



# Brownsville ISD Career & Technical Education

## Industry Certifications

CTE Certification Center  
1905 E. 6<sup>th</sup> St. ♦ Brownsville, TX

# Certifications at CTE Center

- 1-Year Programs:
  - Distribution & Logistics
  - Electrical Technology
  - Drone/ Entrepreneurship – Small Business
  - Personal Trainer
- 2-Year Programs:
  - Firefighter
  - Cosmetology
  - Building Trades (Construction)
  - Pipefitting/Welding

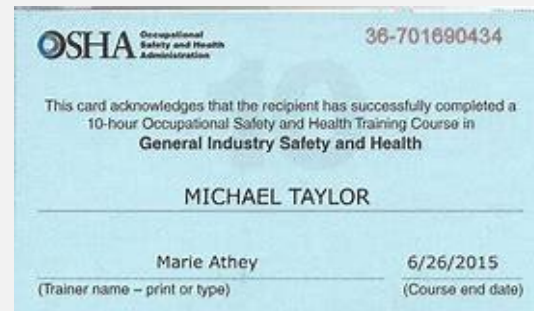




# Practicum in Distribution & Logistics

## Certified Logistic Technician

- Product Receiving
- Product Storage
- Order Processing
- Packaging and Shipping
- Inventory Control
- Safe handling of hazmat materials
- Evaluation of transportation modes
- Dispatch and tracking
- Measurements and metric conversions



## Forklift Operator

- Learn how to inspect vehicle
- Practice on SimLog to learn proper use of Forklift gears
- How to inspect/change out propane tank
- Proper safety warehouse procedures
- Learning how to load/unload merchandise

## • Course & Certification information

- 1-Year Program
- Senior Level
- 3-period course
- Transportation from home campus

## Certifications Earned:

- Occupational Safety and Health Administration- General – 10 Hour (OSHA)
- Forklift Operator
- Certified Logistics Technician



# Firefighter

- Responds to fire alarms and extinguishes fire;
- Responds to calls for emergency medical services, and renders first aid;
- Performs salvage operations such as throwing salvage covers, sweeping water and removing debris;
- Responds to and renders assistance in emergency cases;
- Cleans and inspects equipment and apparatus after returning from a fire;
- Makes minor repairs to equipment and apparatus, performs routine preventative maintenance tasks, and keeps records of such action;
- Participates in training activities and instruction sessions

- **Course & Certification information**

- 2-Year Program
- Junior and Senior Year
- 3-period course
- Transportation from home campus
- **Certifications earned:**
  - Firefighter
  - Emergency Medical Technician (EMT-B) or Emergency Medical Responder (EMR)





# Cosmetology

- **Training**

- Basic Manipulative Skills
- Safety Judgements
- Proper Work Habits
- Desirable **ATTITUDES** needed to obtain Texas Licensure
- Competency in entry level positions in Cosmetology or a related career field

- **Opportunity to become a member of SkillsUSA Organization**

- Knowledge, Skills and Training of competitive edge needed to succeed in the cosmetology profession
- Letterman Jacket earned during senior year by meeting respective BISD criteria

- **Course & Certification information**

- 2-Year Program
- Junior and Senior Year
- 3-period course
- Transportation from home campus
- **Certification earned:**
  - Cosmetology Operator License (Texas Department of Licensing & Regulation)



# Electrical Technology

- The purpose of the electrical program is to train students and build their skills set in the electrical trades to meet employer's needs.
- This program is designed to develop and maintain the best trained workforce in the electrical trades industry.
- The student will install and maintain electrical devices and demonstrate wiring techniques common to residential and industrial facilities.
- The student is expected to describe how to determine electrical service requirements for residential and industrial facilities.
- Explain the role of the National Electrical Code

- **Course & Certification information**

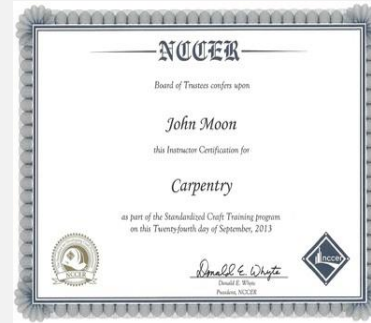
- 1-Year Program
- Senior Year
- 3-period course
- Transportation from home campus
- **Certifications earned:**
  - Electrical Apprenticeship Level 1
  - OSHA- 10- General



# Building Trades (Construction)

- Construction workers build cities, homes, and highways.
- Construction workers construct or remodel buildings used for living and work on structures such as streets, bridges, tunnels, and airports.
- Hands-on projects
  - Blueprint reading
  - Structural strength of houses
    - Framing, Foundation, Roofing
  - Cabinetmaking
- **Opportunity to become a member of SkillsUSA Organization**
  - Knowledge, Skills and Training of competitive edge needed to succeed in the construction profession
  - Letterman Jacket earned during senior year by meeting respective BISD criteria

- **Course & Certification information**
  - 2-Year Program
  - Junior and Senior Year
  - 3-period course
  - Transportation from home campus
  - **Certifications earned:**
    - Occupational Safety and Health Administration- Construction – 10 Hour (OSHA)
    - NCCER – Core Curriculum





# Pipefitting/Welding

- **Pipefitting**

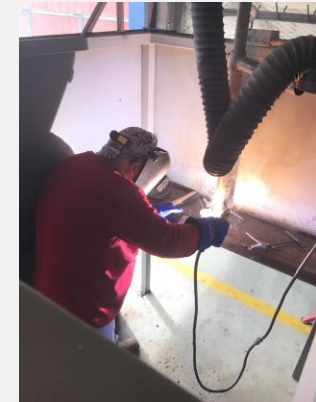
- Installation and repair of:
  - both high- and low-pressure pipe systems used in manufacturing,
  - piping systems used in the generation of electricity,
  - systems used in heating and cooling of buildings,
  - Connecting vital piping resources from country to country

- **Welding**

- Apply codes and regulations that govern the welding and fitting industry,
- Hands on training:
  - Learn Fillet welding
  - bridge and iron working, and
  - fabrication and repair of many types of industry equipment.

- **Course & Certification information**

- 2-Year Program
- Junior and Senior Year
- 3-period course
- Transportation from home campus
- **Certifications earned:**
  - Occupational Safety and Health Administration- Construction – 10 Hour (OSHA)
  - American Welding Society (AWS)





# Unmanned Aircraft Vehicle

- Learn the primary responsibilities of a drone pilot and cover industries that utilize UAV Pilots.
- Learn the primary responsibilities of a drone pilot and cover industries that utilize UAV Pilots.
- Identify and interpret operational requirements for using a visual observer
- Discusses the professional standards required by the UAV industry.
- Teach student to analyze the effects of weather on small unmanned aircraft
- Performance.
- Students will learn to analyze visibility requirements for UAV operation
- Fly with an observer.

## Certification Earned:

- FAA Part 107 Remote Drone Pilot



# Entrepreneurship- Small Business

- Learn the characteristics of an Entrepreneur.
- Learn important key terms
- Create a business plan, business logo, customer distribution list
- Identifying positions, duties and responsibilities of a small business
- Research good social media marketing strategies
- Business building plans
- Connecting knowledge to audience to build your brand and increase sales and drive website traffic.

## Certification Earned:

- Entrepreneurship and Small Business (ESB)



## • Course & Certification information

- 1-Year Program
- Senior Year
- 3-period course
- Transportation from home campus



# Certified Personal Trainer

- Fitness trainers and instructors lead, instruct, and motivate individuals or groups in exercise activities, including cardiovascular exercises (exercises for the heart and blood circulation), strength training, and stretching. They work with people of all ages and skill levels.
- Demonstrate or explain how to perform various exercises and routines to minimize injuries and improve fitness
- Watch clients do exercises to ensure that they are using the correct techniques
- Provide alternative exercises during workouts or classes for different levels of fitness and skill
- Monitor clients' progress and adapt programs as needed
- Explain and enforce safety rules and regulations on sports, recreational activities, and the use of exercise equipment
- Give clients information or resources about nutrition, weight control, and lifestyle issues
- Give emergency first aid if needed

## • Course & Certification information

- 1 Year Program
- Senior Year
- 3-period course
- Transportation from home campus

### Certifications earned:

- Certified Personal Trainer  
National Academy of Sports Medicine  
(NASM)





# IMPORTANT NOTES ABOUT CERTIFICATION PROGRAMS

- **TRANSPORTATION** PROVIDED from Home Campus to CTE Certification Center. For specific info, see your campus CPO.
- **Certification Programs offered** at CTE Certification Center – 1905 E. 6<sup>th</sup> St.
- ALL Required documentation **MUST BE SUBMITTED BY DEADLINE**
  - Students may submit hard copy (handed out before spring break) or
  - Submit online form



# Extra Curricular Activities and Industry Certification Programs

## Note:

- Training days, times, or scheduling may conflict with scheduled extra curricular activities.
- Certification Classes will be a priority before any extra curricular activity in order to meet the required hours of training for certification.





# Certification

- Please Note:
  - Certification courses are contingent upon student enrollment.
  - Courses will be developed once minimum student enrollment is met.
  - For specific questions, you may contact campus CPO.

