



VISION
ECONOMIC
SOCIAL





RISHEEM MUHAMMAD

Managing Partner of EDS Technologies LLC
US Veteran Owned Business
USAF 60TH Logistical Ops Travis AFB, California

EDS Technologies Training

Veteran owned and operated non-profit workforce development organization that specializes in training the under-employed in high demand occupations.

The EEE Model:

- Employment
- Education
- Entrepreneurship



Who We Are



**RETRAIN
AMERICA**



NRF



DataVox



Services

- Specialty Training (next slide)
- Career Assessments and Employment Testing
- Certification Testing
- B2B Partner with local non-profits, community colleges, school districts, and community based organizations
- Employment Services
- Small Business / Back Office Support

Services Offered

Infrastructure



- Premise Wiring / Structured Wiring / Data Cabling CORE
- Security
- System Integration
- Fiber-Optics

Construction and Manufacturing



- Craft Core (NCCER and MC3)
- Safety (OSHA 10&30)
- Building Inspection
- Estimating (Exactimate)
- Supervision & Leadership
- Many more...

Warehousing and Transportation



- Forklift (CL IV and V)
- Heavy Duty Forklift(VII)
- CDL-B (coming soon)
- Logistics (coming soon)

Specialty Training



- Drones (coming soon)
- Small Business
- Customer Service (NRF)
- Microsoft Office Specialist
- CompTIA (A+, etc.)



Training Sectors

The computerization of buildings and our insatiable demand for high speed communications has created a demand for a **new type of infrastructure technician.**

- According to Statista's Digital Market Outlook, **almost every commercial building** built after 2000 and **another 12.2 million computerized homes** exist in 2016 (38% annual growth). There is a **large demand for installers and service technicians.**
- Fiber Optic technicians are **needed** in renewable power installations, **data centers, computer networking,** between **mobile communications towers,** and in **telecommunications.** Houston is behind in the adoption of Fiber to the Home, according to Broadbandnow.com, **Texas is ranked 46th** with homes that have access to Fiber with **only 11% of households having access to fiber.** This is about to change due to **outdated and the high cost maintenance** of the existing **copper system** and demand for 1 to 10 gbit internet service.



Demand



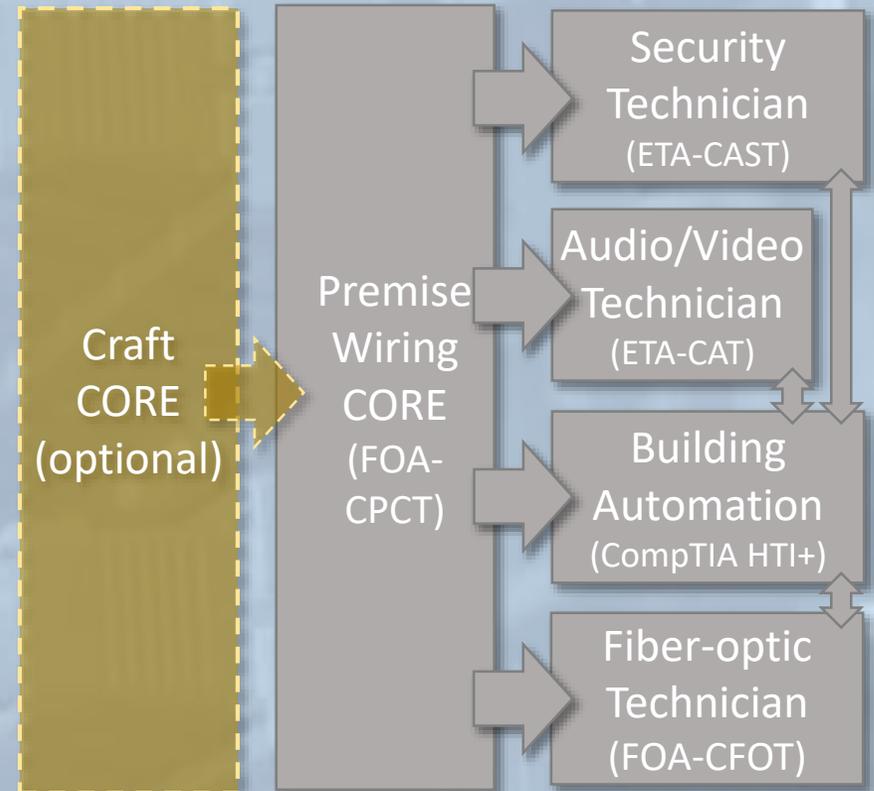
Craft CORE (optional) (120 classroom hours):

Students complete a combined NCCER Core Curriculum Certification and the MC3 (Multi-Craft Core Curriculum) from the Building Trade Unions (HGCBCTC). The class consists of both classroom and practicum.

- Safety and OSHA 10,
- Industrial Math,
- Hand and Power Tools,
- Blueprints and Construction Drawings,
- Employability and Communication Skills including Diversity Awareness and Sexual Harassment, and
- Material Handling.

Students Receive both **NCCER CORE** and **MC3** Credentials

Training Roadmap



Infrastructure Technician

Premise Wiring CORE (24 hours):

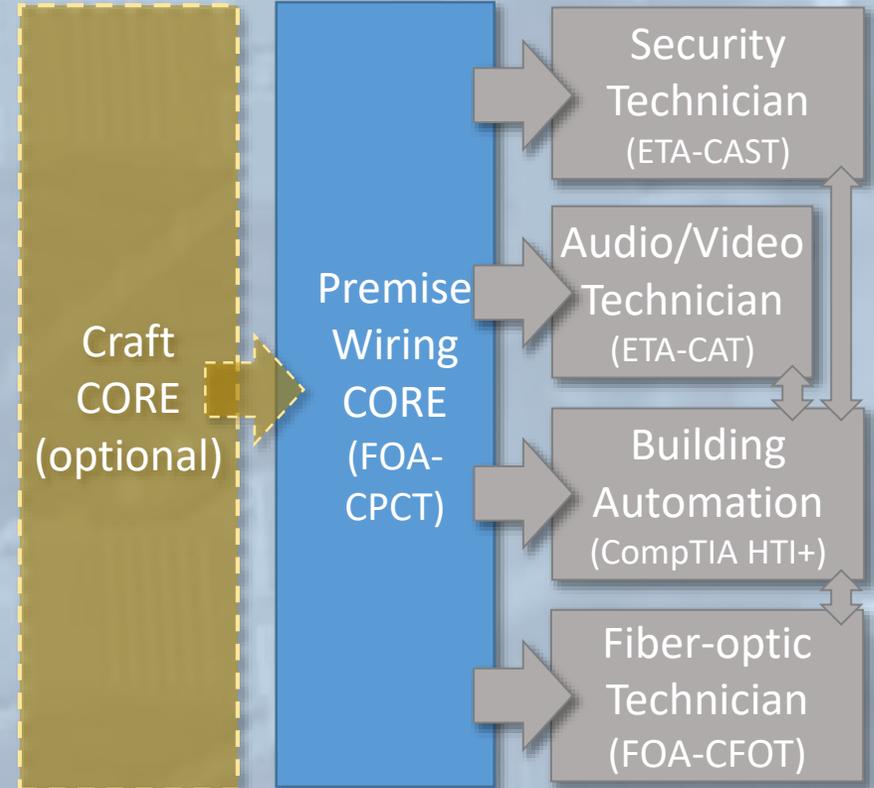
Students learn about cabling in buildings which is used for local area networks (LANs), security (CCTV and alarms), audio video, building management, and other industrial and equipment systems.

Students will install wiring, use various networking and communication tools, make connections and perform terminations.

- Overview of Cabling
- Cabling Jargon
- Networks
- Copper Cabling
- Fiber Optic Cabling
- Wireless
- Design
- Installation

Students Receive **FOA CPCT** (Certified Premise Cabling Technician) Credential

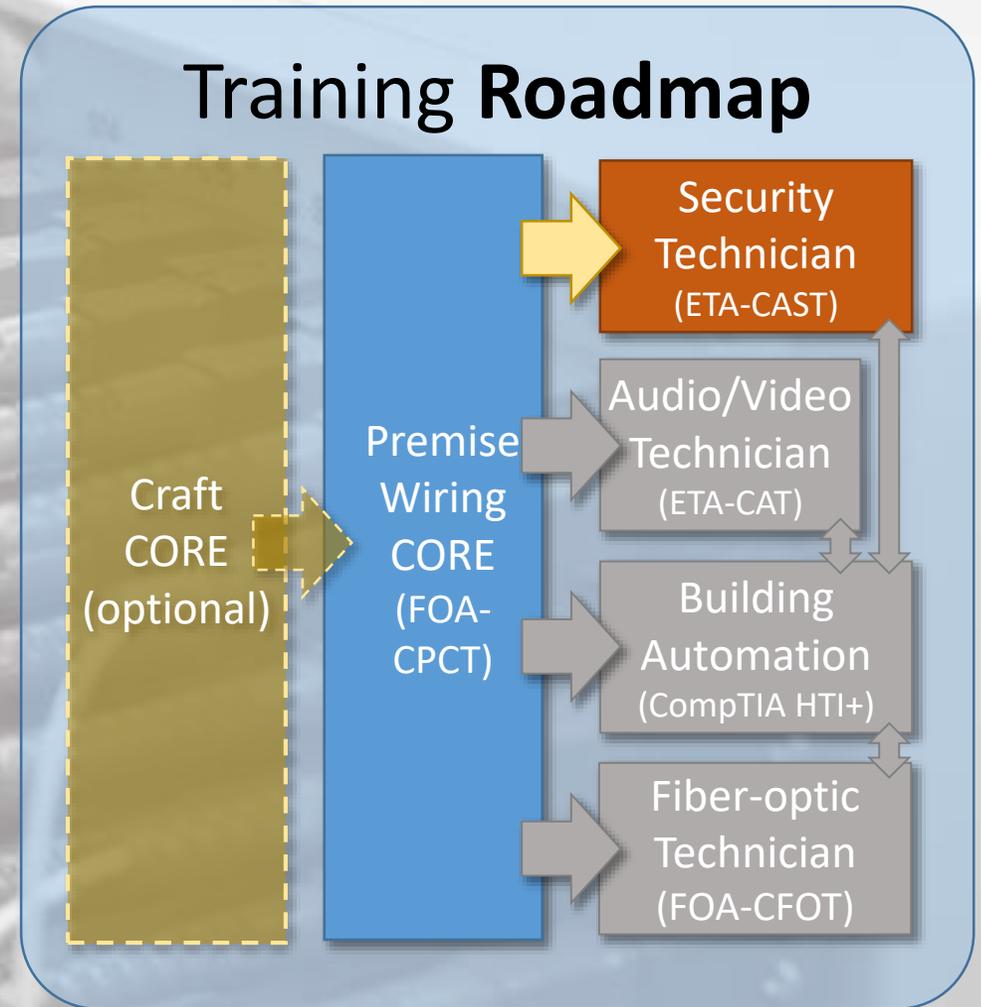
Training Roadmap



Infrastructure Technician

Certified Alarm Security Technician (40 hours):

Alarm Security Technicians must be able to identify and describe the operations of alarms and have basic understanding of technology and its configuration, software, and computers and locks. The CAST will be able to explain, understand, and use block diagrams and schematics, digital concepts, software, hand tools-soldering, data communications, and cameras and intercoms.



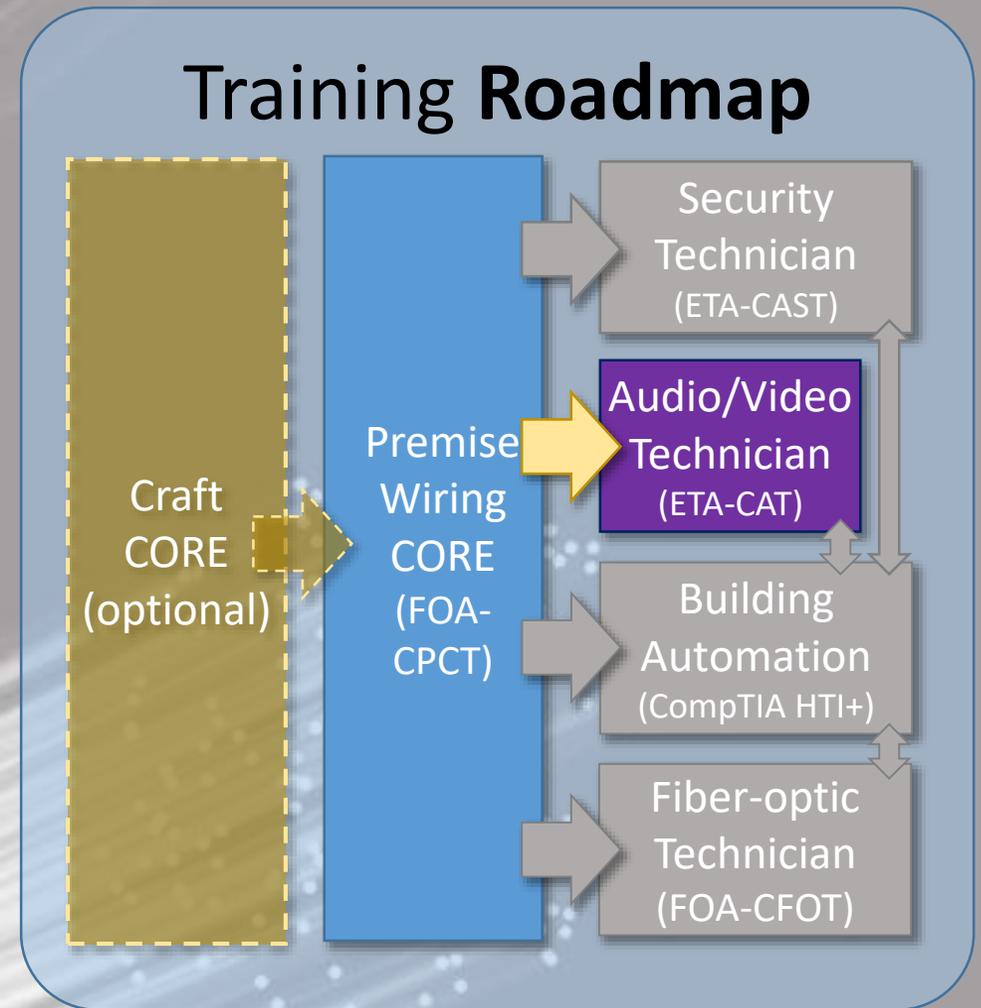
Students Receive ETA CAST(Certified Alarm Security Technician) Credential



Infrastructure Technician

Audio / Video Technician (40 hours):

The Commercial Audio Technician (CAT) is a certification for sound system technicians who need to design, install and troubleshoot speech and music sound systems in commercial and institutional environments. Commercial Audio Technicians must be knowledgeable in acoustics, microphones, speakers, sound & measurements, wiring, 70-volt systems, troubleshooting, safety, codes and standards.



Students Receive **ETA CAT**(Certified Audio Technician) Credential

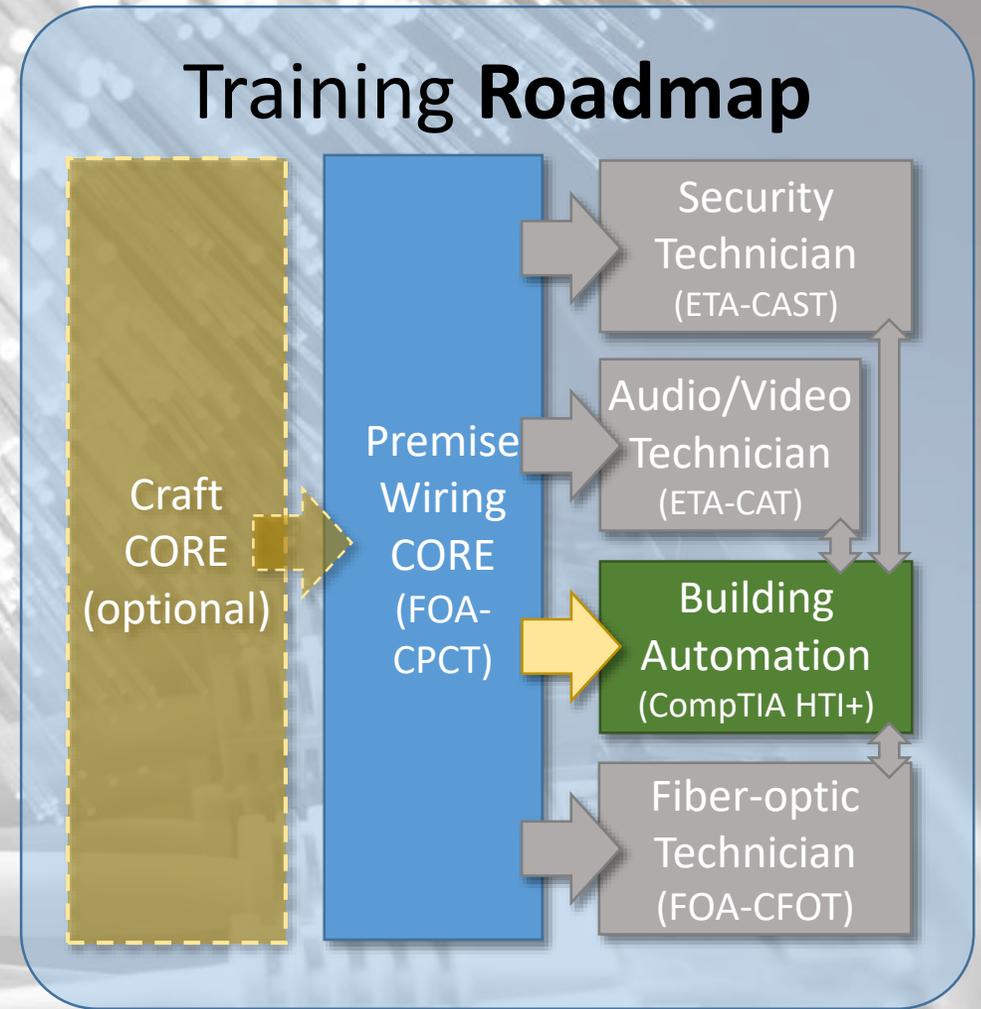


Infrastructure Technician

Building Automation (80 hours):

Students learn about how to integrate Building Automation Systems (BAS), security and surveillance, home networks, video and audio networks, lighting systems, environmental systems, and structured wiring and wireless systems.

The class contains theory, design, estimating and building a demonstration system.



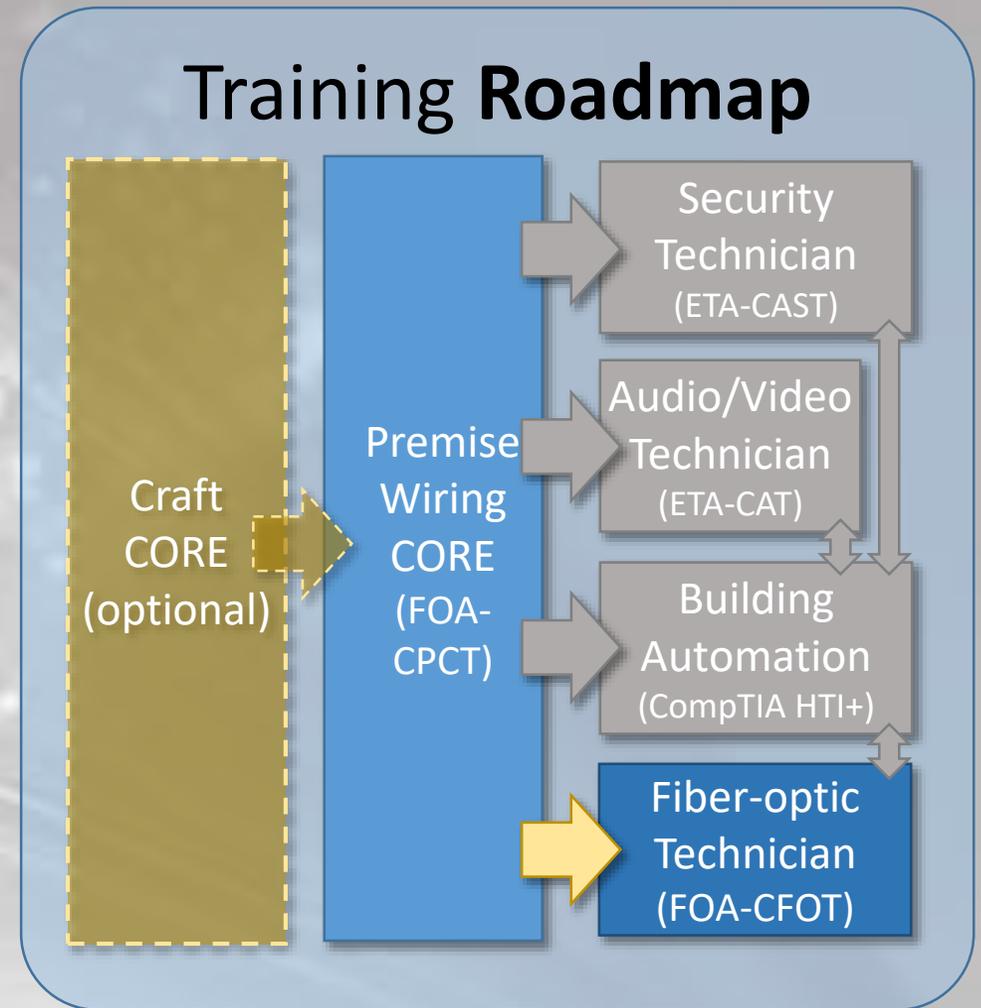
Students Receive **CompTIA HTI+** (Home Technology Integrator) Credential



Infrastructure Technician

Fiber-Optic Technician (40 hours):

FOA CFOT certification is based on an extensive knowledge of fiber optics technology and application as well as demonstrated skills in appropriate tasks. Most CFOTs work in the industry as contractors or installers. Consultants, network designers, estimators and trainers would also be expected to have such credentials. Many CFOTs are involved with the manufacture of fiber optic components such as cables, patchcords, active devices and communications systems.



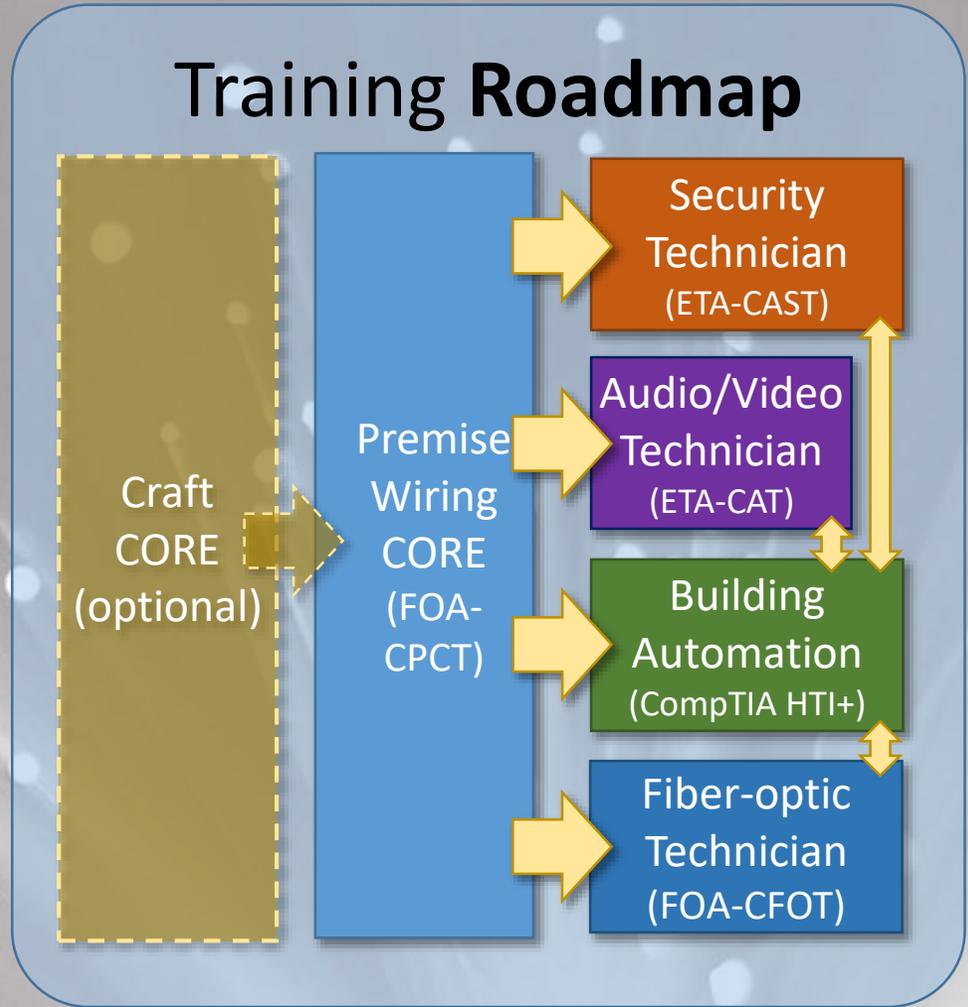
Students Receive **FOA CFOT**(Certified Fiber Optic Technician) Credential



Infrastructure Technician

| Class Name | Class Hrs | % Growth (TX) | # Annual Jobs (TX) | Median Wages | Certification |
|---------------------------|-----------|---------------|--------------------|--------------|---------------|
| Craft CORE (optional) | 120 | 17% | 4635 | \$13.34 | NCCER/MC3 |
| Premise Wiring CORE | 24 | 22% | 680 | \$21.62 | FOA-CPCT |
| Security Technician | 40 | 33% | 410 | \$20.29 | ETA-CAST |
| Audio Video Tech. | 40 | 21% | 80 | \$16.33 | ETA-CAT |
| Building Automation Tech. | 80 | 38% | 120 | \$21.56 | CompTIA HTI+ |
| Fiber Optic Technician | 40 | 21% | 330 | \$23.99 | FOA-CFOT |
| | 344 | | | | |

Source: Onetonline.org / BLS / HGAC 2018 Gulf - OCC



Infrastructure Technician

EDS
TECH



Questions