



WEST OSSO INDEPENDENT SCHOOL DISTRICT

BALANCED SCORE CARD

PRIORITY ONE REPORT:

**OVERVIEW OF CTE PATHWAYS & COLLEGE, CAREER, AND MILITARY
SUCCESS (CCMR)**

OCTOBER 28, 2024

RHONDA GARCIA

DIRECTOR OF CURRICULUM & ASSESSMENT

KIM MOORE

SUPERINTENDENT



BUSINESS & INDUSTRY ENDORSEMENT



Career Cluster: Architecture and Construction

Pathway: Carpentry

- Principles of Construction
- Construction Technology I
- Construction Technology II
- Practicum in Construction Technology



Example Postsecondary Opportunities

Apprenticeships

- Carpenter

Associate Degrees

- Construction Management
- Construction Engineering Technology
- Building Construction Technology

Bachelor's Degrees

- Construction Engineering
- Construction Science
- Construction Site Management

Master's, Doctoral, and Professional Degrees

- Construction Engineering Technology
- Construction Engineering
- Construction Management
- Project Management





BUSINESS & INDUSTRY ENDORSEMENT



Career Cluster: Arts, Audio/Video Technology and Communication

Pathway: Graphic Design & Multimedia Arts

- Principles of Arts, A/V Technology and Communications
- Graphic Design and Illustration I
- Graphic Design and Illustration II or 3D Modeling and Animation
- Practicum in Graphic Design and Illustration



Example Postsecondary Opportunities

Associate Degrees

- Graphic Design
- Digital Arts



Bachelor's Degrees

- Web Page, Digital/Multimedia and Information Resources Design
- Design and Visual Communications

Master's, Doctoral, and Professional Degrees

- Game and Interactive Media Design
- Animation, Interactive Technology, Video Graphics, and Special Effects

Additional Stackable IBCs/License

- Certified Textile Designer (CTD)





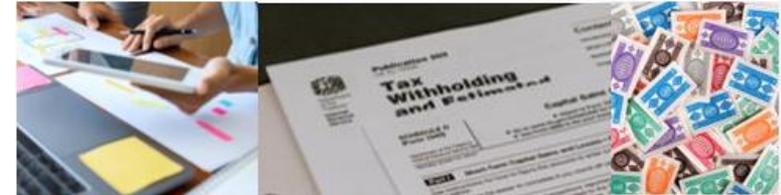
BUSINESS & INDUSTRY ENDORSEMENT



Career Cluster: Business, Marketing and Finance

Pathway: Accounting & Financial Services

- Principles of Business, Marketing & Finance
- Accounting I
- Accounting II
- Practicum in Business Management



Example Postsecondary Opportunities

Associate Degrees

- Accounting
- Bookkeeping

Bachelor's Degrees

- Accounting
- Banking and Financial Support Services

Master's, Doctoral, and Professional Degrees

- Business Administration and Management
- Finance

Additional Stackable IBCs/License

- Project Management Professional
- Property Tax Consultants Service Contract Providers





BUSINESS & INDUSTRY ENDORSEMENT



Career Cluster: Hospitality & Tourism

Pathway: Culinary Arts

- Introduction to Culinary Arts
- Culinary Arts
- Advanced Culinary Arts
- Practicum in Culinary Arts



Example Postsecondary Opportunities

Associate Degrees

- Culinary Arts
- Baking and Pastry Arts



Bachelor's Degrees

- Hotel/Motel Administration/Management
- Culinary Science

Master's, Doctoral, and Professional Degrees

- Organizational Leadership
- Foodservice Systems Administration/Management

Additional Stackable IBCs/License

- Food Manager License



Hospitality and Tourism



BUSINESS & INDUSTRY ENDORSEMENT



Career Cluster: Manufacturing

Pathway: Welding

- Introduction to Welding
- Welding I
- Welding II
- Practicum in Manufacturing



Example Postsecondary Opportunities

Apprenticeships

- Welding

Associate Degrees

- Welding Technology
- Building/Construction Site Management
- Operations Management and Supervision

Bachelor's Degrees

- Welding Technology
- Construction Management
- Project Management
- Building/Construction Site Management

Master's, Doctoral, and Professional Degrees

- Engineering
- Engineering/Industrial Management
- Manufacturing Engineering
- Construction Engineering





PUBLIC SERVICE ENDORSEMENT



Career Cluster: Health Science Pathway: Healthcare Diagnostics

- Principles of Health Science
- Medical Terminology
- Health Science Theory
- Phlebotomy/EKG



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/License

- Registered Diagnostic Medical Sonographer





PUBLIC SERVICE ENDORSEMENT



Career Cluster: Education and Training Pathway: Teaching and Training

- Principles of Education and Training
- Communication and Technology in Education
- Instructional Practices
- Practicum in Education and Training



Example Postsecondary Opportunities

Apprenticeships

- Teacher Apprentice



Associate Degrees

- Adult and Continuing Education and Teaching
- Educational/Instructional Technology

Bachelor's Degrees

- Elementary Education and Teaching
- Secondary Education and Teaching

Master's, Doctoral, and Professional Degrees

- Educational Leadership and Administration, General
- Curriculum and Instruction

Additional Stackable IBCs/License

- Generalist, Grades EC-4



STEM ENDORSEMENT



Career Cluster: STEM

Pathway: Engineering

- Principles of Applied Engineering
- Engineering Design and Presentation I
- Engineering Design and Presentation II
- Scientific Research and Design



Example Postsecondary Opportunities

Apprenticeships

- Industrial Engineering Technician Apprenticeship



Associate Degrees

- Manufacturing Engineering Technology/Technician
- Robotics Technology/Technician

Bachelor's Degrees

- Electrical and Electronics Engineering
- Engineering, General

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Engineering, General

Additional Stackable IBCs/Licensures

- Professional Engineer (PE License)
- Engineer in Training Certification (EIT)



STEM ENDORSEMENT



Career Cluster: STEM

Pathway: Cybersecurity

- Computer Science Essentials
- Computer Science Principles
- Computer Science A
- Cybersecurity



Examples Postsecondary Opportunities

Associate Degrees

- Computer and Information Systems Security
- Computer Programming

Bachelor's Degrees

- Computer Science
- Computer Software Engineering

Master's, Doctoral, and Professional Degrees

- Computer and Information Systems Security/Auditing/Information Assurance
- Computer Software Engineering

Additional Stackable IBCs/License

- Certified Ethical Hacker (CEH)





COLLEGE AND CAREER READINESS

DUAL CREDIT VS. ADVANCED PLACEMENT



DUAL CREDIT VS. AP

Dual Credit	AP Classes
Earn college credit immediately	Must pass test to earn college credit
College credit assured	Colleges have different requirements for scores to earn college credit.
Taught by a college professor	Taught by a High School teacher

Note: college & university set own standards for awarding college credit based on the score earned on the AP exam.



2024 WOHS COLLEGE, CAREER, & MILITARY READINESS



College Ready



Career Ready



Military Ready



CCMR in Accountability

Meets Texas Success Initiative (TSI) Criteria
or
Earns dual course credits
or
Meets criteria on AP/IB exams
or
Earns an associate degree
or
Qualifies for OnRamps course credits

Earns an Industry-based certification (IBC)
or
Graduates with completed IEP and workforce readiness
or
Graduates with an advanced degree plan and received special education services
or
Earns a level I or level II certificate

Enlists in the U.S. Armed Forces
(Not Applicable—Temporarily Suspended)

CCMR in Outcomes Bonuses

Meets TSI Criteria
(college prep courses not applicable)

AND

Enrolls at a postsecondary educational institution immediately following high school
or
Earns an associate degree

Meets TSI Criteria
(college prep courses not applicable)

AND

Earns an IBC
or
Earns a level I or level II certificate

Enlists in the U.S. Armed Forces
(Not Applicable—Temporarily Suspended)

Program Intent Codes - Allotments		LPE	DPE
31.	38-CCMR Outcomes Bonus 48.110 (spend 55% of amount)	\$6,000	\$100,000

LPE is the legislative planning estimate. DPE is the district planning estimate. WOISD is getting \$94,000 more than originally estimated based on CCMR data.



CCMR IN ACCOUNTABILITY RATINGS



CCMR Indicator	CCMR in Accountability
College Ready	Meets Texas Success Initiative (TSI) criteria <i>or</i> Earns dual course credits <i>or</i> Meets criteria on AP/IB exams <i>or</i> Earns an associate degree <i>or</i> Qualifies for OnRamps course credits
Career Ready	Earns an industry-based certification and aligned program of study completer* <i>or</i> Graduates with completed IEP and workforce readiness <i>or</i> Graduates with an advanced diploma plan and received special education services <i>or</i> Earns a level I or level II certificate
Military Ready	Enlists in the U.S. Armed Forces/Texas National Guard <u>Not Applicable for 2019-2022 graduates. 2023 Graduates will be reported for 2024 Accountability</u>





2024 WOHS OUTCOME BONUS MEASURES



Earns an associate degree by August 31st immediately following high school graduation

----- OR-----

Meets ACT, SAT, or TSI college readiness criteria (college prep courses not applicable), *and*

enrolls at a postsecondary educational institution immediately following high school graduation



Meets ACT, SAT, or TSI college readiness criteria (college prep courses not applicable), *and*

Earns an industry-based certification* or earns a level I or level II certificate by August 31st immediately following high school graduation

Enlists in the U.S. Armed Forces/Texas National Guard

[Not Applicable for 2019-2022 graduates. 2023 graduates will be reported for 2024 Outcomes Bonus](#)



THE NAVY'S NEXT FUTURE SAILOR

Navy Talent Acquisition Group San Antonio





HOMETOWN: CORPUS CHRISTI

SCHOOL: WEST OSO

JOINED FROM: CORPUS CHRISTI, TX

RECRUITER: AO2 STEVENS

NAVY JOB/RATE: AIR CREWMAN

WHY I JOINED? I KNOW ILL BE AHEAD IN MANY LIFE ASPECTS.

FUTURE SAILOR
FERNANDO VEGA





COLLEGE AND CAREER READINESS INITIATIVES & ACHIEVEMENTS



Academic Year	Percent of Students Receiving a Point for CCMR	Year Data Reported for Accountability
2019-2020	61.2%	2020-2021
2020-2021	55.5%	2021-2022
2021-2022	46.7%	2022-2023
2022-2023	88.9%*	2023-2024

- Industry Based Certifications
- Business Professional of America
- Technology Student Association
- Health Science
- Summer Internships in Education, Engineering, Technology, and Graphic Design





WEST OSO INDEPENDENT SCHOOL DISTRICT

EXPANDING COLLEGE & CAREER OPPORTUNITIES:

EARLY COLLEGE HIGH SCHOOL & P-TECH 2025-2026

APRIL 28, 2025

RHONDA GARCIA

DIRECTOR OF CURRICULUM, INSTRUCTION & ASSESSMENT

KIM MOORE

SUPERINTENDENT



Admission Criteria

- Grades
- Discipline
- Attendance
- Student desire to work towards completing TSI requirements
- Commitment to attending tutorials, summer bridge program
- Student interest in pursuing dual credit coursework during high school



Criteria for Remaining in Program

- Discipline
- Attendance
- Student desire to work towards completing TSI requirements
- Commitment to attending tutorials, summer bridge program
- Successfully taking and completing dual credit coursework with passing grades in both high school and college courses



EARLY COLLEGE HIGH SCHOOL



- Program needs to be student-centered, meeting the needs of students throughout their high school career.
- All students can be successful with an individualized approach. Advising must consider the student's academic as well as socio-emotional needs.
- Opportunities exist for students to:
 - Complete an Associate's Degree (60 credits)
 - Become Core Complete (42 credits)
 - Successfully complete 3-39 credits



New in 2025~2026

- Students may enter the program when they are ready academically with the maturity to fulfill requirements.
- Current students will be asked to recommit to working towards TSI completion and successful dual credit enrollment.
- Students who choose to not make the commitment may re-enter the program when they demonstrate readiness.



PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOLS (P-TECH)



- Pathways in Technology Early College High Schools (P-TECH) are innovative open-enrollment high schools that allow students least likely to attend college an opportunity to receive both a high school diploma and a credential and/or an associate degree. The hallmark of the P-TECH model is its career focus and the provision of work-based education. P-TECH programs:



PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOLS (P-TECH)



- Enroll historically underserved students, targeting at-risk and economically disadvantaged students
- Provide students grade 9 through 12 the opportunity to complete a course of study that combines high school and post-secondary courses
- Enable students to earn a high school diploma, along with an associate degree, Level 1 or Level 2 certificate, or industry-based certification within six years
- Allow students to gain work experience through an internship, apprenticeship, or other job training program
- Align to regional workforce needs, guiding students into high-demand, high-wage careers
- Partner with Texas Institutions of Higher Education (IHEs) and regional businesses and industries, giving students access to post-secondary education and workforce training opportunities



PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOLS (P-TECH)



P~TECH Programs offered in West Oso ISD

- Health Science
 - Phlebotomy
 - EKG
- Welding
 - Level One Certificate
- Construction
 - NCCER Construction Technology Certification Level I



PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOLS (P-TECH)



- 2024-2025 has been a planning year.
- 2025-2026 will be our first year of implementation. Every school is considered a provisional P-TECH year one.
- Designated P-TECH campuses must meet Outcome Based Measures in Access, Achievement and Attainment,

Attainment Measures

Earn 3 College Credits

50% of students earn 3 college credits (any) by the end of 10th grade

Earn 9 College Credits

40% of students earn 9 college credit by the end of 11th grade

Earn 15 College Credits

40% of students earn 15 college credits (any) by graduation

Earn a Certificate or Associate Degree

30% of students earn an associate degree or Level I or Level II certificate or associate degree by graduation

Earn an Industry- Based Certification (IBC)

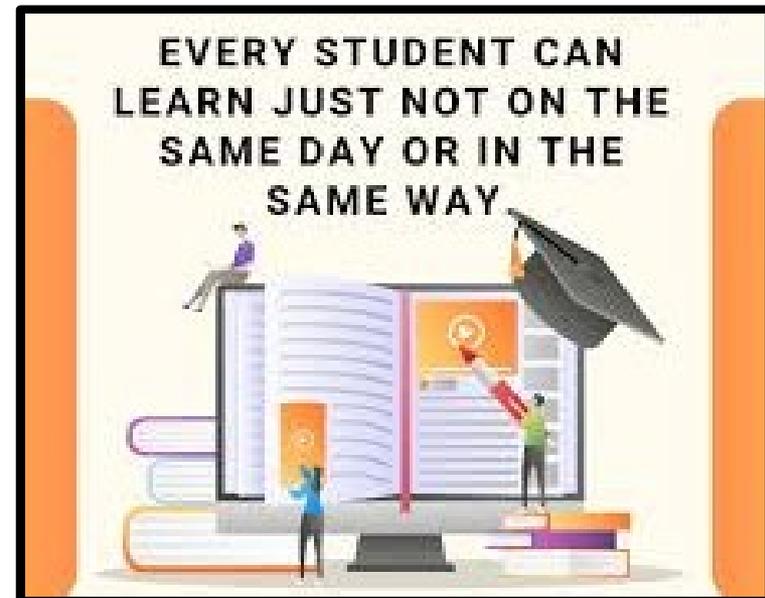
50% of students earn an Industry-Based Certification by graduation

Persistence

75% of students enrolled remain in the P-TECH program through graduation



EXPANDING COLLEGE & CAREER OPPORTUNITIES





Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architect, carpenter, and construction manager to electrician, plumber, and heating, air conditioning, and refrigeration technician.

Statewide Program of Study: *Construction Management and Inspection*

The Construction Management and Inspection program of study focuses on occupational and educational opportunities associated with producing cost estimates for construction projects to support bidding on or determining the price of products or services. The program of study includes inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.



Secondary Courses for High School Credit

- | | |
|----------------|--|
| Level 1 | <ul style="list-style-type: none"> Principles of Construction Principles of Architecture |
| Level 2 | <ul style="list-style-type: none"> Construction Management I Building Maintenance Technology I |
| Level 3 | <ul style="list-style-type: none"> Construction Management II Building Maintenance Technology II |
| Level 4 | <ul style="list-style-type: none"> Practicum in Construction Management Practicum in Construction Management + Extended Practicum in Construction Management Practicum in Construction Technology Practicum in Construction Technology + Extended Practicum in Construction Technology Career Preparation for Programs of Study Career Preparation for Programs of Study + Extended Career Preparation |

Aligned Advanced Academic Courses

Dual Credit	Dual credit offerings will vary by local education agency.
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Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a construction manager to learn how to lead a team and develop a budget
- Participate in a pre-apprenticeship to clean and prepare construction sites by digging trenches and setting up scaffolding

Expanded Learning Opportunities

- Shadow a building inspector or cost estimator
- Participate in SkillsUSA

Aligned Industry-Based Certifications

- Certified Associate in Project Management (CAPM)
- HBI Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- LEED Green Associate
- NCCER Construction Site Safety Technician
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Weatherization Technician Level I
- Residential Plans Examiner - R3



Example Postsecondary Opportunities

Apprenticeships

- Building Inspector

Associate Degrees

- Construction Management
- Construction Engineering Technology
- Building/Property Maintenance
- Building/Construction Site Management

Bachelor's Degrees

- Construction Engineering Technology
- Construction Management
- Building/Property Maintenance

Master's, Doctoral, and Professional Degrees

- Construction Engineering Technology
- Construction Engineering
- Construction Management
- Project Management



Example Aligned Occupations

Construction and Building Inspectors

Median Wage: \$62,251
Annual Openings: 1,585
10-Year Growth: 9%

First-Line Supervisors of Construction Trades and Extraction Workers

Median Wage: \$64,473
Annual Openings: 9,513
10-Year Growth: 23%

Construction Managers

Median Wage: \$95,072
Annual Openings: 6,325
10-Year Growth: 24%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:
<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Architecture and Construction Career Cluster

Statewide Program of Study: Construction Management and Inspection

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Construction* 13004220 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Principles of Architecture* 13004210 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Construction Management I 13004900 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I, Geometry, and Principles of Architecture or Principles of Construction Recommended Corequisites: None	
Building Maintenance Technology I* 13005400 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Architecture or Principles of Construction Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Construction Management II 13005000 (2 credits)	Prerequisites: Construction Management I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Building Maintenance Technology II 13005500 (2 credits)	Prerequisites: Building Maintenance Technology I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

* Indicates course is included in more than one program of study.

For additional information on the **Architecture and Construction** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



Architecture and Construction Career Cluster

Statewide Program of Study: Construction Management and Inspection

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Construction Management First Time Taken: 13006200 (2 credits) Second Time Taken: 13006210 (2 credits)	Prerequisites: Construction Management II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Construction Management + Extended Practicum in Construction Management First Time Taken: 13006205 (3 credits) Second Time Taken: 13006215 (3 credits)	Prerequisites: Construction Management II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Construction Technology* First Time Taken: 13005250 (2 credits) Second Time Taken: 13005260 (2 credits)	Prerequisites: Construction Technology II, Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing Technology I; or Mill and Cabinetmaking Technology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Construction Technology + Extended Practicum in Construction Technology* First Time Taken: 13005255 (3 credits) Second Time Taken: 13005265 (3 credits)	Prerequisites: Construction Technology II, Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing Technology I; or Mill and Cabinetmaking Technology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career Preparation for Programs of Study + Extended Career Preparation* First Time Taken: 12701141 (3 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

* Indicates course is included in more than one program of study.

For additional information on the **Architecture and Construction** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: *Diagnostic and Therapeutic Services*

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Secondary Courses for High School Credit

Level 1	<ul style="list-style-type: none"> Principles of Health Science Principles of Diagnostic Healthcare Principles of Therapeutic Healthcare Principles of Allied Health Introduction to Dental Science Introduction to Imaging Technology Introduction to Pharmacy Science
Level 2	<ul style="list-style-type: none"> Medical Terminology Allied Health Therapeutic Services Dental Anatomy and Physiology Disaster Response Imaging Technology I Pharmacy I
Level 3	<ul style="list-style-type: none"> Anatomy and Physiology Medical Microbiology Medical Assistant Emergency Medical Technician–Basic Clinical Ethics Dental Equipment and Procedures Health Science Theory Health Science Theory + Health Science Clinical Respiratory Therapy I Imaging Technology II Pharmacy II
Level 4	<ul style="list-style-type: none"> Mathematics for Medical Professionals Pathophysiology Pharmacology Respiratory Therapy II Optical Technician Sterile Processing (TBD) Practicum in Health Science Practicum in Health Science + Extended Practicum in Health Science Career Preparation for Programs of Study Career Preparation for Programs of Study + Extended Career Preparation

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology HL	AP Chemistry IB Chemistry SL IB Chemistry HL
Dual Credit	Dual credit offerings will vary by local education agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern with a medical assistant at a community clinic, hospital, assisted living, or long-term care facility Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along or hospital/clinical job
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in Health Occupation Students of America (HOSA) or SkillsUSA Participate in Advanced Medical Ambulance Bus (AMBUS) event or Community Emergency Response Team (CERT) event

Aligned Industry-Based Certifications

- Certified Cardiographic Technician
- Certified Clinical Medical Assistant
- Certified Dental Assistant
- Certified EKG Technician
- Certified Nurse Aide (CNA)
- Certified Occupational Therapy Assistant
- ECG Technician
- Emergency Medical Technician–Basic
- Limited Medical Radiologic Technologist
- Medical Assistant
- Medical Laboratory Assistant
- Medical Laboratory Technician
- Nationally Registered Certified EKG Technician
- Patient Care Technician
- Pharmacy Technician
- Phlebotomy Technician
- Registered Dental Assistant X-Ray Certification
- Emergency Medical Responder
- Certified Respiratory Therapist

Successful completion of the Diagnostic and Therapeutic Services program of study will fulfill requirements of the Public Services endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/License

- Registered Diagnostic Medical Sonographer



Example Aligned Occupations

Medical Assistants

Median Wage: \$36,834
 Annual Openings: 11,638
 10-Year Growth: 29%

Dental Hygienists

Median Wage: \$79,663
 Annual Openings: 1,352
 10-Year Growth: 32%

Physician Assistants

Median Wage: \$127,332
 Annual Openings: 974
 10-Year Growth: 41%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Health Science* 13020200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Principles of Diagnostic Healthcare N1302106 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Principles of Therapeutic Healthcare N1302110 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Biology	
Principles of Allied Health* N1302105 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Dental Science N1302101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Imaging Technology N1302102 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Pharmacy Science N1302103 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Medical Terminology* 13020300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Allied Health Therapeutic Services* N1302120 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Allied Health Recommended Corequisites: None	

Continued on next page

* Indicates course is included in more than one program of study.

For additional information on the **Health Science** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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Diagnostic and Therapeutic Services



Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 2

Course	Prerequisites Corequisites	Career Clusters
Dental Anatomy and Physiology N1302122 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Biology and Introduction to Dental Science Recommended Corequisites: None	
Disaster Response N1303011 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security Recommended Corequisites: None	
Imaging Technology I N1302123 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Introduction to Imaging Technology Recommended Corequisites: None	
Pharmacy I 13021020 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Biology, Introduction to Pharmacy Science, or Principles of Health Science Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Anatomy and Physiology* 13020600 (1 credit)	Prerequisites: One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics Corequisites: None Recommended Prerequisites: A course from the Health Science career cluster Recommended Corequisites: None	
Medical Microbiology* 13020700 (1 credit)	Prerequisites: One credit in Biology, one credit in Chemistry, and at least one credit in a course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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For additional information on the **Health Science** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Medical Assistant 13021015 (1 credit)	Prerequisites: Anatomy and Physiology (may be a corequisite) Corequisites: Anatomy and Physiology (may be a prerequisite) Recommended Prerequisites: Medical Terminology Recommended Corequisites: None	
Emergency Medical Technician–Basic N1303015 (2 credits)	Prerequisites: Biology Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security; and Anatomy and Physiology Recommended Corequisites: None	
Clinical Ethics* N1302121 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Nursing Science and Science of Nursing Recommended Corequisites: None	
Dental Equipment and Procedures N1302130 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Introduction to Dental Science and Dental Anatomy and Physiology Recommended Corequisites: None	
Health Science Theory* 13020400 (1 credit)	Prerequisites: One credit in Biology and at least one credit in a course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Health Science Theory + Health Science Clinical* 13020410 (2 credits)	Prerequisites: One credit in Biology and at least one credit in a course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Respiratory Therapy I 13021120 (1 credit)	Prerequisites: At least one credit in a course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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* Indicates course is included in more than one program of study.

For additional information on the **Health Science** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Imaging Technology II N1302131 (2 credits)	Prerequisites: Imaging Technology I Corequisites: None Recommended Prerequisites: Introduction to Imaging Technology Recommended Corequisites: None	
Pharmacy II 13021030 (2 credits)	Prerequisites: One credit in Biology, one credit in Chemistry, and Pharmacy I Corequisites: None Recommended Prerequisites: Algebra I, Introduction to Pharmacy Science, and Pharmacy I Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Mathematics for Medical Professionals* 13020970 (1 credit)	Prerequisites: Geometry and Algebra II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Pathophysiology* 13020800 (1 credit)	Prerequisites: One credit in Biology, one credit in Chemistry, and at least one credit in a Level 2 or higher course from the Health Science career cluster Corequisites: None Recommended Prerequisites: Anatomy and Physiology Recommended Corequisites: None	
Pharmacology* 13020950 (1 credit)	Prerequisites: One credit in Biology, one credit in Chemistry, and at least one credit in a Level 2 or higher course from the Health Science career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Respiratory Therapy II 13021122 (1 credit)	Prerequisites: Respiratory Therapy I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Optical Technician N1302126 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Biology or Principles of Health Science Recommended Corequisites: None	

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Health Science Career Cluster

Statewide Program of Study: *Diagnostic and Therapeutic Services*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Sterile Processing TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Practicum in Health Science* First Time Taken: 13020500 (2 credits) Second Time Taken: 13020510 (2 credits)	Prerequisites: Health Science Theory and Biology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Health Science + Extended Practicum in Health Science* First Time Taken: 13020505 (3 credits) Second Time Taken: 13020515 (3 credits)	Prerequisites: Health Science Theory and Biology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career Preparation for Programs of Study + Extended Career Preparation* First Time Taken: 12701141 (3 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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Manufacturing Career Cluster

The Manufacturing career cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semi-conductor processing technician.

Statewide Program of Study: Welding

The 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.



Secondary Courses for High School Credit

- | | |
|----------------|---|
| Level 1 | <ul style="list-style-type: none"> Principles of Manufacturing Introduction to Welding |
| Level 2 | <ul style="list-style-type: none"> Introduction to Film Interpretation of Weldments Welding I Occupational Safety and Environmental Technology I Entrepreneurship I |
| Level 3 | <ul style="list-style-type: none"> Welding II Welding II + Welding II Lab |
| Level 4 | <ul style="list-style-type: none"> Practicum in Manufacturing Practicum in Manufacturing + Extended Practicum in Manufacturing Practicum in Entrepreneurship Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship Career Preparation for Programs of Study Career Preparation for Programs of Study + Extended Career Preparation |

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local education agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

- | | |
|--|--|
| Work-Based Learning Activities | <ul style="list-style-type: none"> Job shadow a welder Intern for a local welding company |
| Expanded Learning Opportunities | <ul style="list-style-type: none"> Tour a welding shop Participate in SkillsUSA or TSA Participate in a welding project that benefits the community |

Aligned Industry-Based Certifications

- API 1104 Welding Pipelines and Related Facilities
- AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level I: Entry Welder
- Industrial Technology Maintenance (ITM)
- Maintenance Welding
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Welding Level I
- Welding - Job Ready



Example Postsecondary Opportunities

Apprenticeships

- Welding

Associate Degrees

- Welding Technology
- Building/Construction Site Management
- Operations Management and Supervision

Bachelor's Degrees

- Welding Technology
- Construction Management
- Project Management
- Building/Construction Site Management

Master's, Doctoral, and Professional Degrees

- Engineering
- Engineering/Industrial Management
- Manufacturing Engineering
- Construction Engineering



Example Aligned Occupations

Welders, Cutters, Solderers, and Brazers

Median Wage: \$48,177
Annual Openings: 6,792
10-Year Growth: 23%

First-Line Supervisors of Production and Operating Workers

Median Wage: \$62,584
Annual Openings: 5,926
10-Year Growth: 17%

Industrial Production Managers

Median Wage: \$119,691
Annual Openings: 1,296
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Manufacturing Career Cluster

Statewide Program of Study: Welding

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Manufacturing* 13032200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I or Geometry Recommended Corequisites: None	
Introduction to Welding* 13032250 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	 

Level 2

Course	Prerequisites Corequisites	Career Clusters
Introduction to Film Interpretation of Weldments N1303687 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	
Welding I* 13032300 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I, Principles of Manufacturing, Introduction to Precision Metal Manufacturing, or Introduction to Welding Recommended Corequisites: None	
Occupational Safety and Environmental Technology I* N1303680 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Transportation Systems, Principles of Distribution and Logistics, or Principles of Manufacturing Recommended Corequisites: None	  
Entrepreneurship I 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	         

Level 3

Course	Prerequisites Corequisites	Career Clusters
Welding II 13032400 (2 credits)	Prerequisites: Welding I Corequisites: None Recommended Prerequisites: Algebra I or Geometry Recommended Corequisites: None	

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Manufacturing Career Cluster

Statewide Program of Study: Welding

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Welding II + Welding II Lab 13032410 (3 credits)	Prerequisites: Welding I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Manufacturing* First Time Taken: 13033000 (2 credits) Second Time Taken: 13033010 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Practicum in Manufacturing + Extended Practicum in Manufacturing* First Time Taken: 13033005 (3 credits) Second Time Taken: 13033015 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
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Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
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Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
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Manufacturing Career Cluster

Statewide Program of Study: Welding

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career Preparation for Programs of Study + Extended Career Preparation* First Time Taken: 12701141 (3 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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WEST OSO P-TECH EARLY COLLEGE HIGH SCHOOL

754 FLATO RD. CORPUS CHRISTI, TEXAS 78405

PH. 361-806-5960

FAX 361-806-5961



P-TECH STRATEGIC PRIORITIES FOR 2025-2026

Priority 1: Benchmark 3: Target Population

As a campus we continue to struggle to recruit certain groups of students. This will continue to be a focus for us as a campus because of the desire for the P-TECH Early College campus to accurately reflect the demographics of the district and our community.

Priority 2: Benchmark 4: Academic Infrastructure

We continue to strive for every student to be TSIA complete by the end of their sophomore year in order to meet the OBM of 40% of students meet TSIA criteria in mathematics and ELA/Reading by graduation and for 55% of students meet CTE concentrator or completer status by the end of 11th grade. This will contribute to our success so that we are able to reach every measure for the attainment and achievement OBM's.

Priority 3: Benchmark 5: Student Support

As a campus we will continue to develop and implement interventions for students who are struggling academically, socially and emotionally. This will contribute to our success by supporting struggling students and being able to retain them from grade to grade. Students academic progress will be monitored with formative data that the leadership team will monitor regularly.