

UNIVERSITY OF TEXAS  ARLINGTON



Fifth Annual  
**plc**  
Pipeline  
Leadership  
CONFERENCE

# UTA's Construction Management

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The Center for Underground Infrastructure Research and Education (CUIRE)  
The University of Texas at Arlington  
November 2019



# The University of Texas at Arlington

Top 30 for Hispanic Students  
Best Graduate Schools

## 60,000 Enrolled Students

Civil Engineering # 89

**AWARDED R-1**

High Research Activity Doctoral Universities

**BEST OF THE WEST**

Region by Region Rankings



**\$17.1 billion**

**ECONOMIC IMPACT**

UTA's total annual economic benefit to the region.

**6,000**

**FACULTY AND STAFF**

UTA is one of the areas largest employers.

**\$1.5 million**

**FEDERAL GRANTS**

Helps qualified graduate students earn doctoral degrees.

**Fortune**

**500**

**LEADERSHIP POSITIONS**

Alumni hold leadership positions at 24 of the N Texas F500.

**13,728**

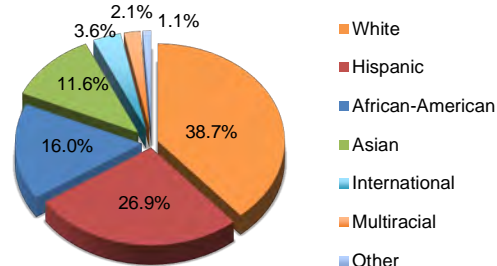
**GRADUATE AND UNDERGRADUATE DEGREES**

Total degrees and certificates earned in 2017-18.

**\$3.3 Billion**

**GENERATED IN BUSINESS ACTIVITY BY COMPANIES ASSISTED BY TMAC**

TMAC worked with 515 manufacturing customers.



Ranked 5<sup>th</sup> most diverse public research university in the nation



Distinguished Alumni

# UTA Construction Management Program

ONLINE AND IN-CLASS

## Construction Core Courses

- CE 5344 Construction Methods - Field Operations → Oil & Gas
- CE 5379 Construction Cost Estimating
- CE 5386 Construction Planning and Scheduling

## Commercial and Residential Option

- CE 5300 Building Information Modeling (BIM)
- CE 5378 Construction Contracts, Specifications and Administration
- CE 5300 Construction Sustainability
- CE 5300 Public Private Partnerships (P3)
- General Elective with Approval of Program Director

## Infrastructure and Heavy/Highway Option

- CE 5388 Pipeline Construction and Trenchless Technology → Oil & Gas
- CE 5389 Pipeline Asset Management and Sustainability → Oil & Gas
- CE 5345. Infrastructure Evaluation, Maintenance and Rehabilitation → Oil & Gas
- CE 5300 Public Private Partnerships (P3)
- General Elective with Approval of Program Director



# Master of Utility Engineering and Surveying

The Program Covers:

Planning, design, positioning, construction, operation, maintenance, and asset management of any and all utility systems, as well as the interaction between utility infrastructure and other civil infrastructure

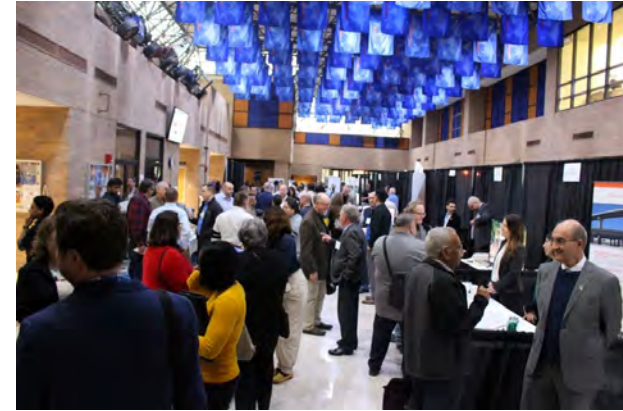
Suitable for:

- Pipeline and Utility Engineering
- Engineering Survey
- Geophysics
- Designating, Locating, and Data Management
- Risk Management

Potential Jobs for:

- Water and Wastewater Pipeline Engineers and Managers
- **Oil & Gas Pipeline Engineers**
- Subsurface Utility Engineers
- Utility Coordinators
- Utility Surveyors
- Right-of-Way Engineers
- Utility Asset Managers

**New Program**





# Center for Underground Infrastructure Research and Education (CUIRE)

- Pipe Testing (Static & Cyclic)
- Training and Certification
- Asset Management Strategies
- Pipeline Inspection Methods
- Material Qualifications
- Structural Analysis
- HDPE Butt Fusion Curing Testing
- Soil-box Testing
- Inspection and Installation Guidelines
- Finite Element Modeling

