

Degrees

- Ph.D. in Civil Engineering
- Master of Science in Civil Engineering
- Master of Engineering in Civil Engineering
- Master of Construction Management

Student Composition and Diversity

U.S. News and World Report rated UTA as the 5th-most diverse university in the United States in 2017. The University is an Hispanic-serving institution and is one of the 40 most popular U.S. colleges and universities for international students, based on data from the Institute of International Education's 2014-15 Open Doors Report.

How to Apply

Begin your application for graduate admission today at:

uta.edu/admissions/graduate/apply.

Please be sure to check application deadlines and include all of the required application materials and fees.

Financial Assistance

All applications for admission will be also be considered for assistantships, fellowships, and scholarships. Complete your application early to take advantage of all opportunities for financial aid.

Who Hires Our Graduates?

Graduates of the department work at many companies in the region, including Freese and Nichols, Jacobs Engineering, HP Civil Engineering, BNSF Railway, Dunaway Associates, the Texas Department of Transportation, Teague, Nall & Perkins, and several others.

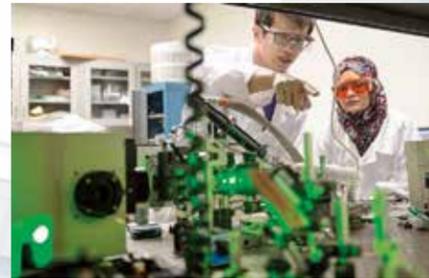
Learn More

For more information about the Civil Engineering Department, visit our website at uta.engineering/ce or contact the graduate advisor:

Ali Abolmaali, Ph.D.
817-272-5055
abolmaali@uta.edu

Why Pursue a Graduate Degree at UTA?

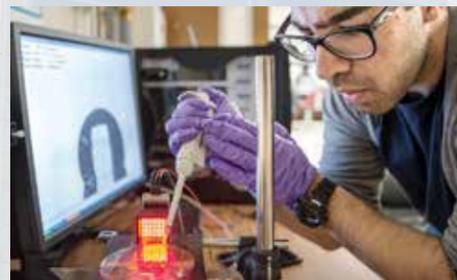
The Civil Engineering Department is one of the most productive and progressive academic units in the College of Engineering. The department currently has approximately 1,000 students, which includes more than 400 master's and more than 100 doctoral students. Our research facilities and centers are exemplary, and our faculty, staff, and students have transformed the department to a new level of excellence in research and teaching that directly addresses local and



national engineering needs by providing innovative solutions to the most challenging problems facing our nation's infrastructure.

An Impactful Research University

The University of Texas at Arlington is rising in stature through its commitment to transforming the lives of students and pushing the boundaries of knowledge. Dramatic, measurable advancements continue to propel the University toward its goal of becoming one of the nation's premier research institutions. UTA is designated an R-1 Carnegie "highest research activity" institution. Research activity at the university has more than tripled to more than \$85 million over the past 10 years, with increasing expertise in bioengineering, medical diagnostics, micro-manufacturing, and defense and Homeland Security technologies, among other areas. With a projected total global enrollment of close to 57,000 students, UTA is one of the largest universities in Texas. UTA is a first-choice university for students seeking a vibrant college experience. In addition to receiving a first-rate education, our students participate in a multitude of activities that prepare them to become the next generation of leaders.



An Ideal Location

UTA is located in the heart of the Dallas/Fort Worth Metroplex, the fourth-largest metropolitan area in the United States. Arlington is located between the cities of Dallas and Fort Worth and is a center for sporting events, tourism and manufacturing. The Metroplex has one of the highest concentrations of corporate headquarters in the United States, with corporations such as Texas Instruments, AT&T, Ericsson, Lockheed Martin, Bell Helicopter Textron, Jacobs Engineering, and many more. Also, just minutes from campus, DFW International Airport and several interstate highways allow easy access to global collaboration and commerce.



Civil Engineering



UNIVERSITY OF
TEXAS
ARLINGTON

DEPARTMENT OF
CIVIL ENGINEERING

Faculty and Research Interests

Ali Abolmaali

Dr. Tseng Huang Endowed Professor
Department Chair
abolmaali@uta.edu

Structural engineering and applied mechanics

Habib Ahmari

Senior Lecturer
habib.ahmari@uta.edu

Water resources engineering

Siamak Ardekani

Professor
ardekani@uta.edu

Transportation engineering, infrastructure system engineering and management,

Raad Azzawi

Senior Lecturer
azzawi@uta.edu

Structural engineering and applied mechanics.

Shih-Ho Chao

Associate Professor
shchao@uta.edu

Structural engineering and applied mechanics

Hyeok Choi

Associate Professor
hchoi@uta.edu

Environmental engineering

Nick Fang

Assistant Professor
nickfang@uta.edu

Water resources engineering

Mostafa Ghandehari

Senior Lecturer
ghandeha@uta.edu

Civil engineering

Suyun Ham

Assistant Professor
suyun.ham@uta.edu

Structural engineering and applied mechanics

Sahadat Hossain

Professor
hossain@uta.edu

Geotechnical engineering, infrastructures system engineering and management

Laureano Hoyos

Professor
lhoyos@uta.edu

Geotechnical engineering

Vistasp Karbhari

UTA President
vkarbhari@uta.edu

Structural engineering and applied mechanics

Sharareh Kermanshachi

Assistant Professor
sharareh.kermanshachi@uta.edu

Construction engineering and management

Andrew Kruzic

Associate Professor
kruzic@uta.edu

Environmental engineering

James Leininger

Senior Lecturer
Associate Chair
jleininger@uta.edu

Civil engineering

John Matthys

Director, Construction Research Center
Professor Emeritus
matthys@uta.edu

Structural engineering and applied mechanics

Stephen Mattingly

Associate Professor
mattingly@uta.edu

Transportation engineering, infrastructure system engineering and management

Mohammad Najafi

Director, Construction Management Program
najafi@uta.edu

Construction engineering and management

Srinivas Prabakar

Senior Lecturer
prabakar@uta.edu

Environmental engineering

Anand Puppala

Distinguished Teaching Professor
Associate Dean for Research
anand@uta.edu

Geotechnical engineering

Stefan Romanoschi

Professor
romanoschi@uta.edu

Infrastructure system engineering and management

Melanie Sattler

Associate Professor
Syed Qasim Endowed Professor
msattler@uta.edu

Environmental engineering

Dong-Jun (DJ) Seo

Professor
Robert S. Gooch Professor of Water Resources Engineering
djseo@uta.edu

Water resources engineering

Mohsen Shahandashti

Assistant Professor
mohsen@uta.edu

Construction engineering and management

Nilo Tsung

Senior Lecturer
nilo.tsung@uta.edu

Construction engineering and management

James Williams

Professor
jimwilliams@uta.edu

Transportation engineering

Nur Yazdani

Professor
yazdani@uta.edu

Structural engineering and applied mechanics

Xinbao Yu

Assistant Professor
xinbao@uta.edu

Geotechnical engineering

Yu Zhang

Associate Professor
xinbao@uta.edu

Hydrology and water resources

Current Research

UTA is the lead institution for the Center for Transportation Equity, Decisions and Dollars University Transportation Center and is involved in two other UTC consortia across several academic and research disciplines that intersect the nation's current and future transportation infrastructure.

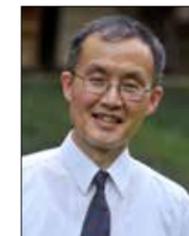
Anand Puppala will lead a collaborative effort to use unmanned aerial vehicles to inspect highways and railroads remotely and develop guidelines for how to safely complete the task. Teams from Texas A&M University-Corpus Christi and the Texas A&M Transportation Institute also will contribute.

DJ Seo expects to improve the accuracy of rainfall maps produced by the National Weather Service by 10 to 20 percent for heavy-to-extreme rainfall events by developing new algorithms that take into account the weather radar networks, tens of thousands of rain gauges and satellite sensors that the National Weather Service employs.

Xinbao Yu will lead a team in testing lab-scale models of concepts developed in previous research to use geothermal energy to make Texas bridges and overpasses safer during winter weather.

Sahadat Hossain is working to implement a system to improve sub-base repair of roads that would reduce pavement cracking and thus improve pavement maintenance. He will also use recycled plastic pins for slope stabilization in and around the Texas Department of Transportation's Dallas District.

Ali Abolmaali is working on projects that will install longer-lasting, sturdier fiber-reinforced concrete pipes developed in UTA labs in actual highway projects in Texas and develop the 100-year service life protocol testing criteria for built pipes for Florida.



State-of-the-Art Research Facilities

Structures Laboratory

This facility is used to conduct static and dynamic tests on large structural components and systems, particularly reinforced/prestressed concrete, masonry, timber and steel structures. Bridge components using new and conventional materials can be tested, and the laboratory is capable of simulating the effects of earthquake, blast and wind forces on the performance of structures.



Accelerated Pavement Testing Center

The Accelerated Pavement Testing Center features a machine that is about 68 feet long by 10 feet wide by 11 feet tall and weighs 60,000 pounds. The machine, which looks like a truck trailer car with an enclosed axle and wheels, moves back and forth over a test section every six seconds to simulate stress and measure durability of various materials used to pave roads.



Civil Engineering Laboratory Building

Situated on the west side of campus, the Civil Engineering Lab Building houses areas for the study of asphalt/pavement, construction engineering, materials/structures, and geoenvironmental and geotechnical systems.

The facility provides enhances the learning experience of the students and allows space for areas of high-demand research.

