# TEEX GSA

## Professional Services Schedule (PSS)

UPDATED JUNE 6, 2016

TEXAS A&M ENGINEERING TEEX EXTENSION SERVICE

# TRAINING

GSA Schedule
Contract GS-02F-0003P

# GENERAL SERVICES ADMINISTRATION

## Federal Supply Service

## Authorized Federal Supply Schedule Price List

### FSC GROUP 99 – PROFESSIONAL SERVICES SCHEDULE (PSS)

### PART 00CORP SECTION MISCELLANEOUS

On line access to contract ordering information, terms and conditions, up to date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu driven database system. The internet address for GSA Advantage! is: GSAAdvantage.gov.

**Texas A&M Engineering Extension Service (TEEX)**
200 Technology Way
College Station, TX 77845-3424
Phone: 979.458.6800 / Toll-Free 877.833.9638 / Fax 979.458.6838

**Schedule Title**: Professional Services Schedule (PSS)

**Contract number**: GS-02F-0003P

**Contract period**: October 7, 2013 – October 6, 2018

**Contractor's internet address/web site where schedule information can be found (as applicable)**: teex.org/gsa

**Contract administration source (if different from preceding entry):** Terri Sager
979.458.6849
GSA@teex.tamu.edu

**Business size**: Other than Small

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s): SIN 874-4 Instructor-Led Training, Web-Based Training, and Education Courses

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply: Lowest Price Model: 874-4 OSHA Course 7845 Injury and Illness Recordkeeping $197.00

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item: Not applicable

2. Maximum order: $1,000,000.00

3. Minimum order: $100.00

4. Geographic coverage (delivery area): Domestic and Overseas Delivery

5. Point(s) of production: Same as company address.

6. Discount from list prices or statement of net price: Prices shown are NET (discount deducted)



7. Quantity discounts: None.

8. Prompt payment terms: Net 30 days

9a. Government purchase cards are accepted at or below the micro-purchase threshold.

9b. Government purchase cards are accepted above the micro-purchase threshold.

10. Foreign items (list items by country of origin): Not applicable.

11a. Time of delivery. (Contractor insert number of days.): The contractor shall deliver to destination within the number of days after receipt of order (ARO) as negotiated between TEEX and Ordering Agency.

11b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery: As negotiated between TEEX and Ordering Agency.

11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: As negotiated between TEEX and Ordering Agency.

11d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery: As negotiated between TEEX and Ordering Agency.

12. F.O.B. point(s): Destination

13a. Ordering address(es): **Texas A&M Engineering Extension Service (TEEX)**
200 Technology Way
College Station, TX 77845-3424
ATTN: GSA Contract Manager
GSA@teex.tamu.edu

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).

14. Payment address(es): See 13a.

15. Warranty provision: Not applicable

16. Export packing charges, if applicable: Not applicable

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): Standard purchase card terms apply

18. Terms and conditions of rental, maintenance, and repair (if applicable): Not applicable

19. Terms and conditions of installation (if applicable): Not applicable

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): Not applicable

20a. Terms and conditions for any other services (if applicable): Not applicable

21. List of service and distribution points (if applicable): Not applicable

22. List of participating dealers (if applicable): Not applicable

23. Preventive maintenance (if applicable): Not applicable

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): Not applicable

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/: Not applicable

25. Data Universal Number System (DUNS) number: 019126486

26. TEEX is registered in the system of Award Management (SAM).

## TEXAS A&M ENGINEERING EXTENSION SERVICE (TEEX)

### Homeland Security (National Emergency Response & Rescue Training Center - NERRTC)

National Emergency Response and Rescue Training Center (NERRTC) was established at TEEX in 1998 and funded by the U.S.Congress to improve the capabilities of emergency responders and local officials to respond to acts of terrorism, including those involving weapons of mass destruction (WMD). NERRTC is a member of the National Domestic Preparedness Consortium.

### Public Works (Infrastructure Training & Safety Institute - ITSI)

ITSI offers highly diverse training programs that serve and reach nearly all of the skill groups and departments found in local government, as well as state and federal government. Training is offered in construction, electric power, public works, transportation, water and wastewater, telecommunications, heavy equipment, building codes and other occupational areas.

### Safety & Health (OSHA Training Institute Education Center)

Part of TEEX's Infrastructure Training & Safety Institute (ITSI), works with individuals and companies to maintain voluntary compliance with OSHA regulations to ensure workplace safety and health. Covering the five states of OSHA Region VI, the Southwest Education Center offers a wide variety of training programs, including the TEEX Certified Safety and Health Official Program as well as other professional and regulatory training courses.

### Law Enforcement & Security (LAW)

LAW is one of the primary trainers for law enforcement officers within Texas and is the state's oldest continuing statewide law enforcement extension training agency. TEEX sponsors the Central Texas Police Academy and offers a wide variety of basic and advanced training to peace officers and private industry security professionals.

### Knowledge Engineering (KE)

KE provides expertise in technology commercialization, manufacturing and small business growth, economic development, technology assessment, community development, semiconductor training and professional development, and can assist organizations with Web applications, instructional design and E-learning.





## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
## 800.723.3811

| Item Description | | | Contract Class | | Open Enrollment Class GSA Price |
|---|---|---|---|---|---|
| Course # | Course Name | Duration | GSA Price & No. of Students | GSA Price per Student over max | |
| OSH201 | Hazardous Materials | 31 hrs. | n/a | n/a | $715.00 |
| OSH204 | Machinery and Machine Guarding Standards | 31 hrs. | n/a | n/a | $660.40 |
| OSH222 | Respiratory Protection | 31 hrs. | n/a | n/a | $660.40 |
| OSH225 | Principles of Ergonomics Applied to Work-Related Musculoskeletal and Nerve Disorders | 23 hrs. | n/a | n/a | $615.00 |
| OSH226 | Permit-Required Confined Space Entry | 31 hrs. | n/a | n/a | $715.00 |
| OSH301 | Excavation, Trenching and Soil Mechanics | 23 hrs. | n/a | n/a | $615.00 |
| OSH309 | Electrical Standards | 31 hrs. | n/a | n/a | $715.00 |
| OSH311 | Fall Arrest Systems | 23 hrs. | n/a | n/a | $660.40 |
| OSH500 | Trainer Course in Occupational Safety and Health Standards for the Construction Industry | 31 hrs. | n/a | n/a | $715.00 |
| OSH501 | Trainer Course in Occupational Safety and Health Standards for General Industry | 31 hrs. | n/a | n/a | $715.00 |
| OSH502 | Update for Construction Industry Outreach Trainers | 19.25 hrs. | n/a | n/a | $615.00 |
| OSH503 | Update for General Industry Outreach Trainers | 19.25 hrs. | n/a | n/a | $615.00 |
| OSHA510 | Occupational Safety and Health Standards for The Construction Industry | 31 hrs. | n/a | n/a | $615.00 |
| OSH521 | OSHA Guide to Industrial Hygiene | 31 hrs. | n/a | n/a | $715.00 |
| OSH600 | Collateral Duty Course for Other Federal Agencies | 35 hrs. | $9,800.00 Up to 20 | $508.00 | n/a |
| OSH784 | Record Keeping Rule Seminar | 4.25 hrs. | n/a | n/a | $202.80 |
| OSH1106 (PRT106) | Hydrogen Sulfide (H2S) Instructor Development | 23 hrs. | n/a | n/a | $616.72 |
| PRT249 | Voluntary Protection Program (VPP) Requirements | 23 hrs. | n/a | n/a | $670.00 |
| PRT252 | Voluntary Protection Program (VPP) Auditor | 13 hrs. | n/a | n/a | $468.00 |

*Note: Prices are Net (discount deducted). Travel and expenses associated with services performed at the end user's site are not included and will be invoiced on a separate line item.*
*To Register as a GSA Participant: Please contact the TEEX Division indicated for each course.*

## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
## 800.723.3811

| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| **OSH201** | **Hazardous Materials** |
| 31 Hours, 3.1 CEUs | This course covers OSHA general industry standards and integrates materials from other consensus and proprietary standards that relate to hazardous materials. Included are flammable and combustible liquids, compressed gases, LP gases, and cryogenic liquids. Preparing an emergency plan and hazardous waste cleanup are also discussed. |
| **OSH204** | **Machinery and Machine Guarding Standards** |
| 31 Hours, 3.1 CEUs | This course familiarizes the student with various types of common machinery and related safety standards. Guidance is provided on the hazards associated with various kinds of machinery and the control of hazardous energy sources (lockout/tagout). This course presents an approach to machinery inspection that enables participants to recognize hazards and to provide options to achieve abatement. These hazards include mechanical motions and actions created by points of operation and other machinery processes. |
| **OSH222** | **Respiratory Protection** |
| 31 Hours, 3.1 CEUs | This course covers the requirements for the establishment, maintenance, and monitoring of a respirator program. Course highlights include workshops on respirator selection, qualitative fit testing, and the use of a large array of respiratory and support equipment for hands-on training. |
| **OSH225** | **Principles of Ergonomics Applied to Work-Related Musculoskeletal and Nerve Disorders** |
| 23 Hours, 2.3 CEUs | Explore the principles which control human performance and its effects on the safety and reliability of systems. Engineering anthropometry, biomechanics of motion and work posture, work physiology, and performance measurements are covered in the context of other application in workplace design. Students will be instructed in methodologies for analysis tasks and human performance requirements. Important human limitations are studied in workshops. |
| **OSH226** | **Permit-Required Confined Space Entry** |
| 31 Hours, 3.1 CEU | This course is designed to increase the student's knowledge of hazards associated with permit-required confined space entry. This course discusses the use and limitations of explosion meters, oxygen meters, and other test equipment. |

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## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
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| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| **OSH301** | **Excavation, Teaching and Soil Mechanics** |
| 23 Hours, 2.3 CEUs | This course focuses on OSHA standards and the safety aspect of excavation and trenching. Students are introduced to practical soil mechanics and its relationship to the stability of shored and unshorn slopes and walls of excavations. |
| **OSH309** | **Electrical Standards** |
| 31 Hours, 3.1 CEUs | This course emphasizes the study of electricity and its associated phenomena of resistance, capacitance, and inductance in both AC and DC circuits. The course introduces principles of residential electrical wiring, usage of test equipment, and electrical hazards relating to industrial settings. |
| **OSH311** | **Fall Arrest Systems** |
| 23 Hours, 2.3 CEUs | This course provides an overview of state-of-the-art technology for fall protection and current OSHA requirements. Course features a demonstration of fall protection equipment. |
| **OSH500** | **Trainer Course in Occupational Safety and Health Standards for the Construction Industry** |
| Prerequisites: Student must provide proof of 1) completion of OSHA 510, OR a 30-hour construction safety and health outreach course, OR 30 hours of similar construction training AND 2) five years of experience in the construction industry.<br>31 Hours, 3.1 CEUs | This course is designed for private-sector personnel interested in teaching the 10- and 30-hour construction safety and health outreach programs to other employees and interested groups. Special emphasis is placed on those topics that are required in the outreach program as well as those that are most hazardous, using the 29 CFR 1926 as a guide. Instructional techniques as well as effective use of visual aids and handouts are discussed. Outreach trainers are required to attend OSHA Course 502 at least once every four years to maintain their "Authorized Outreach Trainer" status. This course also serves those who do not wish to train, but want to increase their knowledge and effectiveness regarding controlling and eliminating hazards in a construction environment. Instructional techniques, classroom control, and other training issues will be discussed. |

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## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
## 800.723.3811

| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| OSH501 | Trainer Course in Occupational Safety and Health Standards for General Industry |
| PREREQUISITES: Student must provide proof of 1) completion of OSHA 511, OR a 30-hour general industry safety and health outreach course, OR 30 hours of similar general industry training AND 2) five years of experience in general industry. 31 Hours, 3.1 CEU | This course presents detailed information on how the provisions of the OSH Act may be implemented in the workplace. Rights and responsibilities under the OSH Act, the appeals process, and recordkeeping are covered. This course also includes an introduction to OSHA's general industry standards and an overview of the requirements in the more frequently referenced standards. This course also qualifies the student to teach the 10- and 30-hour general industry safety and health outreach courses as an "Authorized Outreach Trainer." Outreach trainers are required to attend OSHA Course 503 at least once every four years to maintain their trainer status. This course also serves those who do not wish to train, but want to increase their knowledge and effectiveness regarding controlling and eliminating hazards in a construction environment. Instructional techniques, classroom control, and other training issues will be discussed. |
| OSH502 | Update for Construction Industry Outreach Trainers |
| 19.25 Hours, 1.9 CEUs | This course is designed for personnel in the private sector who have completed OSHA Course 500 and who are active trainers in the outreach program or those in the construction industry who would like to keep current their knowledge of the OSHA Standards in 29 CFR 1926. It provides an update on such topics as OSHA construction standards, policies, and regulations. Registration will not be completed until a copy of the OSHA Construction Industry Outreach Trainer card or certificate has been received. These may be sent/faxed in with the registration form. If your card is expired, you must retake the OSHA 500. |
| OSH503 | Update for General Industry Outreach Trainers |
| 19.25 Hours, 1.9 CEUs | This course is designed for personnel in the private sector who have completed OSHA Course 501 and who are active trainers in the outreach program or those in general industry who would like to keep current their knowledge of the OSHA Standards in 29 CFR 1910. It provides an update on such topics as OSHA general industry standards, policies, and regulations. Registration will not be completed until a copy of the OSHA General Industry Outreach Trainer card or certificate has been received. These may be sent/faxed with the registration form. If your card is expired you must retake the OSHA 501. |

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| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| OSH510 | Occupational Safety and Health Standards for the Construction Industry |
| 31 Hours, 3.1 CEUs | This course covers OSHA's policies, procedures, and standards as well as construction safety and health principles. Topics include scope and application of the OSHA construction standards. Special emphasis is placed on those areas that are most hazardous. The students will examine 29 CFR 1926 in great detail. This is an entry- level course that provides you with basic safety and health knowledge for the construction industry. Upon completion of this course a wallet card and certificate will be issued certifying that you have completed 30 hours of OSHA training. |
| OSH521 | OSHA Guide to Industrial Hygiene |
| 31 Hours, 3.1 CEUs | This course covers industrial hygiene practices and related OSHA regulations and procedures. Topics include permissible exposure limits, OSHA health standards, respiratory protection, engineering controls, hazard communication, OSHA sampling procedures and strategy, workplace health program elements and other industrial hygiene topics. The course features workshops in health hazard recognition, OSHA health standards, and unique safety and health issues workshop. |
| OSH600 | Collateral Duty Course for Other Federal Agencies |
| 35 Hours, 3.5 CEUs | This course introduces federal agency collateral duty safety and health personnel to the OSH Act, Executive Order 12196, 29 CFR 1960, and 29 CFR 1910. The training enables the student to recognize basic safety and health hazards in the workplace and effectively assist agency safety and health officers with inspection and abatement efforts. |
| OSH784 | Record Keeping Rule Seminar |
| 4.25 Hours, .4 CEUs | OSHA's record keeping requirements are designed to help employers recognize workplace hazards and correct hazardous conditions by tracking work-related injuries and illness and their causes. |
| OSH1106 (PRT106) | Hydrogen Sulfide Instructor Development |
| 23 Hours, 2.3 CEUs | This course is intended to provide participants with the skills, knowledge and techniques to develop and provide site-specific, technical skill-level Hydrogen Sulfide (H2S) training programs to the petroleum industry, utilities, research and development, laboratories, transportation, paper/pulp/food processing, chemical manufacturing and other companies with H2S at their facilities. |

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## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
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| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| PRT249 | Voluntary Protection Program (VPP) Requirements |
| 23 Hours, 2.3 CEUs | The Voluntary Protection Programs (VPP) promotes effective worksite-based safety and health. In the VPP, management, labor, and OSHA establish cooperative relationships at workplaces that have implemented a comprehensive safety and health management system. Approval into VPP is OSHA's official recognition of the outstanding efforts of employers and employees who have achieved exemplary occupational safety and health. This course is intended for sites planning to apply for the Voluntary Protection Program (VPP) and includes lectures, group discussions and hands-on exercises. Emphasis is placed on successfully achieving and maintaining VPP status. |
| PRT252 | Voluntary Protection Program (VPP) Auditor |
| 13 Hours, 1.3 CEUs | The Voluntary Protection Programs (VPP) promote effective worksite-based safety and health. Participants of this course will develop the skills needed to audit a Voluntary Protection Program (VPP) site, including examination of documentation, interviewing, recognition of effective programs, trend analysis, communication with management, and evaluation of management commitment and employee involvement. |

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## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
## 800.723.3811

| Item Description | | | Contract Class | | Open Enrollment Class GSA Price |
|---|---|---|---|---|---|
| Course # | Course Name | Duration | GSA Price & No. of Students | GSA Price per Student over max | |
| ENV208 | Hazardous Waste Management | 24 hrs. | $5725.00 Up to 20 | $600 | $754.00 |
| ENV209 | Hazardous Materials Management Survey | 32 hrs. | $11,100.00 Up to 20 | $800 | $884.00 |
| ENV212 | US DOT Hazardous Materials Employee Training | 16 hrs. | $4530.00 Up to 20 | $400 | $520.00 |
| ENV213 | Introduction to Environmental Health and Safety | 32 hrs. | $11,100.00 Up to 20 | $800 | $884.00 |
| ENV215 | Hazardous Waste Update | 8 hrs. | $3,330.00 Up to 20 | $200 | $286.00 |
| ENV221 | Soil and Groundwater Remediation | 16 hrs. | $4835.00 Up to 20 | $400 | $520.00 |
| ENV235 | Chemistry for Environmental Professionals | 24 hrs. | $5725.00 Up to 20 | $600 | $754.00 |
| EPP009 | Electric Power Principles | 24 hrs. | n/a | n/a | $587.60 |
| EPP013 | Electrical Worker-Safe Work Practices | 16 hrs. | n/a | n/a | $483.60 |
| TTP303 | Fiber Optic Splicing | 32 hrs. | n/a | n/a | $1118.00 |
| TTP308 | Fiber Optic Troubleshooting | 20 hrs. | n/a | n/a | $825.00 |
| TTP310 | Fiber Optic Installer Certification | 32 hrs. | n/a | n/a | $1242.80 |
| TTP313 | Fiber Optic Engineering Fundamentals | 20 hrs. | n/a | n/a | $930.80 |
| TTP328 | Fiber Optic Installer Recertification | 12 hrs. | n/a | n/a | $832.00 |

*Note: Prices are Net (discount deducted). Travel and expenses associated with services performed at the end user's site are not included and will be invoiced on a separate line item.*
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| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| **ENV208** | **Hazardous Waste Management** |
| 40 Hours, 4.0 CEUs | This is a required EPA training course for anyone who manage or handle hazardous wastes at large quantity generator or Treatment Storage and Disposal (TSD) facilities. Small quantity generators are also required by the regulations to be thoroughly familiar with the compliance issues discussed in this course (40 CFR 262.34). |
| **ENV209** | **Hazardous Materials Management Survey** |
| 32 Hours, 3.2 CEUs | Obtain an intense review of EH&S topics designed to prepare you to take the Certified Hazardous Materials Manager (CHMM) or Registered Environmental Manager (REM) exam. |
| **ENV212** | **US DOT Hazardous Materials Employee Training** |
| 16 Hours | Employee training requirements specified in 49 CFR 172, Subpart H are targeted in this course. This course is recommended for employees who load, unload, handle or prepare hazardous materials for ground transportation. |
| **ENV213** | **Introduction to Environmental Health and Safety** |
| 32 Hours | This course is a general overview of federal environment compliance requirements. Also included are the more common health and safety issues pertaining to occupational exposure to hazardous materials. |
| **ENV215** | **Hazardous Waste Update** |
| 8 Hours, 0.8 CEUs | This course helps meet RCRA's annual training requirement for anyone managing or handling hazardous wastes at a large quantity generator site (LQG), also recommended for small quantity generators (LQG) and conditionally excluded small quantity generators (CESQG). Recommended Training: Hazardous Waste Management (ENV208). |
| **ENV221** | **Soil and Groundwater Remediation** |
| 16 Hours | This course covers theory and practical application of various on- and off-site remediation technologies for contaminated soil and groundwater. Presentations emphasize elements governing the selection of the most effective technology for a specific site. Case history workshops deal with problem-solving methodologies used in calculating field measurements and the cost of remediation. |
| **ENV235** | **Chemistry for Environmental Professionals** |
| 24 Hours, 2.4 CEUs | Based on EPQ 165.21, this course provides a review of fundamental chemical concepts which underlay an understanding of applied environmental chemistry. The course is designed for environmental professionals who are not chemists, but who require a basic knowledge of chemistry and environmental chemistry in their work. |

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| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| **EPP009** | **Electric Power Principles** |
| 24 Hours, 2.4 CEUs | Employee training requirements specified in 49 CFR 172, Subpart H are targeted in this course. This course is recommended for employees who load, unload, handle or prepare hazardous materials for ground transportation. |
| **EPP013** | **Electrical Worker - Safe Work Practices** |
| 16 Hours, 1.6 CEUs | This certificate course includes the required "must-know" information necessary to work safely around, on or with electric utility tools, materials, equipment, facilities, and systems. You get nationally recognized safe work procedures and applicable OSHA compliance regulations for electrical transmission and distribution. At the completion this course, you are familiar with the nationally recognized safe work precautions, basic safe work procedures, and regulatory compliance measures for maintenance work on electric utility transmission and distribution systems. |
| **TTP303** | **Fiber Optic Splicing** |
| 32 Hours, 3.2 CEUs | Fiber Optics Splicing is becoming a more common skill requirement for cabling technicians. Fiber optic cables might have to be spliced together for a number of reasons—for example, to create a link of a particular length, or to repair a broken cable or connection. The interconnection of a fiber optic cable is a critical part of system performance. The two most common ways of connecting fiber optic cables or components are through the use of splices and connectors. This course teaches participants how to prepare fiber optic cables for splicing, to splice fibers with a fusion splicer and with mechanical connectors, to test fibers, and to make central office end connectors. |
| **TTP308** | **Fiber Optic Troubleshooting** |
| 32 Hours, 3.2 CEUs | This three-day course introduces you to the fundamentals of troubleshooting fiber optic systems. Learn to use various types of fiber optic test equipment to locate, analyze and correct trouble in a fiber optic network. |

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*To Register as a GSA Participant: Please contact the TEEX Division indicated for each course.*

## INFRASTRUCTURE TRAINING & SAFETY INSTITUTE (ITSI)
## 800.723.3811

| COURSE NUMBER | TITLE/DESCRIPTION |
|---|---|
| TTP310 | Fiber Optic Troubleshooting |
| 20 Hours, 2.0 CEUs | Interconnection of a fiber optic cable is a critical part of system performance. Become an industry recognized installer with certification from the Electronic Technicians Association (ETA). This fiber optic installation training course is designed for those who layout, install or maintain fiber optic cabling systems. It identifies you as an installer able to demonstrate a practical knowledge of fiber optic theory, codes, standards, and practices widely accepted in the fiber optics industry. Participants will have the opportunity for individual hands-on training validating installer skills, including fiber terminations, cable preparations, fusion splicing, OTDR, and optical loss testing. These skills are applicable to all the requirements to safely and competently install, maintain, and test fiber optic cabling systems. At the conclusion of the course, as an approved testing site, the ETA Fiber Optics Installer Certification exam will be administered. The widely recognized certification is proof positive that you have been thoroughly trained and can demonstrate the highest professional fiber optics installation proficiency. |
| TTP313 | Fiber Optic Engineering Fundamentals |
| 31 Hours, 3.1 CEUs | The nature of fiber optic cables and the availability of the different types of fiber optic terminals provide many options for designing any particular fiber optic system. It is the engineer's responsibility to develop a system that will satisfy the technical requirements and ensure economic feasibility. This course introduces participants to the concepts of fiber optic engineering. At the conclusion, participants understand how to properly specify and select components, design cost-effective fiber optic systems, and properly use the language when discussing fiber optic communications with vendors. |
| TTP328 | Fiber Optic Installer Recertification |
| 12 Hours, 1.2 CEUs | Don't let your certification lapse! Interconnection of a fiber optic cable is a critical part of system performance. Renew your Electronic Technicians Association (ETA) certification for another four years by refreshing your skills with hands-on fusion splicing, mechanical splicing, and OTDR exercises. The widely recognized certification is proof positive that you have been thoroughly trained and can demonstrate the highest professional fiber optics installation proficiency. |

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## TEEX ONLINE
**teex.org**

## TEEX EMAIL SUBSCRIPTIONS
**teex.org/subscribe**

## TEEX SOCIAL MEDIA

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Updated June 6, 2016

**TEXAS A&M ENGINEERING EXTENSION SERVICE**
**200 Technology Way**
**College Station, Texas**
**77845-3424**
**877.833.9638 (toll-free)**
**teex.org**

**Terri Sager**
**terri.sager@teex.tamu.edu**
**or GSA@teex.tamu.edu**
**Tel: 979.458.6849 | Fax: 979.458.6838**

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