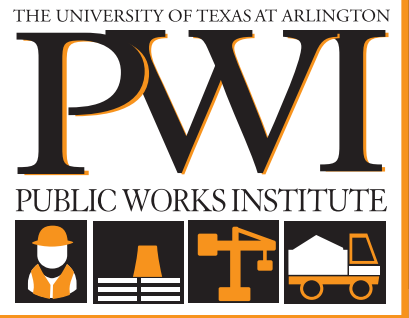


# PUBLIC WORKS TRAINING CATALOG



REGISTER TODAY | 866.906.9190 | UTA.EDU/DED/PWI

**TRAFFIC CONTROL  
SUPERVISOR  
REFRESHER COURSE  
NOW AVAILABLE!**  
Get Re-Certified  
in One Day - Page 3

**WORK ZONE TRAFFIC  
CONTROL/QUALIFIED  
FLAGGER  
REFRESHER COURSE  
NOW AVAILABLE!**  
Page 2

**ASPHALT  
OPERATIONS  
TRAINING**  
Page 9

**OPERATOR  
QUALIFICATION  
ASSESSMENTS**  
Page 12




## FLG 521

### Qualified Flagger Training

\$200 | 4 Hours

\$2,400 Contract Class (up to 25 participants)\*

This course is intended for individuals who will be performing or engaging in flagging duties on construction/maintenance projects. The course will provide a better understanding of the important 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.

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course. **Also available in Spanish.** 

## FLG 522

### Qualified Flagger Training and Trainer Course

\$395 | 8 Hours

\$3,300 Contract Class (up to 25 participants)\*

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, participants will be qualified to train flaggers for a period of 3 years and will also receive:

- A fully scripted Instructor's Manual
- CD-ROM with PowerPoint presentation
- MUTCD Parts, 1, 5, and 6
- Access to Outreach Training Portal
- Qualified Flagger Reference Guide
- Temporary Traffic Control Tri-fold

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course.

## WKZ 100

### Work Zone Safety: Temporary Traffic Control

\$125 | 4 Hours

\$2,400 Contract Class (up to 25 participants)\*

This course is designed to serve as an introduction/overview of 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.

## WKZ 401

### Work Zone Construction Site Safety

#### OSHA 10 Hour Certification

\$4000 | 12 Hours

Contract Class (up to 20 participants)\*

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 participants 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: Fall Protection, Electrical, Struck By, Caught in/Between - Heavy Equipment, Health Hazards in Construction, Material Handling, Hand and Power Tools, Excavations, Stairways and Ladders, Communication, and more. An OSHA 10-Hour wallet card and a UTA's Public Works Institute certificate are issued upon successful completion of this training.

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course.



## WKZ 520

### Work Zone Traffic Control/Qualified Flagger

\$4000 | 16 Hours

Contract Class (up to 20 participants)\*

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. Participants 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.

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course.

## INT 515

### Installation and Maintenance of Signs and Pavement Markings

\$4,800 | 16 Hours

Contract Class (up to 20 participants)\*

This course is designed to help participants understand accepted practices in the application, installation, maintenance, and operation of signs and pavement markings, typically used on public roadways.

**AT ANY GIVEN TIME,  
TEXAS HAS OVER 3,000  
ACTIVE WORK ZONES!**





## WKZ 421

### Traffic Control Supervisor

\$450 | 16 Hours

**\$4,000 Contract Class (up to 20 participants)\***

This 16 hr. course is geared to those who supervise traffic control technicians and other personnel in roadway work zones and is intended to familiarize supervisors with procedures used to make decisions regarding work zone traffic control. Course meets TxDOT Special Provision to Item 7 standard for Contractor Responsible Person and Alternate. Course content includes:

Designing a series of traffic control plans that meet TMUTCD requirements

- Treatment procedures for pavement edge drop-offs
- Procedures for conducting periodic inspections of the traffic control setup
- Considerations for day and night time work zones
- Importance of proper record keeping
- A review of basic communication strategies for improved worker performance

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course.

## WKZ 422

### Traffic Control Supervisor Refresher Course

\$375 | 8 Hours

**\$3,450 Contract Class (up to 20 participants)\***

TxDOT approved refresher class for those who have taken the full 16-hour course. Prerequisite documents from the previous 3 years required.

NOTE: Documents from other TxDOT approved Traffic Control trainings can be accepted!

Please visit [uta.edu/ded/pwi](http://uta.edu/ded/pwi) to find out more about the open enrollment dates and locations for this course.

**TXDOT IS ON TRACK TO SPEND 7 BILLION DOLLARS PER YEAR ON INFRASTRUCTURE THROUGH 2027.**

DON'T MISS



# STORM DRAINAGE COURSES

## INT 610

### Storm Drainage Pipe Installation

\$3,300 | 8 Hours

**Contract Class (up to 20 participants)\***

This course is designed to provide road and bridge crews with best practices for properly installing storm drainage pipe and precast box culverts. It is delivered through a blended approach of classroom instruction and hands-on training installing a culvert in the field.

## INT 611

### Storm Drainage Pipe and Precast Box Culvert Installation Best Practices

\$3,300 | 8 Hours

**Contract Class (up to 20 participants)\***

This course is designed to provide road and bridge crews with best practices for properly installing storm drainage pipe/culverts. It also focuses on innovative small bridge replacement utilizing precast box culverts. Classroom only.

\*Contract price does not reflect reimbursement of instructor travel

## EXC 201

### Excavation Safety

**\$195 | 8 Hours**

**\$2,400 Contract Class (up to 20 participants)\***

This course is intended to provide those who work in or around excavations or 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 a certificate of completion from the UTA's Public Works Institute.

## CDL 800

### Texas Commercial Driver's License Test Prep Class

**\$395 | 16 Hours**

**\$3,600 Contract Class (up to 20 participants)\***

This course is designed to help participants seeking to obtain a Texas Commercial Driver's License (Class B). The overall goal is to improve a CDL candidate's chance of successfully passing the CDL written examination and walk-around, pre-trip inspection. The first twelve hours of the course is spent reviewing CDL general knowledge material to prepare participants for the Texas Department of Public Safety's written exam. A practice exam will be administered to identify and emphasize areas where continued independent study is recommended. Four hours of the course involve a field review and practice of the walk-around pre-trip vehicle inspection. This too, is a requirement for the state exam. Please note, this course does not involve actual driving.

## FP 204

### Fall Safety

**\$195 | 8 Hours**

**\$2,400 Contract Class (up to 20 participants)\***

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 a certificate of completion from the UTA's Public Works Institute.

## CS 202

### Confined Space Safety

**\$195 | 8 Hours**

**\$2,400 Contract Class (up to 20 participants)\***

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; duties and responsibilities of entrants, attendants, and entry-supervisors; rescue considerations; applicable regulatory requirements; and components of an OSHA-compliant confined space program. Upon successful course completion participants will receive a certificate of completion from the UTA's Public Works Institute.

## LND 201

### Tree Trimming Safety Awareness

**\$150 | 8 Hours**

**\$2,400 Contract Class (up to 20 participants)\***

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 briefing and unit set-ups; and the use of appropriate personal protective equipment. Participants participate in hands-on exercises to properly identify equipment components, conduct a pre-operational inspection, and perform routine maintenance.

## TxDOT ENVIRONMENTAL ONLINE TRAINING

These online courses are relevant to contractors performing work under the TxDOT Environmental Management System. All courses listed below are \$75 each. Register at [dedtraining.com](http://dedtraining.com).

404 Compliance During Construction  
 Archaeological Predecessors  
 Archaeological Triggers  
 Community Impact Predecessors  
 Community Impact Triggers  
 Construction General Permit (TPDES)  
 Construction Stage Gate Checklist  
 Environmental Reports Impact  
 Environmental Management Systems  
 Environmental Permits, Issues, and Commitments (EPIC) Sheets  
 Environmental Report Module: Archeology  
 Field Environmental Emergency Compliance  
 Hazardous Materials Management  
 Hazardous Materials Management: Completing the ISA Report Scoping Process  
 Hazardous Materials Management: Conducting Field Interviews  
 Hazardous Materials Management: Defining Site Assessments  
 Hazardous Materials Management: Introduction to the Initial Site

Assessment (ISA) Process  
 Hazardous Materials Management: Land Use Concerns  
 Hazardous Materials Management: Preparing NEPA Documentation  
 Hazardous Materials Management: Preparing Recommendations and Action Plans  
 Hazardous Materials Management: Using Regulatory Databases  
 Hazardous Materials Triggers  
 Indirect and Cumulative Impact  
 Introduction to Biological Resources  
 Introduction to Water Resources  
 NEPA Documentation Community Impacts  
 NEPA Overview: Determining Transportation Needs  
 NEPA Overview: Evaluating Transportation Needs Sub-regional and Local  
 NEPA Overview: Launching a Project  
 NEPA Overview: Refining Alternatives  
 Noise Predecessors  
 Noise Triggers  
 Revegetation During Construction  
 Storm Water Environmental Requirements  
 Storm Water Inspection Checklists  
 Traffic Noise: Environmental Reports  
 Traffic Noise: NEPA Documentation  
 Using the APD Stage Gate Checklist  
 Using the PSE Stage Gate Checklist

## MGT 400

### Managing Conflict in the Workplace

8 Hours

\$3,300 Contract Class (up to 20 participants)

Wherever two or more people come together, there is bound to be conflict. This course will give participants a seven-step conflict resolution process that they can use and modify to resolve conflict disputes of any size. Participants will also be provided a set of skills in solution building and finding common ground.

Upon completion of this course, participant will be able to: 1. Identify common conflict styles and discuss when they are appropriate. 2. Practice a set of helpful conflict management steps. 3. Increase communication that escalates and de-escalates conflict. 4. Practice supportive communication through role playing.

## MGT 404

### Basic Supervision and Management Skills

16 Hours

\$4,000 Contract Class (up to 20 participants)

This course is an introduction for new or aspiring persons who wish to become supervisors with the basic "survival skills" of being an effective and highly functional supervisor. The course provides practical tools and proven techniques that work. It also serves as a good refresher for experienced supervisors. Topics included in the class include a 4-part progressive interactive exercise on supervision skills; transitioning from an employee to a supervisor; the difference and similarities of managing versus supervising; the 6 basic steps of supervisory skills; 10 fundamental skills to being an effective leader; how to develop yourself and your employees; how to identify your strengths and weaknesses and how to improve; how to coach employees; how to handle terminations; how to conduct effective evaluations; how to handle violence in the workplace; overview of the many regulations pertaining to workplace issues; and how to avoid getting sued as an employer.

# TEXAS IS ONE OF THE FASTEST GROWING STATES IN THE UNION.



## TxDOT ELECTRICAL ONLINE TRAINING

Online transportation related electrical courses allow participants the opportunity to get the training they need. All courses listed below are \$125 each. Register at [dedtraining.com](http://dedtraining.com).

- The Grounding Electrode System
- Troubleshooting Common Problems in Illumination Systems
- Splicing Options Acceptable to TxDOT
- Installation Requirements for Temporary Wiring
- Grounding & Bonding Requirements
- Ground Box Installations
- Contractors' Equipment Testing Requirements
- Conduit Installation Requirements
- Common Mistakes on TxDOT Electrical Installations
- Using Material Producers List
- Conductor Installation Requirements
- Installation Requirements for Traffic Signal Controller Cabinets
- Underpass Illumination
- Installation Requirements for Breakaway Pole Bases
- Types of Electrical Service Supports
- Concrete Barrier Illumination Installation Requirements
- High Mast Pole Installation Requirements



REGISTER FOR ONLINE COURSES AT  
**[dedtraining.com](http://dedtraining.com)**

- High Mast Pole Lighting Ring with Obstruction Lighting
- Pedestrian Poles and Roadside Flashing Beacon Installation Requirements
- Illumination and Signal Pole Foundations
- TxDOT Electrical Services, Types A & C
- TxDOT Electrical Services, Types D & T
- Maintaining High Mast Pole's Winch and Verifying Winch Brake Settings



## ELC 203

### Electrical Safety

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\$195 | 8 Hours

**\$2,400 Contract Class (up to 25 participants)\***

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 certificates of completion from the UTAs Public Works Institute.

## ELC 450

### Texas Roadway Illumination & Electrical Installation

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\$300 | 24 Hours

**\$6,750 Contract Class (up to 12 participants)\***

This course is designed to cover all aspects for the proper field installation of lighting and other electrical equipment along Texas roadways. Class materials will include information on TxDOT specifications, construction plans, approved materials, and electrical best practices from the National Electrical Code. A certification test is administered at the end of the class. This course is required for contractor's wishing to bid on state projects. Each participant will receive a copy of the current NFPA 70: National Electrical Code in addition to other teaching materials.

## ELC 452

### Electric Arc Flash and NFPA 70E Awareness

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\$210 | 8 Hours

**\$5,000 Contract Class (up to 25 participants)\***

This course is designed to introduce the participant 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.

## UTL 101

### Subsurface Utility Locating & Marking Workshop

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8 Hours

**\$4,500 Contract Class (up to 20 participants)**

This training addresses underground utility line locating and marking state laws and standards. The course provides a balanced mixture of classroom training combined with hands-on field instruction performed outdoors. Participants gain an A-Z understanding of the fundamentals of line locating. Special emphasis is placed on mastery of the electronic detection equipment and troubleshooting techniques to solve utility locating puzzles. Participants will also gain an overall understanding of utility and pipeline construction and design. This workshop is designed for experienced employees whose job may require them to perform line locating activities as part of their assigned duties.

## UTL 102

### Advanced Utility Locator Training

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16 Hours

**\$6,800 Contract Class (up to 20 participants)**

Participants will enjoy plenty of hands on training time spent outdoors utilizing an assorted array of locating devices and methods. Participants will learn methods for creating and deploying a site locating plan along with advanced troubleshooting techniques utilizing both equipment and deductive reasoning skills to identify, overcome and even prevent certain types of line locating errors. Recommended for participants who have at least 3 years of experience in utility line locating.

## UTL 201

### Pipeline Locating, Marking & Damage Prevention Training

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8 Hours

**\$4,500 Contract Class (up to 20 participants)**

This training is designed for pipeline system employees responsible for design, construction, and maintenance of the pipeline system. This is a customized training event designed to address pipeline specific issues, locating challenges and best practices for damage prevention. Recommended for participants who are experienced pipeline employees.

## UTL 202

### Pipeline Basic Locator Training

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16 Hours

**\$6,800 Contract Class (up to 20 participants)**

This basic training is designed for pipeline system employees responsible for design, construction, and maintenance of the pipeline system. The course will address pipeline specific issues and regulatory requirements, locating challenges as well as best practices for damage prevention. Accurate locating techniques and safe excavation practices are the fixtures of this training. Recommended for pipeline employees and contractors with little or no experience in the pipeline industry.





## CONTACT US

pwi@uta.edu  
866.906.9190  
uta.edu/ded/firesafety

### LS 101

#### Life Safety Code Concept

\$695 | 32 Hours

\$10,000 Contract Class (up to 20 participants)\*

This course provides training and application of the concepts of NFPA 101 Life Safety Code requirements that protect people, property, and equipment. The course covers a host of topics related to reducing the spread of fire in buildings and providing a means of safe egress from buildings. Case studies and exercises will be used to convey the concepts supporting the code and its relationship to OSHA and Building Code requirements. Participants will receive a copy of the NFPA 101 Life Safety Code.

### FS 1000

#### Building Construction for the Fire Service

\$595 | 24 Hours

\$7,000 Contract Class (up to 20 participants)

Participants learn the components of building construction as they relate to firefighter safety and life safety, identify various classifications of building construction, and explain the theoretical concepts of how fire impacts the major types of building construction. They will gain knowledge on the elements of construction and the design of structures that are key factors when inspecting buildings, pre-planning fire operations, and operating during emergencies. Upon course completion, participants will be better able to identify the indicators of potential structural failures as they relate to firefighter safety and how to respond to fires in various types of construction.

### FS 1500

#### Fire Safety and Health Management

\$695 | 40 Hours

\$10,000 Contract Class (up to 20 participants)

This course outlines the Fire and Emergency Services Occupational Safety and Health Management System as described in NFPA 1500. It is intended to provide a method to assess a fire department's occupational safety and health management program. The course provides participants with the tools necessary to develop the components of the program, including facility inspection, equipment inspection, and management system evaluation.

### FS 711

#### Blueprint Reading for the Fire Service

\$395 | 16 Hours

\$5,000 Contract Class (up to 20 participants)

This course provides basic instruction on blueprint reading so that participants can better understand construction blueprints and various trade schematics used in building construction. Participants learn to identify and interpret the different symbols and abbreviations related to fire, life safety, plumbing, heating and ventilation, and electrical construction drawings, schematics, and wiring diagrams. Participants will also learn fire safety and building code requirements and be able to identify hazards during the various project design phases. The training will enable participants to provide construction recommendations that will improve overall safety of the facility and the construction process.

### FS 202

#### Applied Fire/Safety Protection and Emergency Analysis

\$595 | 20 Hours

\$7,000 Contract Class (up to 20 participants)

In this interactive course, participants will develop a comprehensive working knowledge of fire protection and prevention as it pertains to life safety within the workplace. Topics include historical background on codes and standards, legal and ethical authority, fire safety, building construction, building occupancy classifications, means of egress, features of fire protection, tent fire safety code analysis, building rehabilitation, field inspections, and detailed information on the Incident Command System.





## HEO 110

### Equipment Preventative Maintenance - 8 hour

\$1,950/class plus travel reimbursement | 8 Hours  
15 participants max

This course is designed for persons not familiar with; or who wish to increase their knowledge of routine preventive maintenance of fleet and heavy equipment. Practical hands-on inspections on 3 pieces of equipment will take place as a part of the class using standardized PM Inspection Checklists. The class also covers how to identify PM Issues and take corrective actions; how to use a consistent inspection process; why pre and post operation inspections are critical; how to access and utilize OEM checklists and manuals. This class is very interactive with many hands-on exercises in the equipment yard. Checklists covering all types of trucks and equipment are provided as a part of the course.

## HEO 111

### Equipment Preventative Maintenance - 16 hour

\$3,450/class plus travel reimbursement | 16 Hours  
15 participants max

The first 8 hours of this course are identical to the HEO 110 eight-hour version, and also include the additional objectives: a total of six pieces of equipment will be inspected over 2 days in the equipment yard; coverage of pre and post inspections and PM needed for weather/fire/flooding events; what is a Fleet Telematics system and identify features that would help execute a strong PM program; cover what is Fleet Management Information System (FMIS) and key components of such a system; describe best practices to internally develop and use a FIMS in absence of a hosted system. Approximately half of this class is spent in the yard performing inspections.

# THE TEXAS WORKFORCE COMMISSION ESTIMATED A 25% GROWTH IN THE NEED FOR EQUIPMENT OPERATORS FROM 2012 TO 2022.







Our heavy equipment operator and safety training is delivered through a blended approach of classroom instruction and in-the-seat operation of the equipment. Training is conducted at the client's site using the client's equipment. Find out more by contacting us at 866.906.9190 or at [pwi@uta.edu](mailto:pwi@uta.edu)



## HEO 127

### Aerial/Scissor Lift

**\$195/participant plus travel reimbursement | 8 Hours**  
**10 participant minimum; 15 participant maximum:**  
**10 participants per machine**

This course is designed to provide entry level skills for the operators of aerial/scissor lifts. The participants will learn the proper selection and use of fall protection equipment to be worn 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.

## HEO 120

### Asphalt Distributor

**\$4,000/class plus travel reimbursement | 32 Hours**  
**6 participants max: 6 participants per machine**

This course is designed to provide entry level skills for the operators of asphalt distributor trucks. Participants 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.

## HEO 123

### Asphalt Operations Training

**\$5,250/class plus travel reimbursement | 32 Hours**  
**8 participants max**

An intensive four-day course devoted to the crew training for asphalt operations. Participants will learn the duties and responsibilities of the Asphalt Paver Operator, Roller Operator, Screed Operator, Raker, and Truck Guide. Participants will learn the proper steps and techniques used by highly successful paving crews. By the end of the course, they must demonstrate proper techniques for pre-trip inspections, preventative maintenance, safety procedures, load and tie down, project layout, production material ordering. Course also covers asphalt types, repair, tackcoat, surface analysis, and includes team and individual assessments.

## HEO 175

### Asphalt Profiler

**\$4,000/class plus travel reimbursement | 32 Hours**  
**6 participants max: 6 participants per machine**

This course is used to provide proper procedures to safely operate and maintain a profiler. Individuals will: perform preventive maintenance and a pre-trip inspection; discuss all safety aspects; demonstrate the proper operational procedure; make and maintain straight scar lines; demonstrate and maintain profile depths; decide range of speed; demonstrate and maintain the proper grade and slope control sensor setting and operation; demonstrate how to properly park the profiler; and demonstrate how to stop the engine and lower the equipment with the engine stopped.

## HEO 155

### Backhoe/Front End Loader

**\$4,000/class plus travel reimbursement | 32 Hours**  
**8 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of backhoes. Participants 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.

## HEO 179

### Bucket Truck

**\$1,250/class plus travel reimbursement | 8 Hours**  
**8 participants max: 4 participants per machine**

This course is designed to provide entry level skills for the operators of bucket trucks. The participants will learn the proper selection and use of fall protection equipment worn 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.

## HEO 180

### Bucket Truck/Digger Derrick

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**\$3,000/class plus travel reimbursement | 24 Hours**  
**6 participants max: 3 participants per machine**

This course is designed to provide entry level skills for the operators of bucket trucks. The participants will learn the proper selection and use of fall protection equipment worn 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.

## HEO 194

### Compactor

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**\$1,250/class plus travel reimbursement | 8 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of compactors. Participants will learn: safety, pre-operational inspections, and preventive maintenance; driving operations; compaction, and grading techniques.

## HEO 145

### Dozer

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of dozers. Participants 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.

## HEO 140

### Excavator (Telescoping Boom/Gradall)

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of truck mounted telescoping boom excavators. Participants 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.)





## HEO 141

### Excavator (Articulating Boom)

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of articulating boom excavators. Participants 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.

## HEO 125

### Forklift

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**\$195/participant plus travel reimbursement | 8 Hours**  
**10 participants minimum; 15 participants maximum**  
**15 participants per machine**

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.

## HEO 126

### Rough Terrain Forklift/Reach Lift

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**\$195/participant plus travel reimbursement | 8 Hours**  
**6 participants minimum**  
**10 participants max: 10 participants per machine**

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.

## HEO 142

### Mini-Excavator

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**\$2,000/class plus travel reimbursement | 16 Hours**  
**8 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of mini-excavators. Participants 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.

## HEO 130

### Motor Grader - Basic

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of motor graders. Participants 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.

## HEO 131

### Motor Grader - Intermediate

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

The participants 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.

## HEO 132

### Motor Grader - Advanced

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**\$4,000/class plus travel reimbursement | 32 Hours**  
**4 participants max: 2 participants per machine**

The participants 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.

## HEO 193

### Roller

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**\$1,250/class plus travel reimbursement | 8 Hours**  
**6 participants max: 6 participants per machine**

This course is designed to provide entry level skills for the operators of rollers. Participants 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.

## HEO 166

### Rotary Broom

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**\$1,250/class plus travel reimbursement | 8 Hours**  
**6 participants max: 3 participants per machine**

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.

## HEO 704

### Seal Coat Operations

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**\$2000/class plus travel reimbursement | 12 Hours**  
**20 participants max**

This classroom course covers the common techniques and treatment types for pavement preservation; including Fog Seal, Crack Sealing, Crack Filling, Chip Seal, and the Ultra-Thin Bonded Wearing techniques. Participants will learn to do inspections and site tests in order to calculate the best options for pavement preservation.



## HEO 192

### Skid Steer

**\$1,250/class plus travel reimbursement | 8 Hours**  
**8 participants max: 4 participants per machine**

This course is designed to provide entry level skills for the operators of skid steers. Participants 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.

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.

4-Hour addition cost: \$600. Total cost for 12-hour version will be \$1,850 plus travel reimbursement.

## HEO 164

### Sweeper

**\$3,000/class plus travel reimbursement | 24 Hours**  
**4 participants max: 2 participants per machine plus a crash truck or pilot vehicle**

This course is designed to provide entry level skills for the operators of sweepers. Participants 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.

## HEO 161

### Track Loader

**\$3,000/class plus travel reimbursement | 24 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of track loaders. Participants 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.

## HEO 160

### Wheel Loader

**\$2,000/class plus travel reimbursement | 16 Hours**  
**4 participants max: 2 participants per machine**

This course is designed to provide entry level skills for the operators of wheel loaders. Participants will learn: safety, pre-operational inspections, and preventive maintenance; driving operations; loading from, building, and dressing stockpiles; excavating, backfilling, and grading.

## HEO 170

### Vehicle Backing Safety

**\$195/participant plus travel reimbursement | 8 Hours**  
**10 participants minimum; 15 participants maximum**

This course is designed to provide best practices in the classroom and hands-on to prevent the most common accidents that occur in most fleet operations. Estimates of backing accidents range from 70 to 80% of all truck fleet accidents and can be avoided.



## RELATED COURSE

### HEO 172

#### Equipment Loading and Tie Down

**\$195/participant plus travel reimbursement | 8 Hours**  
**15 participants maximum; 10 participants minimum**

This course is designed to provide personnel involved in the loading, securing, and transportation of equipment on trailers and roll back trucks with the information they need to safely perform those tasks. The program combines a classroom segment with a field exercise. The classroom training covers: DOT regulations, load distribution, chains and tie down hardware, tie down calculations, safe loading and transporting procedures. In the field segment the participants will inspect a trailer and haul vehicle, as well as load and tie down a piece of construction equipment using the appropriate hardware, chains, and tie down points.

## HEO 204

### Operator Qualification Assessments

The University of Texas at Arlington offers a third party evaluation of an organization's experienced heavy equipment operators. The assessments involve a series of operator qualification tests relevant to a specific piece of equipment to verify and document operator competency. A classroom training session covering applicable OSHA Standards and industry consensus best operational practices is followed by a practical examination where the operator will demonstrate their ability to correctly and safely operate the equipment.

*Please call for pricing.*



## HEO 182

### Crane Basics

**\$195/participant plus travel reimbursement | 8 Hours**  
**30 participants maximum; 10 participants minimum**

This is a classroom only course in which participants 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.

## HEO 183

### Crane

**\$4,000/class plus travel reimbursement | 32 Hours**  
**6 participants max: 3 participants per machine**

This course is designed to provide entry level skills for the operators of hydraulic cranes. Participants 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. Participants will demonstrate their ability to safely hoist and maneuver loads.

## HEO 184

### Crane Operator Qualification

**\$250/participant plus travel reimbursement | 16 Hours**  
**6 participants minimum**

**8 participants max: 8 participants per machine**

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, participants 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.

## POLICIES

### CANCELLATIONS

UT Arlington reserves the right to change or cancel any class. In the event that a class must be changed or cancelled, you will be notified by email and/or phone. You are required to provide a valid email address and phone number to ensure notification. The decision to cancel a class due to insufficient enrollment will be made approximately 1-2 business days prior to the class start date. If a course is cancelled by UT Arlington, participants have the option to transfer to another course, have their funds held in escrow, or receive a refund. No fees will be charged for these transactions if UT Arlington cancels a class.

### PARTICIPANT WITHDRAWAL & TRANSFER POLICY

If a participant withdraws from a class more the 2 full business days before the class, they may transfer to another class at no charge; hold fees in escrow up to one year at no charge; or refund their course fee less a \$35 processing charge for fees less than \$1,000, or 5% of fees over \$1,000. If a participant withdraws from a class at any time from 2 days prior to the class start date or after a class begins, the fees are non-refundable. They may transfer to another class at no charge or hold the fees in escrow at no charge. All participant withdrawal requests must be received via telephone, Monday-Friday during normal business hours.

### GSA PROGRAM

Discount pricing and streamlined purchasing procedures for open enrollment and custom contract training is now available to federal government customers through The University of Texas at Arlington's GSA Schedule 899 Environmental Services contract. Visit our website at [uta.edu/ded](http://uta.edu/ded) for more information or call us at 866.906.9190.

### 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.

### TITLE IX POLICY

The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos). For information regarding Title IX, visit [uta.edu/titleix](http://uta.edu/titleix).

## RELATED COURSES

### HEO 200

#### Rigging Basics

**\$195/participant plus travel reimbursement | 8 Hours**  
**30 participants maximum; 10 participants minimum**

This is a classroom only course in which participants 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.

### HEO 201

#### Qualified Rigger/Signal Person

**\$250/participant plus travel reimbursement | 12 Hours**  
**20 participants maximum; 10 participants minimum; field setup with one crane and operator needed on second day**

This course combines the Rigging Basics class with a field exercise in which participants are required to demonstrate their knowledge of hand signaling by directing a crane operator to hoist and maneuver a load.

### HEO 202

#### Understanding Load Charts

**\$195/participant plus travel reimbursement | 8 Hours**  
**20 participants maximum; 15 participants minimum**

This classroom only course teaches participants to read and interpret a variety of crane load charts.



TxDOT provides grant programs to support the mission of the Texas Traffic Safety Program which is to identify traffic safety problem areas and implement programs to reduce the number and severity of vehicular crashes throughout the state. Through this program [The University of Texas at Arlington is able to offer these exclusive training opportunities at NO cost to local government organizations in Texas.](#)

Contact us at 817-272-9678 or [pwi@uta.edu](mailto:pwi@uta.edu) to find out more.

**CCT 300**  
**Flagger Training**

**Free to local governments | 4 Hours**

This course is intended for individuals who will be performing or engaging in flagging duties on construction/maintenance projects. The course will provide a better understanding of the important 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.

Also available in Spanish.

**CCT 401**  
**Work Zone Construction Site Safety**

**Free to local governments | 12 Hours**

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 participants 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: Fall Protection, Electrical, Struck By, Caught in/Between - Heavy Equipment, Health Hazards in Construction, Material Handling, Hand and Power Tools, Excavations, Stairways and Ladders, Communication, and more. An OSHA 10-Hour wallet card and a UTA's 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.

**CCT 515**  
**Installation and Maintenance of Signs and Pavement Markings**

**Free to local governments | 12 Hours**

This course is designed to help participants 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 of completion and 1.6 CEUs from UTA's Public Works Institute.

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

**Free to local governments | 16 Hours**

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. Participants 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 of completion and 1.6 CEUs from UTA's Public Works Institute. This course is also recognized for 16 hours of training credit for TCEQ Water and Wastewater Operators.



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

**Free to local governments | 8 Hours**

This course provides an update of basic changes included in the Revision 2, 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 participants to sharpen skills by designing temporary traffic control plans to meet hypothetical situations. Upon successful course completion, participants will receive a certificate of completion and 0.8 CEUs from UTA's Public Works Institute.

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

**Free to local governments | 6 Hours**

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.



# TxLTAP

TxLTAP is focused on preserving and enhancing the local road system by delivering quality training and technical assistance to local city/county road agencies in Texas. The training provided through this program will increase the performance of the transportation workers in Texas by ensuring they conduct their duties in a safe, efficient, environmentally sound, and cost effective manner. This program will also allow city/county agencies to maximize benefits from their often limited fiscal and staffing resources.

Through training geared to local government circumstances, customized technical assistance, advice provided at events, and a library of resources, TxLTAP provides relevant and impactful information focused on road and bridge/culvert maintenance, the use of traffic control devices, and other techniques to promote traffic safety.

The majority of the classes listed in this PWI catalog are available at no cost to local government personnel who perform work on roadways in Texas.

**Contact us:**  
**txltap@uta.edu**  
**817.272.9678**

## TECHNICAL ASSISTANCE

One-on-one consultation for specific issues you face with your roadways. Call or email us about an issue, and we will put you in touch with one of our technical specialists. We can provide a phone consultation or visit you on-site.

## EQUIPMENT LENDING LIBRARY

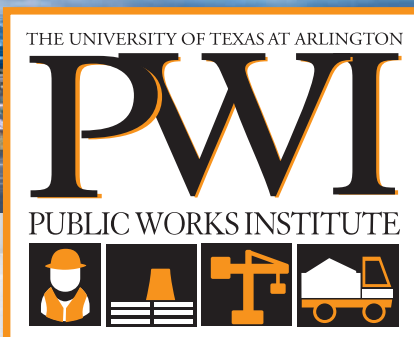
Check-out the following pieces of equipment to borrow:

- Handheld Sign Retroreflector
- Traffic Counters
- Portable Radar Speed Sign
- AMS Dual Mass Dynamic Cone Penetrometer
- Digital Inclinometer
- Handheld Pavement Marking Thickness Gauge

Additional items available in the Library in Training Videos. See a full list in the Library section on our website.

## VISIT [www.txltap.org](http://www.txltap.org) TO VIEW

- Training and Events
- Online Library
- Newsletters
- Videos
- and More!





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