 faculty
- 95% of the faculty hold a terminal degree (PhD)
- 28% of the faculty are female

Our faculty are diverse:

- They were born and reared in several different states and countries.
- They have attended a diversity of public and private undergraduate institutions.
- Their PhD's were received from well known research institutions throughout the U.S.

Students

- Between 50-60% of our students are female.
- Chemistry has 175 majors, graduating approximately 25-30 each year.
- There are opportunities for students to participate in **research**.
- Students regularly present the results of research investigations at regional and national scientific meetings.
- Student clubs include:
 - American Chemical Society Student Affiliate
 - Alpha Chi Sigma, professional fraternity
 - American Medical Students Association (AMSA).

Curriculum

The Chemistry program at Truman produces liberally educated and critical thinking chemists capable of functioning as professionals. The Chemistry Department offers the Bachelor of Science degree in Chemistry with programs in professional chemistry, pre-allopathic and pre-osteopathic medicine, and pre-pharmacy.

The bachelor's degree in Chemistry combines a strong liberal arts component with an **American Chemical Society (ACS) accredited professional program**. Graduates of Truman's Chemistry Program who meet ACS requirements are eligible for certification to the Society.

- Chemistry has established the Chemistry Contact Center (C³). This space is where Chemistry faculty will be available over thirty hours a week to answer questions regarding introductory courses.
- Our **largest** lectures for science majors have 72 students. Many classes have **only** 20-50 students. Some are as **small** as 10-20 students.
- All lab sections are **restricted** to 24 or fewer students.

Facilities & Equipment

- We have excellent modern atomic absorption, GCMS, FTIR, X-ray and HPLC instruments.
- We have many microcomputers (**both** Macs and IBMs) in teaching and research labs.
- **Eight** new teaching laboratories have opened as a result of the completion of the Magruder Hall project. These laboratories serve students in all areas of chemistry, including introductory courses and courses in organic, inorganic, physical, analytical and biochemistry.
- Our teaching labs are equipped with **state-of-the-art** instrumentation that students use regularly.
- Our 400MHz Nuclear Magnetic Resonance (NMR) instrument can perform numerous **state-of-the-art** experiments.
- The Department owns a single-crystal X-ray diffractometer that is capable of determining precise 3-D structures of molecules as they exist in crystals. Since very few undergraduate institutions nationally have a similar instrument, this adds to the quality of Truman Chemistry program.

Alumni

- Over the past five years, about 55-65% of our graduates attended graduate school, about 25% attend medical, dental, pharmacy school, and the remainder (10-20%) enter the job force.

Graduate Schools

- Some of the graduate, medical, and law schools that our graduates have been accepted into in the past five years are:

Baylor University School of Law	University of Illinois at Urbana-Champaign
California Institute of Technology	University of Illinois School of Law
Cornell University	University of Iowa
Iowa State University	University of Kansas
Kirkville College of Osteopathic Medicine	University of Miami-Ohio
Medical College of Wisconsin	University of Missouri-Columbia
Northern Illinois University	University of Missouri-Columbia Medical School
Northwestern University	University of Montana
The Ohio State University	University of Nebraska
Penn State University	University of Northern Colorado
Purdue University	University of North Carolina-Chapel Hill
Southern Illinois University	University of Wisconsin-Madison
University of California-Berkeley	University of Wyoming
University of California-San Diego	Washington University at St. Louis
University of Chicago	
University of Colorado	

Pharmacy Schools

- Some of the pharmacy schools that our graduates have been accepted into in the past five years:

Creighton University	University of Missouri-Kansas City
University of Kansas	University of Iowa

Employers

- Some of the industrial companies that have hired our recent graduates:

Aventis	Monsanto
BASF	Pfizer
Continental Cement Company	Pharmacia Upjohn Co.
Ecolab Inc	Quintiles Company
Eli Lilly	Seale
Illinois State Crime Lab	Sigma Aldrich Chemical Corp.
Mallinckrodt Chemical Co.	Solutia
Midwest Research Institute (MRI)	Teva Company
	Tnemec Corporation, Inc.

Current Faculty

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| • Dr. Dawood Afzal
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