

**Transportation Training Services**

THE UNIVERSITY OF TEXAS AT ARLINGTON

**PWI**

PUBLIC WORKS INSTITUTE



# 2015 COURSE CATALOG

Register Today | 866-906-9190 | [uta.edu/ded](http://uta.edu/ded)

Contract Classes Available Upon Request



UT ARLINGTON DIVISION FOR ENTERPRISE DEVELOPMENT



UNIVERSITY OF  
TEXAS  
ARLINGTON

“All I have to  
say is WOW!  
Truly amazing  
class!”

**The University of Texas at Arlington (UTA)** is a growing research powerhouse committed to life-enhancing discovery, innovative instruction, and caring community engagement. An educational leader in the heart of the thriving North Texas region, UT Arlington nurtures minds within an environment that values excellence, ingenuity, and diversity.

UT Arlington is dedicated to producing the lifelong learners and critical thinkers our region and nation demand. In addition to receiving a first-rate education, our students participate in a robust slate of co-curricular activities that prepare them to become the next generation of leaders.

The Division for Enterprise Development's (DED) **Transportation Training Services** and **Public Works Institute** are dedicated to developing and delivering quality courses that support the training needs of professionals in the transportation and public works industry. Our trainings provide individuals the opportunity to learn the fundamentals and best practices from leaders in the field.

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### **We pride ourselves on having the best instructors.**

Our instructors have years of experience in the transportation industry; many are retired from State or Federal agencies. Prior to teaching independently for the PWI our instructors complete a rigorous training program which includes observing experienced instructors, conducting hands-on training and necessary evaluations. They also receive on-going training in adult learning methodologies and effective teaching strategies.

Below are just a few of the many positive comments our instructors and classes have received:

*“The instructor was very knowledgeable and could relate the topics to our everyday job.”*

*“Instructor was very informative. She made this class very fun and interesting.”*

*“The trainer was really helpful and made this subject easy to understand.”*

*“This class is awesome I want to take it again and again.”*

*“Very informative and easy to understand class. A++++”*





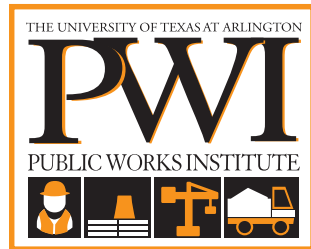
**Transportation Training Services**

based on quality of services offered and variety of courses available. Our mission is to provide ongoing professional development opportunities, preparing diverse highway workers for career advancement that address professional and technical development requirements for the highway industry, local, state and federal agencies.

Upon successful completion of a TTS course, students will receive a certificate of completion from the University of Texas at Arlington’s Transportation Training Services and will be awarded continuing education units (CEUs).

**Rick Smith**  
**512-637-9853**  
**ricksmith@uta.edu**

UTA/DED’s **Transportation Training Services** (TTS) vision is to be the leading highway transportation professional and technical educational provider,



The mission of the **Public Works Institute** (PWI) is to provide professional development, certification, training and skill development opportunities to public works professionals. Training topics include traffic work zone management,

environmental controls, regulatory requirements, infrastructure design and construction, fire protection, public safety, emergency preparedness, disaster response, heavy equipment operation, and various levels of professional engineering subjects.

Upon successful completion of a PWI course, students will receive a certificate of completion from the University of Texas at Arlington’s Public Works Institute and will be awarded continuing education units (CEUs).

**Ashley Mathews**  
**979-307-7416**  
**ashley.mathews@uta.edu**

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## FREE COURSES FOR LOCAL GOVERNMENT

**CITY COUNTY TRAINING GRANT:** As part of our commitment to help build a workforce to meet the changing demands of Texas, UT Arlington has joined forces with the Texas Department of Transportation to offer exclusive training at NO COST to municipal, city, and county organizations. All CCT courses, along with RMS 100 will be submitted to the County Judges & Commissioners Association of Texas for continuing education credit hour approval.

**Municipal, city, and county organizations can schedule their FREE TRAINING by contacting:**  
**Angela Bailey (Scheduling Coordinator)**  
**281-506-8321**  
**arbailey@uta.edu**

### Planning Work Zone Traffic Control | [CCT 210](#)

**2 days (16 hours)**  
**CEUs: 1.6**  
**FREE for local government**

This advanced course is designed to familiarize supervisors and planners with the procedures used to make decisions regarding work zone traffic control. Course content includes: components of a typical work zone; designing a series of traffic control plans that meet the requirements of the 2011 TMUTCD, treatment procedures for pavement edge drop-offs; procedures for conducting periodic inspections of the traffic control setup, both during the day and at night, and the importance of proper record keeping. Upon successful course completion, participants will receive a certificate and 1.6 CEUs from UT Arlington's Public Works Institute. Completion of CCT 520 prior to participation is highly suggested.

### Work Zone Construction Site Safety | [CCT 401](#)

**1.5 days (12 hours)**  
**CEUs: 1.2**  
**TCEQ training hours: 12**  
**FREE for local government**

This class is designed to concentrate on activities which generate the highest level of accidents and injuries in road construction and maintenance work zones. It will help students recognize unsafe work practices and reduce or eliminate hazards from the work environment. The training reinforces components of proper work zone traffic control and flagging and includes all required content for the OSHA 10-Hour Outreach Construction Card. An OSHA 10-Hour wallet card and a UT Arlington Public Works Institute certificate are issued upon successful completion of this training. This course is also recognized for 12 hours of training credit for TCEQ Water and Wastewater Operators.

### Installation and Maintenance of Signs and Pavement Markings | [CCT 515](#)

**2 days (16 hours)**  
**CEUs: 1.6**  
**FREE for local government**

This course is designed to help students understand accepted practices in the application, installation, maintenance, and operation of signs and pavement markings typically used on public roadways. Upon successful course completion, participants will receive a certificate and 1.6 CEUs from UT Arlington's Public Works Institute.



### Work Zone Traffic Control/Qualified Flagger I **CCT 520**

**2 days (16 hours)**  
**CEUs: 1.6**  
**TCEQ training hours: 16**  
**FREE for local government**

This is the primary course for all personnel involved in the design, layout, and maintenance of traffic control devices on public roadways. Course content includes the proper usage of common temporary traffic control devices, the components of a typical work zone and how to lay out buffers, tapers, advance warning areas, and termination areas. Students will also learn and demonstrate proper use of hand signaling devices and flagging procedures. Upon successful course completion, participants will be issued a Qualified Flagger card valid for 3 years and will receive a certificate and 1.6 CEUs from UT Arlington's Public Works Institute. This course is also recognized for 16 hours of training credit for TCEQ Water and Wastewater Operators.

### TMUTCD Update and Work Zone Refresher I **CCT 521**

**1 day (8 hours)**  
**CEUs: 0.8**  
**FREE for local government**

This course provides an update of basic changes included in the Revision 1, November 2011 edition of the Texas Manual of Uniform Traffic Control Devices (TMUTCD). The course also serves as a refresher for participants who have previously taken the CCT 520 (Work Zone Traffic Control/Qualified Flagger) course. The course also includes an overview and refresher of the requirements for temporary traffic control in work zones, allowing students to sharpen skills by designing temporary traffic control plans to meet hypothetical situations. Upon successful course completion, participants will receive a certificate and 0.8 CEUs from UT Arlington's Public Works Institute.

### Traffic Management for First Responders I **CCT 700**

**1 day (8 hours)**  
**CEUs: 0.8**  
**FREE for local government**

Texas' population and economic growth have significantly increased the number of vehicles, especially commercial vehicles, on its roads. This results in an increase in primary incidents, which in turn heightens the chance of secondary incidents. These secondary incidents can be as deadly and destructive as the initial situation. An appropriate traffic control response by first responders can make a significant difference in the probability of a secondary incident. This **SHRP2** National Traffic Incident Management Responder Training based course provides first responders with the knowledge needed to ensure a well-coordinated response to traffic incidents that achieves faster clearance and improved safety for both responders and motorists. This course is eligible for TCOLE, TCFP, TX DSHS EMS, or TDLR TOWING continuing education credits.

### Better Roads, Safer Roads, Safer Workers I **RMS 100**

**2 days**  
**(Day 1: in field, Day 2: in class, up to 8 hours)**  
**CEUs: 0.8**  
**\$ Call for pricing**

This customized course is designed to assist local road agencies with insight on using their resources wisely to provide better, safer roads. Additionally, it promotes safe work practices for road workers. The first day will be spent assessing current road conditions. While the second day is spent reviewing best road maintenance strategies for the specific road conditions, and safe work practices for road maintenance personnel.



## FEDERAL HIGHWAY GRANT

UT Arlington's Division for Enterprise Development and the Federal Highway Administration (FHWA) are offering an instructor-led Construction Site Safety in Work Zones course in FHWA's Region VI. Region VI is comprised of Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. The course provides comprehensive health and safety training related to road construction work sites and ensures compliance with federal OSHA Standards and expanded emphasis on worker safety. The audience for this safety training course is "craft" and utility workers or other related disciplines involved in highway and road construction, utilities, infrastructure, survey, and maintenance. The course is produced under the U.S. Department of Transportation Federal Highway Administration Grant DTFH6114H00010.

Upon successful course completion, participants will receive an OSHA 10-Hour Construction Industry Outreach Course Card.



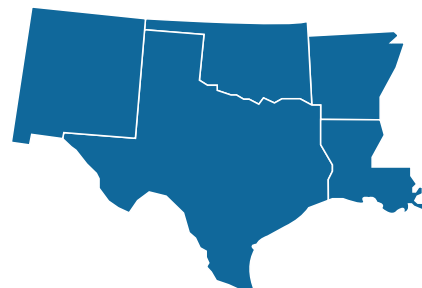
**Rick Smith**  
**512-637-9853**  
**ricksmith@uta.edu**

### Construction Site Safety in Work Zones | WKZ401

**1.5 days (12 hours)**  
**CEUs: 1.2**  
**\$ NO COST**  
**(subsidized through a FHWA grant)**

This course is designed to concentrate on activities which generate the highest level of accidents and injuries in road construction and maintenance work zones. It will help students recognize unsafe work practices and reduce or eliminate hazards from the work environment.

**2015 COURSES**  
**4 classes to be held in each state.**  
**Call for locations and dates.**





# FLAGGER TRAINING

UT Arlington's Division for Enterprise Development is proud to be an approved training provider for the Texas Department of Transportation. Transportation Training Services (TTS) offers the best **Flagger Training and Qualification Program** in the State of Texas. Upon successful completion, participants will receive their flagger qualification card which is valid for three years. Our flagger instructors offer the highest quality training to ensure safety for both roadway workers on the job as well as the general public on the roads.

TTS offers a flexible training schedule that can accommodate large groups or individuals. We can hold training courses at our high quality training facility or at your place of business.

***Call today to set up a Flagger Training Program designed for your specific needs.***

**Rick Smith**  
**512-637-9853**  
**ricksmith@uta.edu**

## Flagger Training | FLG 521

**0.5 day (4 hours)**

**CEUs: 0.4**

**\$125 per person**

**\$2400 up to 25 people**

This course is intended for individuals who will be performing or engaging in flagger duties on construction/maintenance projects. The course will provide a better understanding of the importance and duties involved with flagging on a project. Individuals successfully completing this course will receive a Qualified Flagger wallet card valid for a period of 3 years.

### Scheduled Classes

#### Arlington, TX

Jan 14, 2015  
 Apr 09, 2015  
 Jul 22, 2015  
 Oct 06, 2015

#### Austin, TX

Feb 12, 2015  
 May 14, 2015  
 Aug 20, 2015  
 Oct 29, 2015

#### Houston, TX

Mar 25, 2015  
 Jun 17, 2015  
 Sept 17, 2015  
 Nov 05, 2015

## Flagger: Train the Trainer | FLG 522

**1 day (8 hours)**

**CEUs: 0.8**

**\$395 per person**

This course is designed to prepare contractor representatives to present the 4-hour Flagger Training course to employees wishing to become qualified flaggers. In addition to basic training in fundamental concepts of work zone traffic control and flagging, adult training techniques will be presented, discussed, and demonstrated. There will be an opportunity for the participants to practice training techniques and flagging procedures. Upon successful completion of the course, students will be qualified to train flaggers for a period of 3 years.

### Scheduled Classes

#### Arlington, TX

Jan 13, 2015  
 Apr 08, 2015  
 Jul 21, 2015  
 Oct 05, 2015

#### Austin, TX

Feb 11, 2015  
 May 13, 2015  
 Aug 19, 2015  
 Oct 28, 2015

#### Houston, TX

Mar 24, 2015  
 Jun 16, 2015  
 Sept 16, 2015  
 Nov 04, 2015





## SAFETY TRAINING

### Excavation Safety I **EXC 201**

**1 day (8 hours)**  
**CEUs: 0.8**  
**\$195 per person**  
**\$2400 (contract class, up to 20 people)**

This course is designed to meet the Competent Person training requirement of the OSHA Standard for Excavations. It is intended to provide those who work in or around excavations and might be exposed to excavation hazards with the ability to recognize and minimize such hazards. Course content includes: overview of excavations/trenches; common excavation hazards; hazard recognition; soil types and classifications; protective systems including benching/sloping, shoring, and shielding; access and egress; applicable regulatory requirements; and components of an OSHA-compliant excavation safety program. Upon successful course completion, participants will receive certificates from the University of Texas at Arlington's Public Works Institute and the U.S. Department of Labor's OSHA Training Institute.

#### Scheduled Classes

<b>Arlington, TX</b> Jan 29, 2015	<b>Austin, TX</b> Feb 24, 2015	<b>Houston, TX</b> Mar 31, 2015
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### Confined Space Safety I **CS 202**

**1 day (8 hours)**  
**CEUs: 0.8**  
**\$195 per person**  
**\$2400 (contract class, up to 20 people)**

This course is designed to meet the training requirements of the OSHA Standard for confined space entry for entrants, attendants, and entry-supervisors. It is intended to provide participants who might be exposed to confined space hazards with the ability to recognize and minimize such hazards. Course content includes: overview of confined spaces; common confined space hazards; hazard recognition; classification of confined spaces; the permit system; atmospheric testing; ventilation systems; rescue considerations; applicable regulatory requirements; and components of an OSHA-compliant confined space program. Upon successful course completion, participants will receive certificates from the University of Texas at Arlington's Public Works Institute and the U.S. Department of Labor's OSHA Training Institute.

#### Scheduled Classes

<b>Arlington, TX</b> Apr 23, 2015	<b>Austin, TX</b> May 21, 2015	<b>Houston, TX</b> Jun 3, 2015
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### Electrical Safety I **ELC 203**

**1 day (8 hours)**  
**CEUs: 0.8**  
**\$195 per person**  
**\$2400 (contract class, up to 20 people)**

This course is intended to provide participants who might be exposed to electrical hazards (such as electric shock, electrocution, fires, and explosions) with the ability to recognize and minimize such hazards. Course content includes: electrical concepts; hazard recognition and control; definitions and terminology; safe work practices; lockout-tagout; electrical equipment; wiring; special systems; applicable regulatory requirements; and components of an OSHA-compliant electrical safety program. Upon successful course completion participants will receive a certificate from the University of Texas at Arlington's Public Works Institute.

#### Scheduled Classes

<b>Arlington, TX</b> Jul 8, 2015	<b>Austin, TX</b> Aug 13, 2015	<b>Houston, TX</b> Sep 22, 2015
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**Fall Safety I FP 204****1 day (8 hours)****CEUs: 0.8****\$195 per person****\$2400 (contract class, up to 20 people)**

This course is designed to meet the Competent Person training requirement of the OSHA Standard for falls. This course is intended to provide those who work at elevation and are exposed to fall hazards with the ability to recognize and minimize such hazards. Course content includes: overview of fall protection; common workplace fall hazards; hazard recognition; fall protection systems including personal fall arrest equipment, guardrails, and safety nets; applicable regulatory requirements; and components of an OSHA-compliant fall protection program. Upon successful course completion participants will receive certificates of completion from the University of Texas at Arlington's Public Works Institute and the U.S. Department of Labor's OSHA Training Institute.

**Scheduled Classes****Arlington, TX**

Oct 27, 2015

**Austin, TX**

Oct 7, 2015

**Houston, TX**

Nov 3, 2015

**Electric Arc Flash and NFPA 70-E Awareness I ELC 450****1 day (8 hours)****CEUs: 0.8****\$195 per person****\$2400 (contract class, up to 20 people)**

This course is designed to introduce the student to the basic components of an electrical circuit, the potential hazards, and how to recognize and avoid such hazards. This course will introduce various portions of NFPA, Vol. 70E covering electrical hazards and personal protective equipment (PPE). The course will enhance the knowledge of those individuals who install, maintain, inspect and/or supervise the repairs, tests, diagnostics, and other work on or near electrically energized equipment.

**Scheduled Classes****Austin, TX**

Feb 17, 2015

**Austin, TX**Jun 23, 2015  
Sep 2, 2105**Houston, TX**

Oct 1, 2015

**Work Zone Safety: Temporary Traffic Control I WKZ 100****4 Hours****CEUs: 0.4****\$125 per person****\$2400 (contract class, up to 25 people)**

This course is designed to serve as an introduction/overview on established traffic control guidelines for maintenance activities and other short-term operations. It is intended for field personnel responsible for the planning, selection, application, and operation of short-term work zones. It addresses the needs of a broad audience: maintenance crews, utility crews, construction personnel, state and local agency staff, and any individual who will work in or near a highway right-of-way. The course covers elements of temporary traffic control found within chapter 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) such as components of a work zone and their respective requirements, proper application of devices, worker safety, and the use of typical applications most often utilized in short term operations.

**Scheduled Classes****Austin, TX**

Feb 19, 2015

**Austin, TX**Jun 9, 2015  
Sep 24, 2105**Houston, TX**

Oct 6, 2015

**COMING SOON – CHECK OUR WEBSITE FOR MORE INFORMATION.****Tree Trimming Safety Awareness I LND 201****1 day (8 hours)****CEUs: 0.8****\$150 per person****Call for contract pricing**

This course is intended to provide participants with the ability to identify, evaluate, and prevent hazards associated with tree trimming operations, and the use of chippers and chainsaws. Course topics include: important safety practices to be followed; OSHA and ANSI regulations; job briefings and unit set-ups; and the use of appropriate personal protective equipment. Students participate in hands-on exercises to properly identify equipment components, conduct a pre-operational inspection, and perform routine maintenance.



## HEAVY EQUIPMENT OPERATOR TRAINING

The University of Texas at Arlington offers heavy equipment operator training for earthmoving, hoisting, and material handling equipment. The training programs cover: safety, preventive maintenance, inspections, applicable OSHA and safe, correct operating techniques.

The training is conducted at the client's site using the client's equipment.

Our heavy equipment operator and safety training program is designed to teach students the effective and efficient way to operate heavy equipment. Instruction is delivered through a blended approach which includes classroom instruction and in-the-seat operation of the equipment. These courses are designed to give a person the fundamental skills and knowledge needed to operate the following types of heavy equipment.

**Contract Classes Available. Call for pricing.**

**Jack Pettyjohn**

**832-922-5674**

**[jcpetty@uta.edu](mailto:jcpetty@uta.edu)**

### **Aerial/Scissor Lift I 1 day (8 Hours)**

This course is designed to provide entry level skills for the operators of aerial/scissor lifts. The students will learn the proper selection and use of fall protection equipment to be used during the operation of aerial or scissor lifts. They will also learn the safe and correct methods of inspecting, driving, setting up the machine, and elevating the platform or basket to the work station. (10 students max: 10 students per machine)

### **Asphalt Distributor I 3 days (24 Hours)**

This course is designed to provide entry level skills for the operators of asphalt distributor trucks. Students will learn safety, pre-operational inspection, and preventive maintenance; safety systems; propane tank and burner specifics; air system maintenance; spray bar and spray nozzle maintenance; correct procedures for filling and draining tanks. The training will also cover asphalt and emulsion specifications; calculating application rates and application procedures. (4-6 students max: 4-6 students per machine)

### **Backhoe/Front End Loader I 4 days (32 Hours)**

This course is designed to provide entry level skills for the operators of backhoes. Students will learn: safety, pre-operational inspections, and preventive maintenance; driving operations; brake steering; loading from and dressing stockpiles; basic trenching, excavating, backfilling, and grading; digging around utilities; hand signaling; trench safety; loading/unloading the machine from a trailer. (8 students max: 2 students per machine)

### **Bucket Truck I 1 day (8 Hours)**

This course is designed to provide entry level skills for the operators of bucket trucks. The students will learn the proper selection and use of fall protection equipment to be used during the operation of bucket trucks during routine operations such as sign and signal maintenance. They will also learn safe and correct methods of inspection, set up, and operation of the bucket truck. Emergency rescue procedures are also covered in the final field exercise. (8 students max: 4 students per machine)

### **Bucket Truck/Digger Derrick I 3 days (24 Hours)**

This course is designed to provide entry level skills for the operators of bucket trucks. The students will learn the proper selection and use of fall protection equipment to be used during the operation of bucket trucks during routine operations such as sign and signal maintenance. They will also learn safe and correct methods of inspection, set up, and operation of the bucket truck. Emergency rescue procedures are also covered in the final field exercise. (8 students max: 4 students per machine)



### **Compactor | 1 day (8 Hours)**

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This course is designed to provide entry level skills for the operators of compactors. Students will learn: safety, pre-operational inspections, and preventive maintenance; driving operations; compaction, and grading techniques. (4 students max: 2 students per machine)

### **Dozer | 4 days (32 Hours)**

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This course is designed to provide entry level skills for the operators of dozers. Students will learn safety, pre-operational inspection, and preventive maintenance to include track adjustments. They will also learn slot dozing and excavating, ditch cleanouts, building and dressing a stockpile, backfilling and grading excavations, leveling and grading a site, and loading/unloading from a trailer. (4 students max: 2 students per machine)

### **Excavator (Articulating Boom) | 4 days (32 Hours)**

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This course is designed to provide entry level skills for the operators of articulating boom excavators. Students will learn: safety, pre-operational inspections, and preventive maintenance; track adjustments (if track mounted); driving, steering, and counter-steering operations; hand signaling; rigging and lifting with the bucket; excavating and loading from a stockpile; loading dump trucks; excavating, backfilling, and grading; loading/unloading from a trailer. (4 students max: 2 students per machine)

### **Excavator (Telescoping Boom/Gradall) | 4 days (32 Hours)**

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This course is designed to provide entry level skills for the operators of truck mounted telescoping boom excavators. Students will learn: safety, pre-operational inspections, and preventive maintenance; driving and steering operations from both the driver and operator cab (if truck mounted); use of stabilizers and dozer blade (if so equipped); counter steering (if track mounted); hand signaling; rigging and lifting with the bucket; excavating and loading from a stockpile; excavating and cleaning out ditches; vee-ditching, backfilling, and grading. (This course can be modified to accommodate track mounted or rubber tired self-propelled excavators.) (4 students max: 2 students per machine)

### **Mini-Excavator | 2 days (16 Hours)**

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This course is designed to provide entry level skills for the operators of mini-excavators. Students will learn: safety, pre-operational inspections, and preventive maintenance; driving, steering and counter steering operations; hand signaling; rigging and lifting with the bucket; excavating, backfilling, and grading; loading/unloading from a trailer. (8 students max: 2 students per machine)

### **Forklift | 1 day (8 Hours)**

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This course is designed to meet the training requirements of the OSHA Standard for the operators of powered industrial trucks. The program consists of both classroom and hands on training. The classroom portion will cover: the design and features of forklift trucks; safety considerations; the difference between forklifts and automobiles in terms of steering and handling; stability factors; load capacities; pre-operational inspections; proper use of forks; loading, driving, stacking, and tiering loads; safe handling of LPG tanks and battery charging procedures. The hands on training will cover: pre-operational inspections; forklift controls; handling loads; steering, and carrying loads in forward and reverse; negotiating ramps; loading and unloading from racks and shelves; and the use of jib attachments. (15 students max: 15 students per machine)

### **Rough Terrain Forklift/Reach Lift | 1 day (8 Hours)**

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This course is designed to meet the training requirements of the OSHA Standard for the operators of rough terrain forklifts (both straight mast and telescoping boom reach lifts). The program consists of both classroom and hands on training. The classroom portion will cover: applicable OSHA standards; the differences between hard surface and rough terrain lifts; safety considerations; steering and control systems; stability factors; load capacities; forklift controls and proper use of forks; loading, driving, picking and setting loads; correct telescoping procedures. The hands on training will cover: pre-operational inspections; forklift controls; handling loads; steering; carrying loads in forward and reverse; traversing rough terrain; loading and unloading from trailers/docks; and picking and setting loads. (15 students max: 15 students per machine)



### **Motor Grader - Basic | 4 days (32 Hours)**

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This course is designed to provide entry level skills for the operators of motor graders. Students will learn safety, pre-operational inspection, and preventive maintenance. They will also learn forward and reverse driving technique; proper positioning of the wheels and blade for flat blading. (4 students max: 2 students per machine)

### **Motor Grader - Intermediate | 4 days (32 Hours)**

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The students will learn how to set up the machine for vee-ditching including setting the front wheel pitch, orienting the circle, and positioning the blade and blade pitch, and articulating the frame. (4 students max: 2 students per machine)

### **Motor Grader - Advanced | 4 days (32 Hours)**

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The students will learn to deploy and use the scarifiers to break up and loosen the surface material, cut a flat bottom ditch, cut a ditch back slope, and pull road shoulder to grade. (4 students max: 2 students per machine)

### **Roller | 1 day (8 Hours)**

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This course is designed to provide entry level skills for the operators of rollers. Students will learn: safety, pre-operational inspection, and preventive maintenance; correct and safe equipment operations such as correct use of the sprinkler system, driving operations, negotiating turns in forward and reverse; rolling a pattern, correct use of vibrators, and loading/unloading from a trailer. (6 students max: 6 students per machine)

### **Roller Broom | 1 day (8 Hours)**

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This course covers the safe operation of rotary brooms. Course topics include: pre-operational inspection; broom adjustments; personal protective equipment; sweeping procedures and techniques; safe driving practices on roadways. (6 students max: 3 students per machine)

### **Skid Steer | 1 day (8 Hours)**

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This course is designed to provide entry level skills for the operators of skid steers. Students will learn: safety, pre-operational inspection, and preventive maintenance. They will also learn the correct and safe methods to load from and dress a stockpile, excavate, backfill and grade a surface with the bucket, negotiate slopes, loaded and unloaded, and loading/unloading from a trailer. (8 students max: 4 students per machine)

**4-hour Addition for Attachments:** If desired, a 4-hour addition to the program including instruction on the safe, correct operation of the use of skid steer attachments, such as forks, brooms, mowers, flails, augers, and planers is available. (8 students max: 4 students per machine)

### **Sweeper | 3 days (24 Hours)**

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This course is designed to provide entry level skills for the operators of sweepers. Students will learn: safety, pre-operational inspection, and preventive maintenance; correct and safe equipment operations such as how to make adjustments to the brooms and drives, orient the sweeper and its attachments, sweep a roadway, and dump the collector. (4 students max: 2 students per machine plus a crash truck or pilot vehicle)

### **Track Loader | 2 days (16 Hours)**

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This course is designed to provide entry level skills for the operators of track loaders. Students will learn: safety, pre-operational inspection, and preventive maintenance; track inspection and adjustment; driving and steering operations; hand signaling; loading from and dressing a stockpile; excavating, backfilling, and grading; loading/unloading from a trailer. (4 students max: 2 students per machine)



## Wheel Loader | 2 days (16 Hours)

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This course is designed to provide entry level skills for the operators of wheel loaders. Students will learn: safety, pre-operational inspections, and preventive maintenance; driving operations; loading from, building, and dressing stockpiles; excavating, backfilling, and grading. (4 students max: 2 students per machine)

## Crane Basics I | 1 day (8 Hours)

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This is a classroom only course in which students will learn: safety, OSHA regulations, pre-operational inspections and preventive maintenance. They will also learn correct and safe equipment operations such as hand signaling, load charts, crane set up procedures, rigging basics, and safe hoisting practices. (30 students maximum; 10 students minimum)

## Crane I | 4 days (32 Hours)

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This course is designed to provide entry level skills for the operators of hydraulic cranes. Students will learn: safety, OSHA regulations, pre-operational inspections, and preventive maintenance; driving and steering operations (if self-propelled); hand signaling; load charts; rigging; crane set up procedures; and hoisting practices. Students will demonstrate their ability to safely hoist and maneuver loads. (6 students max: 3 students per machine)

## Crane Operator Qualification I | 2 days (16 Hours)

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This course combines the Crane Basics class with a field testing exercise to verify the skills of crane operators. It is especially beneficial to experienced operators who may not have had formal classroom instruction or ever had to pass an operational examination. After completing the course, students will be required to set up a crane; demonstrate the ability to respond to hand signals; and hoist and maneuver a load through a course to demonstrate their ability to control a load. (8 students max: 8 students per machine)

## Rigging Basics I | 1 day (8 Hours)

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This is a classroom only course in which students will learn: safety, OSHA regulations, pre-operational inspections, and preventive maintenance. They will also learn correct and safe equipment operations such as hand signaling, load charts, rigging equipment, rigging inspections, rigging capacities, sling load angle calculations, understanding rigging charts, and performing rigging calculations. (30 students maximum; 10 students minimum)

## Qualified Rigger/Signal Person | 1.5 days (12 Hours)

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This course combines the Rigging Basics class with a field exercise in which students are required to demonstrate their knowledge of hand signaling by directing a crane operator to hoist and maneuver a load. (20 students maximum; field setup with one crane and operator needed on second day)

## Understanding Load Charts | 1 day (8 Hours)

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This classroom only course teaches students to read and interpret a variety of crane load charts. (20 students max)





# Register Today! 866-906-9190

Use the open enrollment course list below to configure and track your schedule.

COURSE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
<b>FLG 522 Flagger: Train The Trainer (Page 7)</b>											
Arlington, TX	13			8			21			5	
Austin, TX		11			13			19		28	
Houston, TX			24			16			16		4
<b>FLG 521 Flagger Trainer (Page 7)</b>											
Arlington, TX	14			9			22			6	
Austin, TX		12			14			20		29	
Houston, TX			25			17			17		5
<b>EXC 201 Excavation Safety (Page 8)</b>											
Arlington, TX	29										
Austin, TX		24									
Houston, TX			31								
<b>CS 202 Confined Space Safety (Page 8)</b>											
Arlington, TX				23							
Austin, TX					21						
Houston, TX						3					
<b>ELC 203 Electrical Safety (Page 8)</b>											
Arlington, TX							8				
Austin, TX								13			
Houston, TX									22		
<b>FP 204 Fall Safety (Page 9)</b>											
Arlington, TX										27	
Austin, TX										7	
Houston, TX											3
<b>ELC 450 Electric Arc Flash and NFPA 70-E Awareness (Page 9)</b>											
Arlington, TX						23			2		
Austin, TX		17									
Houston, TX										1	
<b>WKZ Work Zone Safety: Temporary Traffic Control (Page 9)</b>											
Arlington, TX						9			24		
Austin, TX		19									
Houston, TX										6	

To view a full course listing visit [uta.edu/ded](http://uta.edu/ded).  
 Contact us today for customized training at 866-906-9190.

## TRANSPORTATION TRAINING SERVICES & PUBLIC WORKS INSTITUTE COURSE POLICIES

**Course Payment:** Full payment of the course fee is expected at time of registration and can be made online or over the phone. Acceptable methods of payment are: cash, checks, traveler's checks, money orders, and the following credit cards: MasterCard, Visa, Discover, and American Express. Purchase orders from organizations are accepted to cover course fees.

**Cancellations:** UT Arlington reserves the right to change or cancel classes at any time. Notification of changes and cancellations will be made by email and/or telephone. You are required to provide current contact information at the time of registration to ensure notification. The decision to cancel a class due to insufficient enrollment will be made approximately two business days prior to the class start date. In the unfortunate event a course for which you have registered is cancelled, you

may transfer to another course or receive a refund in accordance with the UT Arlington, Division for Enterprise Development Refund Policy, <https://web-ded.uta.edu/wconnect/ace/policies.asp>.

**Textbooks/Manuals:** All course materials will be provided on the first day of class and are included in the price of the course.

**Accommodations:** The Division for Enterprise Development is dedicated to providing equal educational opportunities to all qualified course participants. Contact [cedquestions@uta.edu](mailto:cedquestions@uta.edu) or call 866-906-9190 for information regarding special accommodations.

**MavAlerts:** Sign up for your Alert Network account to receive alerts and emergency notifications around the UT Arlington area: [mavalert.uta.edu/register.php](http://mavalert.uta.edu/register.php)

## CURRICULUM DEVELOPMENT

Don't see the course you need?

We **design, develop** and **deliver:** Our instructional designers, subject matter experts, and highly qualified instructors are ready to assist you with the design and delivery of specialized curriculum that is accurate and educationally sound.

Whether you need a customized training course or an entire curriculum, we can help. Our services include:

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- Curriculum design and content development
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- Instructor Sourcing

Call Today!

To schedule a consultation or to learn more about how UT Arlington can help you meet your training needs, call us at 866-906-9190.





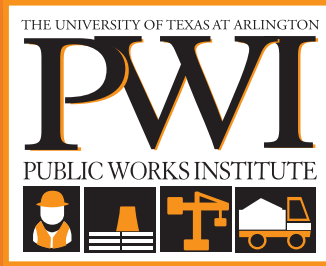
UNIVERSITY OF  
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# REGISTER NOW!

Early registration is strongly advised due to the space limitation

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## ON-SITE TRAINING

If your organization would like to train a group of people, you can save time and money by contracting us to bring our best training and services to your site. We can customize any of the courses we teach to focus the content on your specific industry or facility.

