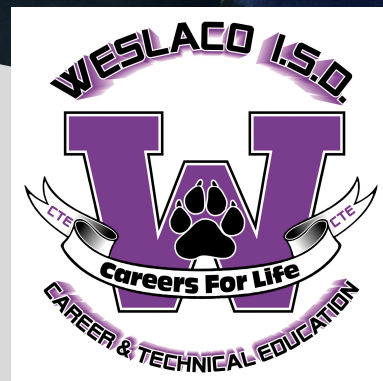




WESLACO ISD
CAREER & TECHNICAL
EDUCATION



CTE PROGRAMS OF STUDY BY ENDORSEMENT

2021-2022



WELCOME TO CTE!

FROM SANDRA AVILA, CTE DIRECTOR:

WESLACO ISD'S CAREER & TECHNICAL EDUCATION (CTE) PROGRAMS ARE "CHANGING LIVES AND BUILDING FUTURES". OUR TEACHERS AND STUDENTS HAVE BEEN RECOGNIZED AT THE REGIONAL, STATE, AND NATIONAL LEVELS FOR THEIR ACCOMPLISHMENTS IN THE CLASSROOM, IN OUR COMMUNITY, AND IN THE VARIOUS COMPETITIVE EVENTS ASSOCIATED WITH THEIR RESPECTIVE CTE STUDENT ORGANIZATIONS. WE CREDIT THIS SUCCESS TO STRONG SUPPORT BY PARENTS, BUSINESS ADVISORY AND POSTSECONDARY PARTNERS, WESLACO ISD'S CAMPUS AND DISTRICT ADMINISTRATION, WESLACO ISD'S BOARD OF TRUSTEES, AND THE SUPERINTENDENT IN PROVIDING THE RESOURCES NECESSARY FOR QUALITY CAREER AND TECHNICAL EDUCATION PROGRAMS FOR WESLACO ISD STUDENTS.

WE INVITE YOU TO LOOK AT OUR PROGRAMS OF STUDY BY ENDORSEMENT THAT FOLLOW EACH STUDENT'S CAREER PATHWAY OF CHOICE COMBINING ACADEMIC SUCCESS AND TECHNICAL SKILL ACQUISITION. WESLACO ISD CAREER & TECHNOLOGY EDUCATION IS A GREAT WAY FOR STUDENTS TO PREPARE FOR THE HIGHLY TECHNOLOGICAL AND COMPETITIVE WORKFORCE OF THE 21ST CENTURY.

IT IS THE POLICY OF WESLACO ISD NOT TO DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR HANDICAP IN ITS VOCATIONAL PROGRAMS, SERVICES OR ACTIVITIES AS REQUIRED BY TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED; TITLE IX OF THE EDUCATION AMENDMENTS OF 1972; AND SECTION 504 OF THE REHABILITATION ACT OF 1973, AS AMENDED.

CTE PROGRAM BENEFITS ARE SUBJECT TO AVAILABILITY &/OR CHANGES AS PER PROGRAM LOGISTICS.



CTE ENDORSEMENTS

BUSINESS & INDUSTRY

PUBLIC SERVICES

**STEM - SCIENCE, TECHNOLOGY ENGINEERING &
MATHEMATICS**

MULTIDISCIPLINARY

CTE PROGRAM BENEFITS ARE SUBJECT TO AVAILABILITY &/OR CHANGES AS PER PROGRAM LOGISTICS.



BUSINESS & INDUSTRY ENDORSEMENT- CTE PROGRAMS OF STUDY

CAREER CLUSTER

> PROGRAM OF STUDY

AG, FOOD & NATURAL RESOURCES

> PLANT SCIENCE

> ANIMAL SCIENCE

ARCHITECTURE & CONSTRUCTION

> ARCHITECTURAL DESIGN*

ARTS, A/V & TECHNOLOGY

> DESIGN & MULTIMEDIA ARTS

-COMMERCIAL PHOTOGRAPHY

-ANIMATION/VIDEO GAME

-JOURNALISM/YEARBOOK

> DIGITAL COMMUNICATIONS

BUSINESS, MARKETING & FINANCE

> ACCOUNTING & FINANCIAL SERVICES*

> BUSINESS MANAGEMENT*

> ENTREPRENEURSHIP*

> MARKETING & SALES*

***STC DUAL ENROLLMENT**



BUSINESS & INDUSTRY ENDORSEMENT- CTE PROGRAMS OF STUDY

CAREER CLUSTER

> PROGRAM OF STUDY

HOSPITALITY & TOURISM

>CULINARY ARTS

MANUFACTURING

>WELDING*

>ADVANCED MANUFACTURING &
MACHINERY MECHANICS*

STEM

>ENGINEERING*

>CYBER SECURITY*

>PROGRAMMING & SOFTWARE DEV.

TRANSPORTATION, DISTRIBUTION &
LOGISTICS

>AUTOMOTIVE*

>DIESEL & HEAVY EQUIPMENT*

***STC DUAL ENROLLMENT**



PUBLIC SERVICES ENDORSEMENT - CTE PROGRAMS OF STUDY

CAREER CLUSTER

PROGRAM OF STUDY

EDUCATION

>TEACHING & TRAINING

HEALTH SCIENCE

> HEALTHCARE THERAPEUTIC/

HEALTHCARE DIAGNOSTICS

-CERTIFIED NURSE AIDE

-PHARMACY TECHNICIAN

-EKG/PHLEBOTOMY

HUMAN SERVICES

>FAMILY & COMMUNITY SERVICES

>COSMETOLOGY

>HEALTH & WELLNESS

LAW & PUBLIC SERVICE

>LAW ENFORCEMENT

>EMERGENCY SERVICES*

***STC DUAL ENROLLMENT**



SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS ENDORSEMENT - STEM CTE PROGRAMS OF STUDY

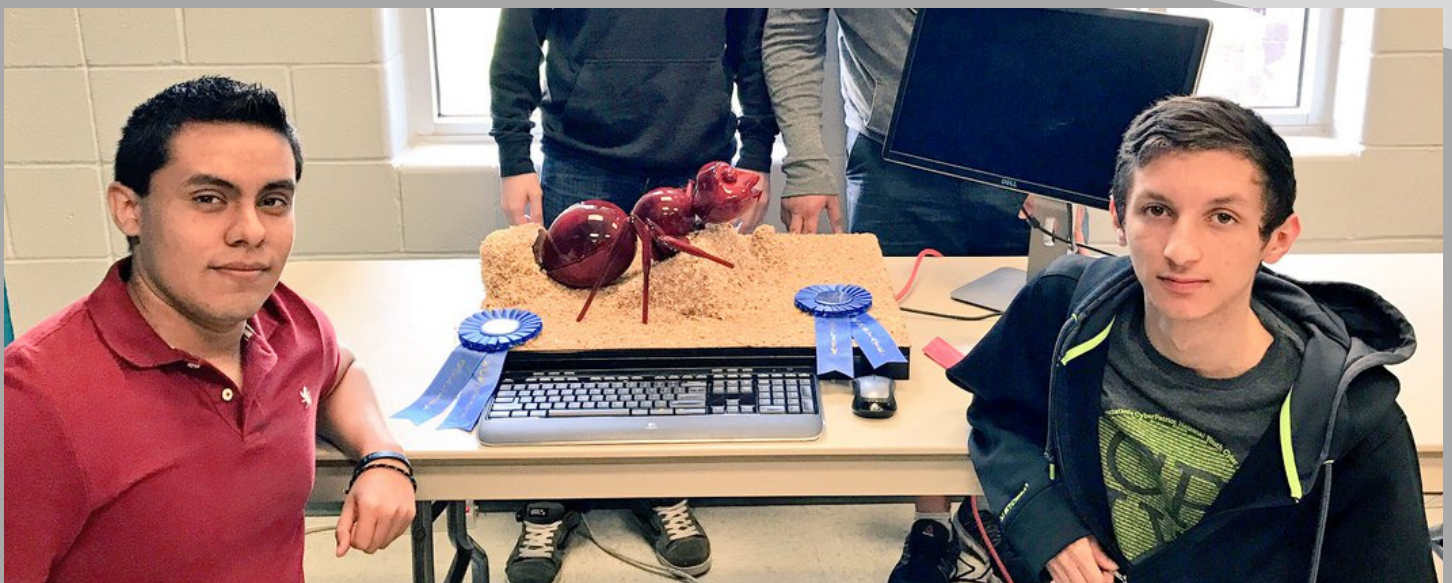
CAREER CLUSTER

STEM

PROGRAM OF STUDY

- >ENGINEERING*
- >CYBER SECURITY*
- >PROGRAMMING & SOFTWARE
DEVELOPMENT
- >BIOMEDICAL SCIENCE
- >ADVANCED MANUFACTURING &
MACHINERY MECHANICS*
- >HEALTHCARE THERAPEUTIC /
HEALTHCARE DIAGNOSTICS
- >ARCHITECTURAL DESIGN*
- >PLANT SCIENCE
- >ANIMAL SCIENCE

***STC DUAL ENROLLMENT**



CTE PROGRAM OF STUDY DESCRIPTIONS

Animal Science- focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

Plant Science - program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.

Architectural Design-program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

Design and Multimedia -Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

Digital Communications- program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

Accounting and Financial Services - program of study teaches CTE learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.

Business Management- program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

Entrepreneurship- program of study teaches CTE learners how to plan, direct, and coordinate the management and operations of public or private sector organizations. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, analyze management structures, and plan for the use of materials and human resources.

Marketing and Sales - program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.

Culinary Arts- program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

Welding- program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

Advanced Manufacturing and Machinery Mechanics - program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering.

CTE PROGRAM OF STUDY DESCRIPTIONS

Engineering- program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

Cybersecurity -program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.

Programming and Software Development- program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Automotive - program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.

Diesel and Heavy Equipment- program of study teaches students to diagnose, repair, modify, or redo mechanical and hydraulic equipment on crane, bulldozer, grader, conveyor, construction equipment, bus, and truck diesel engines.

Teaching and Training- program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

Healthcare Therapeutic- program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

Family and Community Services - program of study introduces students to knowledge and skills related to social services, including child and human development and consumer sciences. CTE learners may learn about or practice managing social and community services or teaching family and consumer sciences. Students may follow career paths in social work or therapy for children, families, or school communities.

Cosmetology - Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, haircare, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included.

Health and Wellness - program of study introduces students to knowledge and skills related to promoting physical, emotional, social, and mental health and wellness. Students who choose this program of study may learn how to assist patients in planning for their health and wellness, respond to crises, and advise, provide education or counseling, or make referrals. CTE learners may also focus on addressing barriers to access health and wellness services.

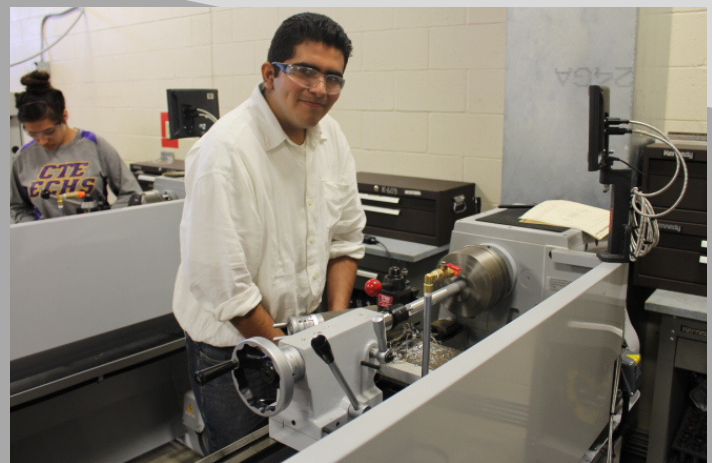
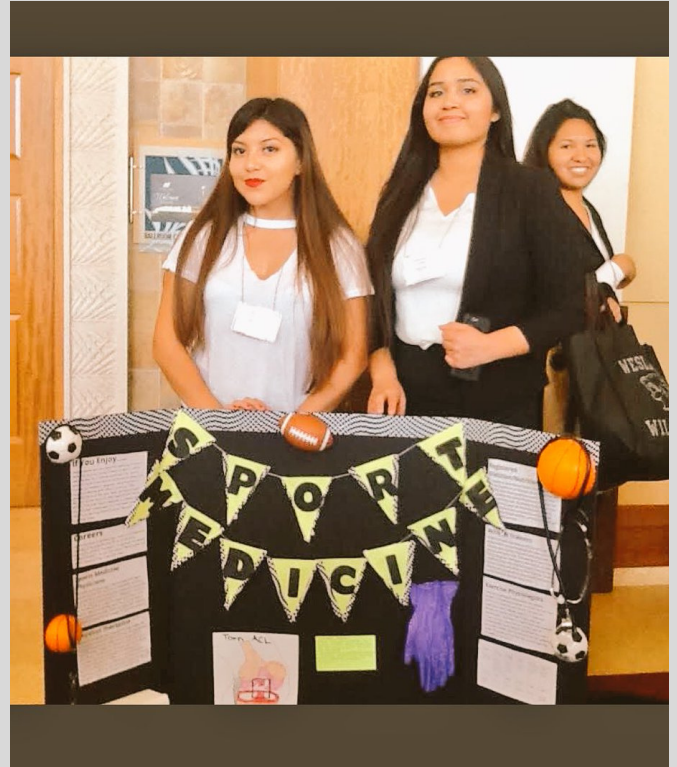
Law Enforcement -

program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

CTE PROGRAM OF STUDY DESCRIPTIONS

Emergency Services- program of study focuses on training CTE learners to respond to emergency situations, such as medical emergencies and fire-based emergencies. Students will learn how to prevent emergencies, respond appropriately and in accordance with rules and regulations during crises, and investigate and delineate the source of the emergency.

Biomedical Science- program of study focuses on the study of biology and medicine in order to introduce CTE learners to the knowledge and skills necessary to be successful in the healthcare field, such as researching and diagnosing diseases, pre-existing conditions, or other determinants of health. Students may also practice patient care and communication.

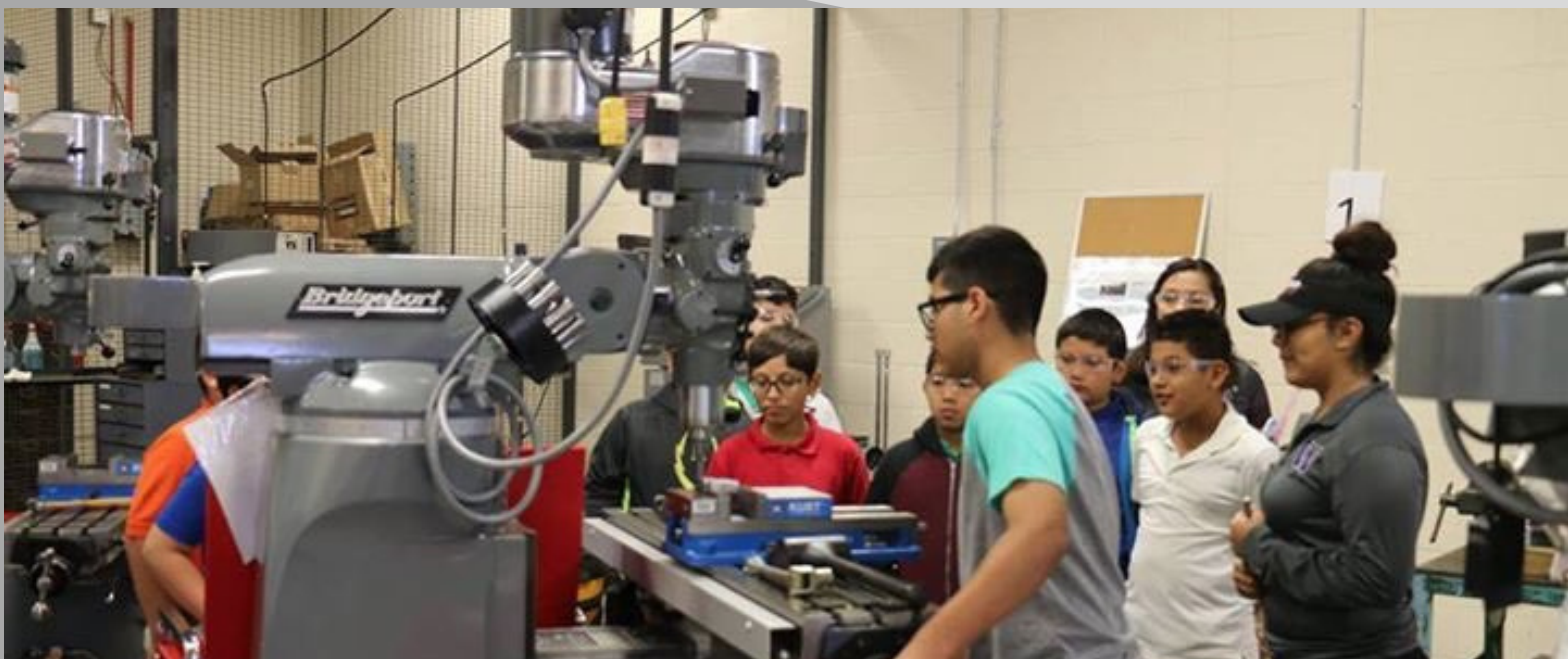


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WESLACO 21ST CENTURY CTE EARLY COLLEGE HIGH SCHOOL

**ASSOCIATE DEGREES AND COLLEGE CERTIFICATES IN PARTNERSHIP
WITH SOUTH TEXAS COLLEGE AVAILABLE:**

- *AAS IN WELDING TECHNOLOGY (COMBINATION & STRUCTURAL WELDING
CERTIFICATES)**
- *AAS IN ADVANCED MANUFACTURING TECHNOLOGY (PRECISION
MANUFACTURING CERTIFICATE)**
- *AAS IN DIESEL TECHNOLOGY (DIESEL TECHNOLOGY CERTIFICATE)**
- *AA IN CRIMINAL JUSTICE**
- *EMT - EMERGENCY MEDICAL TECHNOLOGY CERTIFICATE**



CTE ORGANIZATIONS & CLUBS

BUSINESS PROFESSIONALS OF AMERICA (BPA)

DISTRIBUTIVE EDUCATION CLUBS OF AMERICA (DECA)

SKILLS USA

GREENPOWER USA ELECTRIC CAR TEAM

CYBER PATRIOTS

CRIMINAL JUSTICE

FAMILY CAREER & COMMUNITY LEADERS OF AMERICA (FCCLA)

FUTURE FARMERS OF AMERICA (FFA)

HEALTH OCCUPATIONS STUDENTS OF AMERICA (HOSA)

NATIONAL TECHNICAL HONOR SOCIETY





**CELEBRATE TODAY,
OWN TOMORROW!**



WESLACO ISD CTE BUSINESS/INDUSTRY BASED CERTIFICATIONS AVAILABLE FOR 2021-2022

- Texas State Floral Association Level One Floral Certification
- NCCER Core Curriculum
- Adobe Certified Associate (ACA) - Animate (Multiplatform Animations using Adobe Animate CC)
- Adobe Certified Associate (ACA) - InDesign (Print & Digital Media Publication using Adobe InDesign)
- Adobe Certified Associate (ACA) - Photoshop (Visual Design using Adobe Photoshop)
- Adobe Certified Associate (ACA) - Premiere Pro (Digital Video using Adobe Premiere Pro)
- Entrepreneurship and Small Business (ESB)
- Intuit QuickBooks Certified User (QBCU)
- Microsoft Office Specialist Excel
- Microsoft Office Specialist Word
- Certified EKG/ECG Technician
- Certified Nurse Aide/Assistant (CNA)
- Certified Pharmacy Technician
- Medical Coding and Billing Specialist
- Phlebotomy Technician
- ServSafe Manager
- Community Health Worker Certification
- Cosmetology Operator License
- CompTIA IT Fundamentals+
- Microsoft Technology Associate (MTA) Introduction to Programming Using Java
- Microsoft Technology Associate (MTA) Networking Fundamentals
- Microsoft Technology Associate (MTA) Windows Operating System Fundamentals
- Educational Aide 1 Certificate
- Oracle Certified Associate (OCA), JAVA SE 8 Programmer (1Z0-808)
- Unity Certified Programmer
- International Academy of Emergency Dispatch Emergency Telecommunicator
- Non-Commissioned Security Officer Level II
- AWS D1.1 Structural Steel
- Certified SolidWorks Associate (CSWA)
- NIMS (National Institute for Metal Working Skills) Machining Level I - CNC Milling: Programming Setup & Operations
- ASE Engine Repair (A1)
- ASE Brakes (A5)
- ASE Electronic/Electrical Systems (A6)
- ASE Painting and Refinishing (B2)
- ASE Suspension and Steering (A4)
- FAA (Federal Aviation Administration) Part 107 Remote Drone Pilot

Joe Calvillo, Jr. Career & Technology Complex 3601 N. x 5 1/2 West
Visit us at: <http://www.cte.wisd.us/>
956-969-6703 (office)



It is the policy of the Weslaco ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973 as amended; Title II of the Americans with Disabilities Act of 1990, as amended.

CTE PROGRAM BENEFITS ARE SUBJECT TO AVAILABILITY &/OR CHANGES AS PER PROGRAM LOGISTICS.

FREE CERTIFICATES, LICENSES, AND ASSOCIATE DEGREES!!!!

HOW MUCH CAN YOU SAVE AT WESLACO ISD CTE? HERE ARE A FEW EXAMPLES :

AAS DEGREE IN WELDING AT SOUTH TEXAS COLLEGE COULD COST YOU \$19,348!

PHARMACY TECHNICIAN LICENSE/TRAINING - \$16,550

COSMETOLOGY TRAINING /LICENSURE - \$21,440!

TESTOUT PC PRO CERTIFICATE - \$495.00 PER EXAM

ADOBE-ILLUSTRATOR, PHOTOSHOP, INDESIGN, DREAMWEAVER, ANIMATE CERTIFICATES -
\$180 PER TEST

AT WESLACO ISD CTE - IT'S FREE!



**TEXAS OCCUPATIONS ADDING THE MOST JOBS
REQUIRING AN ASSOCIATE DEGREE OR POSTSECONDARY
VOCATIONAL AWARD**

SOURCE: TEXAS EMPLOYMENT OUTLOOK 2016-2026

Occupation	Annual Average Wage
Nursing Assistants	\$26,392
Auto Service Technicians & Mechanics	\$43,680
Hairdressers, Hairstylists & Cosmetologists	\$28,183
Firefighters	\$53,480
Medical Records & Health Info. Technicians	\$36,854
Phlebotomists	\$31,782
Computer Network Support Specialists	\$71,936
Architectural & Civil Drafters	\$54,932
Web Developers	\$71,341
Civil Engineering Technician	\$51,654

WESLACO CTE APPRECIATES OUR LOCAL BUSINESS & INDUSTRY PARTNERS AND PROGRAM ADVISORY BOARDS FOR THEIR CONTINUED SUPPORT.

WESLACO ISD CTE VISION

SUCCESS FOR ALL STUDENTS, IN COLLEGE,
IN CURRENT & EMERGING CAREERS, AND IN LIFE!

WESLACO ISD CTE MISSION STATEMENT

EMPOWERING STUDENT SUCCESS FOR POST-SECONDARY EDUCATION, CAREERS, AND LIFE THROUGH RIGOROUS APPLIED
ACADEMICS AND EMPLOYABILITY AND TECHNICAL SKILLS IN ORDER TO LEAD AND COMPETE IN A GLOBAL SOCIETY .

DR. PRISCILLA CANALES
SUPERINTENDENT OF SCHOOLS

WESLACO ISD BOARD OF TRUSTEES

ARMANDO CUELLAR, JR., BOARD PRESIDENT

DR. JAIME RODRIGUEZ, VICE-PRESIDENT

JESSE TREVINO, SECRETARY

ISIDORO NIETO, TRUSTEE

JACLYN SUSTAITA, TRUSTEE

ANDREW GONZALEZ, TRUSTEE

MARCOS DE LOS SANTOS, TRUSTEE

HIGH SCHOOLS

YVETT MORALES, WHS PRINCIPAL

DR. DAVID GAMBOA, WEHS PRINCIPAL

TINA WELLS, SPGHS PRINCIPAL

MARCO ZAMORA, CTE ECHS PRINCIPAL

CAREER & TECHNICAL EDUCATION DEPARTMENT

SANDRA R. AVILA, CTE DIRECTOR

IVANELLE GUERRA, CTE SUPERVISOR

ROSIE C. PEREZ, CAREER DEVELOPMENT ADVISOR

WILLIAM BREWER, CTC

JOE CALVILLO, JR. CAREER & TECHNOLOGY COMPLEX

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