Civil Engineering

Return to: College of Engineering (http://catalog.utep.edu/undergrad/college-of-engineering/)

A-225 Engineering Science Complex
915.747.5464
Fax: 915.747.8037
civilengineering@utep.edu

Vision
The Department of Civil Engineering strives to graduate highly qualified engineers, maintain nationally recognized research and provide quality professional and community service to the region and the world.

Mission
The Department of Civil Engineering of The University of Texas at El Paso through its faculty, staff, students, and constituents works to acquire, generate, share, and use knowledge in the different fields of Civil Engineering to make the El Paso-Ciudad Juárez region and the world a better place to live. The department accomplishes its mission through both undergraduate and graduate programs.

The department contributes to the quality of these programs by generating research opportunities that create synergy among faculty, students, and practicing professionals. We contribute to the quality of life of society through innovation in the generation, sharing, and use of knowledge. We will continue to be leaders in procuring external funding for research and teaching. Faculty work together within the department and with other departments in the University to provide multidisciplinary opportunities for both students and faculty.

The Civil Engineering Department recruits, retains and graduates individuals with high professional and ethical standards to work in government and private organizations. The faculty is committed to increasing and improving the quality of our graduates. The result of our work is reflected in the continuing improvement of the quality of life in El Paso and the surrounding regions through the impact that our graduates have on these communities.

Honor Code
Civil Engineering and Construction Management are licensed professions that are regulated by each state through a licensing or engineering practice law. Each state requires engineers to protect the public safety and act in an honest and trustworthy manner. These standards of ethical behavior are also codified in ethics guidelines established by the National Society of Professional Engineers (NSPE), the American Society of Civil Engineers (ASCE), and the Texas Society of Professional Engineers (TSPE).

Department Policy
The Department has established this Honor Code Policy because it has an obligation to the State and the public to prevent students from entering the profession who are not honest and trustworthy in their academic efforts. This Honor Code Policy allows the Department to recommend disciplinary action to the University Office of Student Services and to remove students from the Department who have violated the Honor Code. This Honor Code is consistent with the Student Conduct and Discipline Chapter of the Student Affairs Section of the Handbook of Operating Procedures (https://www.utep.edu/hoop/) of the University of Texas at El Paso. The Honor Code applies to graduate and undergraduate students, faculty members, and administrators. The Honor Code is based on these requirements:

- Engineers must possess personal integrity both as students and as professionals. They must ensure safety, health, fairness, and honesty in their undertakings.
- Students in the Department are honorable and trustworthy.
- The students, faculty, and administrators of the Department trust each other to uphold the principles of the Honor Code, and they are jointly responsible for precautions against violations of its policies.
- It is dishonorable for students to receive credit for work that is not the result of their own efforts.

Department students are required to sign an Honor Code Agreement which will be kept on file with the Department. The Honor Code has been established to support and enforce course policies set by instructors. Course instructors have exceptional latitude when preparing the policies for their courses. This can lead to variations between policies of different courses. It is the instructor's responsibility to clearly develop course policies. Students are responsible for understanding the Honor Code and course policies and should consult with the instructor if they are unclear. If a student consults with the instructor and still feels the policies for a course are not clear or fair, the student should notify the Department Chairperson.

Department students enrolled in courses outside of the Department must abide by the policies of the school or college in which the course is offered. Students who are not members of the Department who take a course offered by the Department are bound by the policies of the Honor Code.

Programs

Bachelor of Science in Civil Engineering
Civil Engineering

- BS in Civil Engineering (http://catalog.utep.edu/undergrad/college-of-engineering/civil-engineering/civil-engineering-bs/)

Bachelor of Science in Construction Engineering and Management

- BS in Construction Engineering and Management (http://catalog.utep.edu/undergrad/college-of-engineering/civil-engineering/construction-engineering-and-management-bs/)

Minors

- Minor in Civil Engineering (http://catalog.utep.edu/undergrad/college-of-engineering/civil-engineering/civil-engineering-minor/)

CHAIR: Dr. Carlos M. Ferregut (http://facultyprofile.utep.edu/default.aspx?ID=ferregut/)

Professor

Cesar Carrasco (http://facultyprofile.utep.edu/default.aspx?ID=ccarras/)
Contact Information: ccarras@utep.edu (mtcortez@utep.edu); 915-747-6919
Education: BS, Instituto Tecnologico y de Estudios Superiores de Monterrey; MS, UTEP; Ph D, UTEP
Research Interests: Computational Mechanics including linear and non-linear finite element modeling of civil infrastructure systems, Non-destructive testing and evaluation of aerospace and civil infrastructure systems, Risk and reliability of structural systems, Risk assessment of micrometeoroid impacts on aerospace systems, Modeling and testing of hypervelocity impact events for ballistic and shielding applications

Ruey Cheu (http://facultyprofile.utep.edu/default.aspx?ID=rcheu/)
Contact Information: rcheu@utep.edu (mtcortez@utep.edu); 915-747-5717
Education: B.Eng., National University of Singapore; M.Eng., National University of Singapore; Ph D, University of California, Irvine
Research Interests: transportation engineering, traffic engineering, transportation planning, intelligent transportation systems, freight and transportation logistics, cross border transportation

Carlos Ferregut (http://facultyprofile.utep.edu/default.aspx?ID=ferregut/)
Contact Information: ferregut@utep.edu (mtcortez@utep.edu); 915-747-6921
Education: BS, Instituto Politécnico Nacional; MS, Universidad Nacional Autónoma de México; Ph D, University of Waterloo

Wen-Whai Li (http://facultyprofile.utep.edu/default.aspx?ID=wli/)
Contact Information: wli@utep.edu (mtcortez@utep.edu); 915-747-8755
Education: BS, National Taiwan University; MS, Colorado State University; Ph D, Colorado State University; QEP

Austin Marshall (http://facultyprofile.utep.edu/default.aspx?ID=asmashar/)
Contact Information: asmarshall@utep.edu (mtcortez@utep.edu); 915-747-5765
Education: BS, Cornell University; MS, University of Michigan; Graduate study, no degree, University of Michigan; JD, University of Detroit; Real Estate Law Course Program, Mamar University; Certificate, Design-Build, University of Denver and Design-Build Institute of America
Research Interests: Construction Safety, Energy Efficiency, Waste Management, Construction Claims

Soheil Nazarian (http://facultyprofile.utep.edu/default.aspx?ID=nazarian/)
Contact Information: nazarian@utep.edu (mtcortez@utep.edu); 915-747-6911
Education: MS, University of Tehran; MS, Tufts University; Ph D, Univ. of Texas at Austin

Hong-Sioe Oey (http://facultyprofile.utep.edu/default.aspx?ID=oeyhong/)
Contact Information: oeyhong@utep.edu (mtcortez@utep.edu); 915-747-6913
Education: MS, University of Oklahoma; Ph D, University of Oklahoma

Roberto Osegueda (http://facultyprofile.utep.edu/default.aspx?ID=oseguad/)
Contact Information: osegueda@utep.edu (mtcortez@utep.edu); 915-747-5680
Education: BS, Texas A&M University; MS, Texas A&M University; Ph D, Texas A&M University

Vivek Tandon (http://facultyprofile.utep.edu/default.aspx?ID=vivek/)
Contact Information: vivek@utep.edu (mtcortez@utep.edu); 915-747-6924
Education: BS, The Govind Ballabh Pant University of Agriculture & Technology; MS, The University of Texas at El Paso; Ph D, Penn State University

Anthony Tarquin (http://facultyprofile.utep.edu/default.aspx?ID=atarquin/)
Contact Information: atarquin@utep.edu (mtcortez@utep.edu); 915-747-6915
Education: BENG, West Virginia University; MS, West Virginia University; Ph D, West Virginia University
Research Interests: Water treatment process optimization, desalination, RO concentrate management

Charles Turner (http://facultyprofile.utep.edu/default.aspx?ID=cturner/)
Contact Information: cturner@utep.edu (mtcortez@utep.edu); 915-747-6908
Education: BS, University of Nebraska at Lincoln; MS, University of Nebraska at Lincoln; Ph D, Colorado State University

John Walton (http://facultyprofile.utep.edu/default.aspx?ID=walton/)
Contact Information: walton@utep.edu (mtcortez@utep.edu); 915-747-8699
Education: BS, Western Illinois University; MS, University of Virginia; MS, University of Washington; Ph D, University of Idaho

**Associate Professor**

Carlos Chang (http://facultyprofile.utep.edu/default.aspx?ID=cchangalbitres2/)
Contact Information: cchangalbitres2@utep.edu (mtcortez@utep.edu); 915-747-8301
Education: BS, Universidad Nacional de Ingenieria (UNI); MS, Texas A&M University; Ph D, Texas A&M University
Research Interests: My areas of research interest include asset management, infrastructure management, knowledge management, pavement management, highway materials, pavement evaluation and design.

Reza Salehi-Ashtiani (http://facultyprofile.utep.edu/default.aspx?ID=rsalehiashtiani/)
Contact Information: rsalehiashtiani@utep.edu (mtcortez@utep.edu); 915-747-5404
Education: Ph D, Texas A & M University

William Walker (http://facultyprofile.utep.edu/default.aspx?ID=wswalker2/)
Contact Information: wswalker2@utep.edu (mtcortez@utep.edu); 915-747-8729
Education: BS, Texas Tech University; MS, The University of Texas at Austin; Ph D, The University of Texas at Austin
Research Interests: I am interested in researching sustainable water and wastewater treatment. More specifically, my research focuses on inland brackish groundwater desalination and concentrate treatment (especially with electrodialysis), water and mineral reclamation and reuse, and water and sanitation for developing communities.

**Assistant Professor**

Adeeba Raheem (http://facultyprofile.utep.edu/default.aspx?ID=aaraheem/)
Contact Information: aaraheem@utep.edu (mtcortez@utep.edu); 915-747-6348
Education: MS, University of Florida; Certificate, Harvard School of Public Health; MS, University of Florida; MS, University of Florida; Ph D, University of Florida
Research Interests: Building Information Modeling, Construction Safety, Sustainable Construction, Energy Simulation,

Jeffrey Weidner (http://facultyprofile.utep.edu/default.aspx?ID=jweidner/)
Contact Information: jweidner@utep.edu (mtcortez@utep.edu); 915-747-6913
Education: Ph D, Drexel University; MS, Lehigh University

**Research Assistant Professor**

Saurav Kumar (http://facultyprofile.utep.edu/default.aspx?ID=skumar2/)
Contact Information: skumar2@utep.edu (mtcortez@utep.edu); 915-747-6329
Education: B.Eng., Delhi College of Engineering; MS, Nanyang Technological University; Ph D, Virginia Tech

Luis Perez (http://facultyprofile.utep.edu/default.aspx?ID=lperez/)
Contact Information: lperez@utep.edu (mtcortez@utep.edu);
Education: BS, The University of Texas at El Paso; MS, The University of Texas at El Paso; Ph D, University of Texas at El Paso

Danniel Rodriguez (http://facultyprofile.utep.edu/default.aspx?ID=ddrodriguez2/)
Contact Information: ddrodriguez2@utep.edu (mtcortez@utep.edu); 915-747-6167
Education: Ph D, The University of Texas at El Paso