

Chemistry and Biochemistry

Return to: College of Science (<http://catalog.utep.edu/undergrad/college-of-science/>)

The Department of Chemistry and Biochemistry offers the Bachelor of Science (BS) degree in Chemistry and the Bachelor of Science (BS) degree in Biochemistry. The BS degrees may have, but do not require a minor. The BS in Chemistry degree includes the opportunity to obtain a minor in Secondary Education with Certification in Physical Science or Science. The BS degree in Biochemistry and Chemistry are certified by the American Chemical Society if the course of study is 43 Chemistry semester credit hours (BS Biochemistry) or 47 Chemistry semester credit hours (BS Chemistry).

Pre-Professional Career Advice

The BS Chemistry and BS Biochemistry degrees offer excellent preparation for students interested in careers in dentistry, forensic science, medicine, pharmacy, or veterinary medicine. Students interested in these professions should seek advice from the Pre-Professional Advisor in the Dean of Science Office.

Five-Year Bachelor of Science-Master of Science Program

The curriculum for the BS degree in Chemistry can be completed in three and one-half years. After admission to the Graduate School of the University, it is possible to obtain the MS degree at the end of the fifth year of study in chemistry. Qualified students should consult an academic advisor about the course of study for this program before reaching 60 undergraduate semester credit hours.

Advising and Placement

All students majoring in Chemistry or Biochemistry are required to consult with and have their semester enrollment approved by an advisor in the Department of Chemistry and Biochemistry before every enrollment. For additional information about advisors and advising in chemistry see <https://www.utep.edu/science/chemistry/index.html> (<https://www.utep.edu/science/chemistry/>). For advising in secondary education see <https://www.utep.edu/science/core/> or contact the College of Science Central Office for Readiness and Engagement, 915-747-8027.

Any entering freshman students with at least one year of high school chemistry with an A or B in Chemistry can receive Credit by Examination for CHEM 1305 by achieving a score of 80 or above on an Examination administered by the Department of Chemistry covering the content of this course.

An entering freshman student with two years of high school Chemistry with grades of A or B can receive Credit by Examination for CHEM 1305 and CHEM 1306 by achieving a scores of 80 or above on Examinations administered by the Department of Chemistry covering the content of these two courses.

Chair

Dr. Michael Kenney (<https://expertise.utep.edu/node/34291/>)

Professor

James Becvar (<http://facultyprofile.utep.edu/default.aspx?ID=jbecvar>)

Contact Information: jbecvar@utep.edu; 915-747-7563

Education: Ph D, University of Michigan at Ann Arbor

Carlos Cabrera Martinez (<http://facultyprofile.utep.edu/default.aspx?ID=crcabrerama>)

Contact Information: crcabrerama@utep.edu; 915-747-7550

Education: BS, University of Puerto Rico, Rio Piedras Campus; Ph D, Cornell University

Carl Dirk (<http://facultyprofile.utep.edu/default.aspx?ID=cdirk>)

Contact Information: cdirk@utep.edu; 915-747-7560

Education: BA, Montclair State College; MS, Northwestern University; Ph D, Northwestern University

Carlos Ferregut (<http://facultyprofile.utep.edu/default.aspx?ID=ferregut>)

Contact Information: ferregut@utep.edu; 915-747-6921

Education: BS, National Polytechnic Institute; MS, National Autonomous University of Mexico; Ph D, University of Waterloo

Jorge Gardea-Torresdey (<http://facultyprofile.utep.edu/default.aspx?ID=jgardea>)

Contact Information: jgardea@utep.edu; 915-747-5359

Education: BS, Universidad Autónoma de Chihuahua; MS, New Mexico State University; Ph D, New Mexico State University; Postdoctoral: Department of Energy (WERC), New Mexico State University

Wen-Yee Lee (<http://facultyprofile.utep.edu/default.aspx?ID=wylee>)

Contact Information: wylee@utep.edu; 915-747-8413

Education: BA, National Taiwan Normal University; MS, The University of Texas at El Paso; Ph D, The University of Texas at El Paso; Post Doctoral Training, Connecticut Agricultural Experiment Station

XiuJun (James) Li (<http://facultyprofile.utep.edu/default.aspx?ID=xli4>)

Contact Information: xli4@utep.edu; 915-747-8967

Education: BS, Qingdao University; MS, Shandong University; Ph D, Simon Fraser University; Postdoctoral, University of California, Berkeley; Postdoctoral, Harvard University

Mahesh Narayan (<http://facultyprofile.utep.edu/default.aspx?ID=mnarayan>)

Contact Information: mnarayan@utep.edu; 915-747-6614

Education: BS, University of Bombay; Ph D, The Ohio State University; Postdoctoral, Cornell University; Sr. Res. Assoc., Cornell University

Keith Pannell (<http://facultyprofile.utep.edu/default.aspx?ID=kpannell>)

Contact Information: kpannell@utep.edu; 915-747-5796

Education: BS, Durham University; MS, Durham University; Ph D, University of Toronto

Shailendra Varma (<http://facultyprofile.utep.edu/default.aspx?ID=skvarma>)

Contact Information: skvarma@utep.edu; 915-747-6937

Education: B.Eng., University of Roorkee; MS, University of Denver; Ph D, Georgia Institute of Technology

Dino Villagran (<http://facultyprofile.utep.edu/default.aspx?ID=dino>)

Contact Information: dino@utep.edu; 915-747-8750

Education: BS, The University of Texas at El Paso; MS, The University of Texas at El Paso; Ph D, Texas A&M University; Postdoctoral fellow, Massachusetts Institute of Technology

Chuan Xiao (<http://facultyprofile.utep.edu/default.aspx?ID=cxiao>)

Contact Information: cxiao@utep.edu; 915-747-8657

Education: BS, Fudan University; MS, Fudan University; Ph D, Purdue University

Associate Professor

Ricardo Bernal (<http://facultyprofile.utep.edu/default.aspx?ID=rbernal>)

Contact Information: rbernal@utep.edu; 915-747-6918

Education: BS, Texas A&M University; MS, The University of Texas at El Paso; Ph D, Purdue University; Postdoctoral, Medical Research Council-Laboratory of Molecular Biology

Skye Fortier (<http://facultyprofile.utep.edu/default.aspx?ID=asfortier>)

Contact Information: asfortier@utep.edu; 915-747-5195

Education: Ph D, University of California, Santa Barbara

Amol Kulkarni (<http://facultyprofile.utep.edu/default.aspx?ID=akulkarni>)

Contact Information: akulkarni@utep.edu;

Education: Ph D, University at Buffalo

Katja Michael (<http://facultyprofile.utep.edu/default.aspx?ID=kmichael>)

Contact Information: kmichael@utep.edu; 915-747-5240

Education: BS, University of Frankfurt; MS, University of Frankfurt; Ph D, Technical University in Munich

Juan Noveron (<http://facultyprofile.utep.edu/default.aspx?ID=jcnoveron>)

Contact Information: jcnoveron@utep.edu; 915-747-7572

Education: BA, California State University Long Beach; Ph D, University of California Santa Cruz; Postdoctoral Fellowship, University of Utah

James Salvador (<http://facultyprofile.utep.edu/default.aspx?ID=jsal>)

Contact Information: jsal@utep.edu; 915-747-5704

Education: High School, Stephen F. Austin High School; BS, University of Texas at El Paso; Ph D, New Mexico State University

Geoffrey Saupe (<http://facultyprofile.utep.edu/default.aspx?ID=gsaupe>)

Contact Information: gsaupe@utep.edu; 915-747-7559

Education: Ph D, University of Texas at Austin

Lela Vukovic (<http://facultyprofile.utep.edu/default.aspx?ID=lvukovic>)

Contact Information: lvukovic@utep.edu;

Education: Ph D, University of Illinois

Assistant Professor

Harish Banda (<http://facultyprofile.utep.edu/default.aspx?ID=hbanda1>)

Contact Information: hbanda1@utep.edu; 915-747-8778

Education: MS, Indian Institute of Science Education and Research; Ph D, Communauté Université Grenoble Alpes

Elizabeth Day (<http://facultyprofile.utep.edu/default.aspx?ID=elday>)

Contact Information: elday@utep.edu; 915-747-5010

Education: BS, The University of South Dakota; Ph D, The University of Georgia

Jose Hernandez-Viezcas (<http://facultyprofile.utep.edu/default.aspx?ID=jahernandez19>)

Contact Information: jahernandez19@utep.edu; 915-747-8678

Education: Ph D, The University Of Texas at El Paso

Eda Koculi (<http://facultyprofile.utep.edu/default.aspx?ID=ekoculi>)

Contact Information: ekoculi@utep.edu;

Education: Ph D, John Hopkins

Robert Pankow (<http://facultyprofile.utep.edu/default.aspx?ID=rmpankow>)

Contact Information: rmpankow@utep.edu; 915-747-7555

Education: BA, UC Santa Barbara; MS, CSU Northridge; Ph D, University of Southern California

Hamidreza Sharifan (<http://facultyprofile.utep.edu/default.aspx?ID=hsharifan>)

Contact Information: hsharifan@utep.edu; 915-747-5360

Education: MS, Texas Tech University; Ph D, Texas A&M University

Sreeprasad Sreenivasan (<http://facultyprofile.utep.edu/default.aspx?ID=sreenivasan>)

Contact Information: sreenivasan@utep.edu;

Education: Ph D, Indian Institute of Technology

Assistant Professor of Instruction

Saideh Mortazavi (<http://facultyprofile.utep.edu/default.aspx?ID=ssmortazavi>)

Contact Information: ssmortazavi@utep.edu; 915-747-5701

Education: Ph D, University of Texas

Professor of Instruction

Stephen Stafford (<http://facultyprofile.utep.edu/default.aspx?ID=stafford>)

Contact Information: stafford@utep.edu; 915-747-6930

Education: BS, The University of Texas at El Paso; Ph D, Rice University

Programs

Bachelor of Science

- BS in Biochemistry (<http://catalog.utep.edu/undergrad/college-of-science/chemistry/biochemistry-bs/>)
- BS in Chemistry (<http://catalog.utep.edu/undergrad/college-of-science/chemistry/chemistry-bs/>)

Minor

- Minor in Chemistry (<http://catalog.utep.edu/undergrad/college-of-science/chemistry/chemistry-minor/>)

Fast Tracks

- BS in Chemistry to MS in Chemistry (<http://catalog.utep.edu/undergrad/college-of-science/chemistry/fast-tracks/bs-chemistry-ms-chemistry/>)
- BS in Chemistry to MS in Bioinformatics (<http://catalog.utep.edu/undergrad/college-of-science/chemistry/fast-tracks/bs-chemistry-ms-bioinformatics/>)

The University of Texas at El Paso

College of Science

Chemistry and Computer Science Building

500 W University

El Paso, Texas 79902

Phone: 915.747.8027

Email: chemistry@utep.edu

Visit Department Website (<https://www.utep.edu/science/Academic%20Programs/chemistry-and-biochemistry.html>)