Biological Sciences

The Department of Biological Sciences offers the Bachelor of Arts (BA) degree in Biological Sciences and the Bachelor of Science (BS) degree in Biological Sciences, Cellular and Molecular Biochemistry, and Microbiology. The BS degrees in Biological Sciences have four concentrations: Biomedical Sciences, Ecology and Evolutionary Biology, 7-12 Life Science Secondary Certificate, and 7-12 Science Secondary Certification. The Department of Biological Sciences also offers several Fast Track programs: BS Biology to MS Biology, BS Biology to MS Bioinformatics, BS Biology with Biomedical Science Concentration to MBA. BS Biology with Ecology and Evolutionary Biology Concentration to MBA, BS Microbiology to MBA

Advising and Placement

All majors in the Department of Biological Sciences must be advised prior to registration. See CORE (https://www.utep.edu/science/core/) for advising.

Chair

Bruce Cushing (http://facultyprofile.utep.edu/default.aspx?ID=bcushing)
Contact Information: bcushing@utep.edu (mtcortez@utep.edu); 915-747-5844
Education: Ph D, Michigan State University
Research Interests: Organizational Effects of Early Social Environment, Social Support on resilience and addiction, Transgenerational Epigenetic

Doctoral Advisors

Biosciences

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?ID=ewalsh)
Contact Information: ewalsh@utep.edu (mtcortez@utep.edu); 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Charles Spencer (http://facultyprofile.utep.edu/default.aspx?ID=ctspencer)
Contact Information: ctspencer@utep.edu (mtcortez@utep.edu); 915-747-8776
Education: BA, Washington University in St. Louis; Ph D, Saint Louis University

Ecology & Evolutionary Biology

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?ID=ewalsh)
Contact Information: ewalsh@utep.edu (mtcortez@utep.edu); 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Master’s Advisor

Jerry Johnson (http://facultyprofile.utep.edu/default.aspx?ID=jjohnson)
Contact Information: jjohnson@utep.edu (mtcortez@utep.edu); 915-747-6984
Education: BS, Fort Hays Kansas State University; MS, the University of Texas at El Paso; Ph D, Texas A&M University

Professor

Renato Aguilera (http://facultyprofile.utep.edu/default.aspx?ID=raguilera)
Contact Information: raguilera@utep.edu; 915-747-6852
Education: BS, University of Texas at El Paso; MS, University of Texas at El Paso; Ph D, University of California at Berkeley; POSTD, University of California at Berkeley

Contact Information: saley@utep.edu; 915-747-8813
Education: BS, California Institute of Technology; Post-Bac Watson Fellowship, John Curtin School for Medical Research; Ph D, The Rockefeller University

Igor Almeida (http://facultyprofile.utep.edu/default.aspx?ID=icalmeida)
Contact Information: icalmeida@utep.edu; 915-747-6086
Education: Pharm B, Universidade Regional do Nordeste (currently UEPb); MS, Escola Paulista de Medicina (EPM), Federal University of Sao Paulo (UNIFESP); Ph D, Escola Paulista de Medicina-EPM (currently UNIFESP); Post-Doctoral, University of Dundee

Marc Cox (http://facultyprofile.utep.edu/default.aspx?ID=mbox)
Contact Information: mbox@utep.edu; 915-747-5429
Education: BS, University of Missouri; MSPH, Tulane University School of Public Health and Tropical Medicine; Ph D, Tulane University; Postdoctoral Fellowship NRSA (NIH/NIDDK), Mayo Clinic
Bruce Cushing (http://facultyprofile.utep.edu/default.aspx?ID=bcushing)
Contact Information: bcushing@utep.edu; 915-747-5844
Education: Ph D, Michigan State University

Siddhartha Das (http://facultyprofile.utep.edu/default.aspx?ID=sdas)
Contact Information: sdas@utep.edu; 915-747-6896
Education: BS, University of Calcutta; MS, University of Calcutta; Ph D, University of Calcutta; Post-doctoral researcher, University of Pittsburgh; Post-doctoral researcher, University of California at San Diego (UCSD)

Joanne Ellzey (http://facultyprofile.utep.edu/default.aspx?ID=jellzey)
Contact Information: jellzey@utep.edu; 915-747-6880
Education: BA, Randolph-Macon Woman's College; MA, University of North Carolina; Ph D, The University of Texas at Austin

Paul Goldstein (http://facultyprofile.utep.edu/default.aspx?ID=pgoldste)
Contact Information: pgoldste@utep.edu; 915-747-6999
Education: Ph D, York University

Eli Greenbaum (http://facultyprofile.utep.edu/default.aspx?ID=egreenbaum2)
Contact Information: egreenbaum2@utep.edu; 915-747-5553
Education: High School Diploma, City Honors High School; BS, Binghamton University; MS, University of Louisiana at Monroe; Ph D, University of Kansas

Kyung-An Han (http://facultyprofile.utep.edu/default.aspx?ID=khan)
Contact Information: khan@utep.edu; 915-747-8950
Education: BS, Yonsei University; Ph D, State University of New York at Buffalo Roswell Park Cancer Institute

Jerry Johnson (http://facultyprofile.utep.edu/default.aspx?ID=jjohnson)
Contact Information: jjohnson@utep.edu; 915-747-6984
Education: BS, Fort Hays Kansas State University; MS, the University of Texas at El Paso; Ph D, Texas A&M University

Michael Kenney (http://facultyprofile.utep.edu/default.aspx?ID=mikenney)
Contact Information: mkenny@utep.edu; 915-747-7540
Education: Ph D, Michigan State University

Robert Kirken (http://facultyprofile.utep.edu/default.aspx?ID=rikirken)
Contact Information: rikirken@utep.edu; 915-747-5536
Education: BA, Olivet College; Ph D, Wright State University; Postdoctoral Research Fellowship, National Institutes of Health/National Cancer Institute

Carl Lieb (http://facultyprofile.utep.edu/default.aspx?ID=cleib)
Contact Information: cleib@utep.edu; 915-747-6987
Education: BS, Texas A&M University; MS, Texas A&M University; Ph D, University of California at Los Angeles

Vanessa Lougheed (http://facultyprofile.utep.edu/default.aspx?ID=vlougheed)
Contact Information: vlougheed@utep.edu; 915-747-6887
Education: BS, McMaster University; Ph D, McMaster University

William Mackay (http://facultyprofile.utep.edu/default.aspx?ID=wmackay)
Contact Information: wmackay@utep.edu; 915-747-6991
Education: BA, California State University, Fullerton; MA, California State University, Fullerton; Ph D, University of California, Riverside; Postdoctoral Fellow, New Mexico State University

Rosa Maldonado (http://facultyprofile.utep.edu/default.aspx?ID=ramaldonado)
Contact Information: ramaldonado@utep.edu; 915-747-6891
Education: BS, Universidad Central de Venezuela, Facultad de Ciencias; Ph D, Universidade Federal do Rio de Janeiro, Institute of Biophysics Carlos Chagas Filho; Wellcome Trust International Research Fellow, University of Dundee

Markus Peterson (http://facultyprofile.utep.edu/default.aspx?ID=mipeterson)
Contact Information: mipeterson@utep.edu; 915-747-5354
Education: BS, University of Idaho; DVM, Washington State University; MS, Texas A&M University; Ph D, Texas A&M University

Craig Tweedie (http://facultyprofile.utep.edu/default.aspx?ID=ctweedie)
Contact Information: ctweedie@utep.edu; 915-747-8448
Education: BS, The University of Queensland; BSc Honors, The University of Queensland; Ph D, The University of Queensland; Postdoc, Michigan State University

Elizabeth Walsh (http://facultyprofile.utep.edu/default.aspx?ID=ewalsh)
Contact Information: ewalsh@utep.edu; 915-747-5421
Education: BS, University of Nevada, Las Vegas; Ph D, University of Nevada, Las Vegas

Jianying Zhang (http://facultyprofile.utep.edu/default.aspx?id=jzhang)
Contact Information: jzhang@utep.edu; 915-747-6995
Education: MD, Zhengzhou University School of Medicine (Former Henan Medical University); MPH, Xi’an Jiaotong University School of Medicine (Former Xi’an Medical University); Ph D, Xin’ai’en University; POSTD, The Scripps Research Institute

Associate Professor

Anthony Darrouzet-Nardi (http://facultyprofile.utep.edu/default.aspx?id=ajdarrouzetnardi)
Contact Information: ajdarrouzetnardi@utep.edu; 915-747-6994
Education: BA, University of California, Berkeley; Ph D, University of Colorado

Giulio Francia (http://facultyprofile.utep.edu/default.aspx?id=gfrancia)
Contact Information: gfrancia@utep.edu; 915-747-8025
Education: BS, University of Bristol; Ph D, University of Virginia

Kristine Garza (http://facultyprofile.utep.edu/default.aspx?id=kgarza)
Contact Information: kgarza@utep.edu; 915-747-8027
Education: BS, St. Mary’s University; Ph D, University of Virginia

Kyle Johnson (http://facultyprofile.utep.edu/default.aspx?id=kkjohnson)
Contact Information: kkjohnson@utep.edu; 915-747-6889
Education: BS, University of Washington; Ph D, University of Colorado Health Sciences Center

Arshad Khan (http://facultyprofile.utep.edu/default.aspx?id=amkhan2)
Contact Information: amkhan2@utep.edu; 915-747-8436
Education: BS, University of California at Riverside; MS, University of California at Riverside; Ph D, University of California at Riverside

Manuel Llano (http://facultyprofile.utep.edu/default.aspx?id=mllano)
Contact Information: mllano@utep.edu; 915-747-6885
Education: MD, Universidad de La Habana; MS, Universidad de La Habana; Ph D, Universidad Autónoma de Madrid

Luis Martinez (http://facultyprofile.utep.edu/default.aspx?id=lmartinez43)
Contact Information: lmartinez43@utep.edu; 915-747-6537
Education: Ph D, Albert Einstein College of Medicine

Jennie McLaren (http://facultyprofile.utep.edu/default.aspx?id=jrmclaren)
Contact Information: jrmclaren@utep.edu; 915-747-8903
Education: BS, University of Regina; MS, University of Toronto; Ph D, The University of British Columbia

Manuel Miranda-Arango (http://facultyprofile.utep.edu/default.aspx?id=mmiranda3)
Contact Information: mmiranda3@utep.edu; 915-747-6645
Education: BS, Biology School, at the National University of Mexico (UNAM); MS, Universidad Nacional Autónoma de México; Ph D, National University of Mexico (UNAM)

Michael Moody (http://facultyprofile.utep.edu/default.aspx?id=mlmoody)
Contact Information: mlmoody@utep.edu; 915-747-5087
Education: BA, University of Redlands; BS, University of Arizona; MS, Washington State University; Ph D, University of Connecticut

Jeffrey Olimpo (http://facultyprofile.utep.edu/default.aspx?id=jtolimpo)
Contact Information: jtolimpo@utep.edu; 915-747-6923
Education: BS, Ursinus College; MA, University of Maryland; MS, University of Maryland; Ph D, University of Maryland

Hugues Ouellet (http://facultyprofile.utep.edu/default.aspx?id=houellet)
Contact Information: houellet@utep.edu; 915-747-6607
Education: BS, Laval University; Ph D, Laval University

Adam Perry (http://facultyprofile.utep.edu/default.aspx?id=aperry)
Contact Information: aperry@utep.edu; 915-747-8927
Education: Ph D, University of Illinois

Anita Quintana (http://facultyprofile.utep.edu/default.aspx?id=aquintana8)
Contact Information: aquintana8@utep.edu; 915-747-8988
Education: BS, New Mexico State University; Ph D, University of New Mexico

German Rosas-Acosta (http://facultyprofile.utep.edu/default.aspx?ID=grosas3)
Contact Information: grosas3@utep.edu; 915-747-5122
Education: BS, Universidad de los Andes; MS, New York University - NYU Medical Center - Sackler Institute of Graduate Biomedical Sciences; Ph D, New York University - NYU Medical Center - Sackler Institute of Graduate Biomedical Sciences

Charles Spencer (http://facultyprofile.utep.edu/default.aspx?ID=ctspencer)
Contact Information: ctspencer@utep.edu; 915-747-8776
Education: BA, Washington University in St. Louis; Ph D, Saint Louis University

Charlotte Vines (http://facultyprofile.utep.edu/default.aspx?ID=cvines)
Contact Information: cvines@utep.edu; 915-747-8127
Education: Ph D, Harvard University

Assistant Professor

Alexander Friedman (http://facultyprofile.utep.edu/default.aspx?ID=afriedman)
Contact Information: afriedman@utep.edu
Education: Ph D, Bar-Ilan University

Michael Harvey (http://facultyprofile.utep.edu/default.aspx?ID=mgharvey)
Contact Information: mgharvey@utep.edu; 915-747-6999
Education: BA, Cornell University; Ph D, LOUISIANA STATE UNIVERSITY AND A & M COLLEGE

Camilo Khatchikian (http://facultyprofile.utep.edu/default.aspx?ID=ckhatchikian)
Contact Information: ckhatchikian@utep.edu; 915-747-8640
Education: Ph D, Clark University

Elizabeth LaRue (http://facultyprofile.utep.edu/default.aspx?ID=ealarue)
Contact Information: ealarue@utep.edu
Education: AAS, Muskegon Community College; BS, Grand Valley State University; MS, Grand Valley State University; Ph D, Purdue University

Philip Lavretsky (http://facultyprofile.utep.edu/default.aspx?ID=plavretsky)
Contact Information: plavretsky@utep.edu; 915-747-6424
Education: BA, University of California-Davis; Ph D, Wright State University

Vicente Mata-Silva (http://facultyprofile.utep.edu/default.aspx?ID=vmata)
Contact Information: vmata@utep.edu; 915-747-5959
Education: Ph D, The University of Texas at El Paso

Thomas McCabe (http://facultyprofile.utep.edu/default.aspx?ID=tmmccabe)
Contact Information: tmmccabe@utep.edu; 915-747-6986
Education: Ph D, University of Northern Colorado

Travis Moschak (http://facultyprofile.utep.edu/default.aspx?ID=tmmoschak)
Contact Information: tmmoschak@utep.edu;
Education: Ph D, Oregon Health & Science University

Kelly Ramirez (http://facultyprofile.utep.edu/default.aspx?ID=ksramirez4)
Contact Information: ksramirez4@utep.edu;
Education: BS, Washington State University; Ph D, University of Colorado

Sourav Roy (http://facultyprofile.utep.edu/default.aspx?ID=sroy1)
Contact Information: sroy1@utep.edu; 915-747-8757
Education: BS, University of Calcutta; MS, University of Kalyani; PG Diploma in Information Technology and Management, All India Management Association; MS, Indiana University Bloomington; Ph D, University of California Riverside

Jianjun Sun (http://facultyprofile.utep.edu/default.aspx?ID=jsun)
Contact Information: jsun@utep.edu; 915-747-8905
Education: BS, China Agriculture University; MS, China Agriculture University; Ph D, Medical College of Wisconsin; Postdoctoral fellowship, Harvard Medical School

Sangeeta Tiwari (http://facultyprofile.utep.edu/default.aspx?ID=stiwari)
Contact Information: stiwari@utep.edu; 915-747-6889
Education: MS, Guru Nanak Dev University; Ph D, Jawaharlal Nehru University/Institute of Microbial technology_CSIR

Programs

Bachelor of Arts

• BA in Biological Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-ba/)

Bachelor of Science

• BS in Biological Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-bs/)
• BS in Cellular and Molecular Biochemistry (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/cellular-molecular-biochemistry-bs/)
• BS in Ecology and Evolutionary Biology (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/bs-ecology-evolutionary-biology/)
• BS in Microbiology (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/microbiology-bs/)
• BS in Neuroscience (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/neuroscience-bs/)

Minor

• Minor in Biological Sciences (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/biological-sciences-minor/)

Fast Tracks

• BS Biology to MS Biology (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biology-to-ms-biology/)
• BS in Biological Sciences to MS in Bioinformatics (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-to-ms-bioinformatics/)
• BS in Microbiology Sciences to MS in Bioinformatics (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-microbiology-sciences-to-ms-bioinformatics/)
• BS in Biological Science With Biomedical Science Concentration to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-biomedical-conc-mba/)
• BS in Biological Sciences with Ecology in Evolutionary Biology Concentration to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-biological-sciences-ecology-evolutionary-biology-conc-mba/)
• BS in Microbiology to MBA (http://catalog.utep.edu/undergrad/college-of-science/biological-sciences/fast-track/bs-microbiology-mba/)

The University of Texas at El Paso
Department of Biological Sciences
College of Science
500 W University
El Paso, Texas 79902

Phone: 915.747.5844
Email: biology@utep.edu

Visit Department Website (https://www.utep.edu/science/biology/)