



Arts, Audio Visual Technology, and Communication Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: *Digital Communications*

The Digital Communications program of study focuses on occupational 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. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|--|
| 9 th | • Principles of Arts, Audio/Video Technology, and Communications |
| 10 th | • Audio/Video Production I + Audio/Video Production I Lab |
| 11 th | • Audio/Video Production II + Audio/Video Production II Lab |
| 12 th | • Practicum in Audio/Video Production |

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 TitleVI 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.

Aligned Advanced Academic Courses

AP or IB	IB Film SL IB Film 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"> Shadow a sound designer to learn how sound and foley are created for movies or podcasts Intern with a technical director at a sports team, recording studio, or radio station Shadow a technician on a live news broadcast, concert, or other event
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in SkillsUSA or TSA Participate in Student Television Network Capture and edit film and audio for a podcast with a local community organization

Weslaco ISD Aligned Industry-Based Certifications

- | | |
|--|---|
| • Adobe Certified Professional in Digital Video Using Adobe Premiere Pro | • Adobe Certified Professional in Visual Design Using Adobe Photoshop |
| • Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign | • Audio-Visual Communications - Job Ready |
| • Adobe Certified Professional in Visual Design | • Broadcasting and Journalism |
| | • Digital Video Production Foundations |

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Light Technician

Associate Degrees

- Commercial and Advertising Art
- Animation, Interactive Technology, Video Graphics, and Special Effects

Bachelor's Degrees

- Cinematography and Film/Video Production
- Recording Arts Technology

Master's, Doctoral, and Professional Degrees

- Animation, Interactive Technology, Video Graphics, and Special Effects
- Communications Technology

Additional Stackable IBCs/License

- CompTIA Digital Media and Entertainment Professional Certification (DMEP)



Example Aligned Occupations

Camera Operators, Television, Video, and Film

Median Wage: \$48,422
Annual Openings: 155
10-Year Growth: 20%

Audio and Video Technicians

Median Wage: \$46,319
Annual Openings: 626
10-Year Growth: 30%

Producers and Directors

Median Wage: \$65,029
Annual Openings: 522
10-Year Growth: 12%

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>

Arts, Audio Visual Technology, and Communication Career Cluster






Statewide Program of Study: *Digital Communications*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Arts, Audio/Video Technology, and Communications* 13008200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Digital Communications in the 21st Century 03580610 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Professional Communications 13009900 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	   
Web Communications* 03580810 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 

Level 2

Course	Prerequisites Corequisites	Career Clusters
Audio/Video Production I 13008500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: Audio/Video Production I Lab	
Audio/Video Production I + Audio/Video Production I Lab 13008510 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC or Digital Media Recommended Corequisites: None	
Digital Audio Technology I 13009950 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC or Digital Media or both Audio/Video Production I and Audio/Video Production I Lab Recommended Corequisites: None	
Digital Design and Media Production* 13008510 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 

Continued on next page

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

For additional information on the **Arts, Audio Visual Technology and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Digital Communications*

Course Information

Level 2

Course	Prerequisites Corequisites	Career Clusters
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
Audio/Video Production II 13008600 (1 credit)	Prerequisites: Audio/Video Production I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Audio/Video Production II Lab	
Audio/Video Production II + Audio/Video Production II Lab 13008610 (2 credits)	Prerequisites: Audio/Video Production I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Digital Audio Technology II 13009960 (1 credit)	Prerequisites: Digital Audio Technology I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
AI Video Editing TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Practicum in Audio/Video Production First Time Taken: 13008700 (2 credits) Second Time Taken: 13008710 (2 credits)	Prerequisites: Audio/Video Production II and Audio/Video Production II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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




















































For additional information on the **Arts, Audio Visual Technology and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Digital Communications*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Audio/Video Production + Extended Practicum in Audio/Video Production First Time Taken: 13008705 (3 credits) Second Time Taken: 13008715 (3 credits)	Prerequisites: Audio/Video Production II and Audio/Video Production II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Practicum in Digital Audio Technology N1300996 (2 credits)	Prerequisites: Digital Audio Technology I and Digital Audio Technology II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
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	         
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	         
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 **Arts, Audio Visual Technology and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: *Graphic Design and Interactive Media*

The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes 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.



Weslaco ISD

Secondary Courses for High School Credit

Commercial Photography

9 th	• Principles of Arts, Audio/Video Technology, and Communications
10 th	• Commercial Photography I + Commercial Photography I Lab
11 th	• Commercial Photography II + Commercial Photography II Lab
12 th	• Practicum in Commercial Photography

Animation / Video Game

9 th	• Principles of Arts, Audio/Video Technology, and Communications
10 th	• Animation I • Digital Design and Media Production
11 th	• Video Game Design • Game Programming and Design • Digital Art and Animation
12 th	• Animation II or • Game Programming and Design

Journalism/Yearbook

9 th	• Principles of Arts, Audio/Video Technology, and Communications • Digital Media
10 th	• Graphic Design and Illustration I
11 th	• Graphic Design and Illustration II
12 th	• Practicum in Graphic Design and Illustration

Aligned Advanced Academic Courses

AP or IB AP Studio Art: Two-Dimensional Design Portfolio

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

- Shadow an art director at a branding firm or design agency
- Intern in the marketing and communications department of a technology company

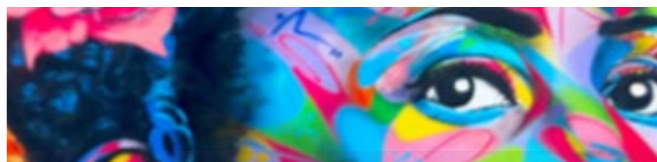
Expanded Learning Opportunities

- Participate in SkillsUSA or TSA
- Participate in Student Television Network
- Join a related co-curricular or extracurricular club such as web development or computer coding

Weslaco ISD Aligned Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Adobe Certified Professional in Visual Effects and Motion Graphics Using Adobe After Effects
- Audio-Visual Communications - Job Ready
- Autodesk Associate (Certified User) 3ds MAX
- C++ Certified Associate Programmer
- Certified Entry-Level Python Programmer (PCEP)
- Certified Professional Photographer
- Certified Professional Programmer
- Certified User: Programmer
- CodeHS Python Level I Certification
- Graphic Production Technology - Job Ready
- Oracle Certified Associate Java SE 8 Programmer

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 TitleVI 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.



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)



Example Aligned Occupations

Software Developers

Median Wage: \$111,705

Annual Openings: 15,324

10-Year Growth: 36%

Graphic Designers

Median Wage: \$50,973

Annual Openings: 1,766

10-Year Growth: 10%

Art Directors

Median Wage: \$81,926

Annual Openings: 619

10-Year Growth: 18%



Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Arts, Audio + Video Technology, and Communications* 13008200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Video Game Design 13009970 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: None	
Digital Media 13027800 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Web Communications* 03580810 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Graphic Design and Illustration I* 13008800 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: Graphic Design and Illustration I Lab	
Graphic Design and Illustration I + Graphic Design and Illustration I Lab* 13008810 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: None	
Animation I 13008300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: Animation I Lab	
Animation I + Animation I Lab 13008310 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: None	

Continued on next page

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

For additional information on the **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 2

Course	Prerequisites Corequisites	Career Clusters
Commercial Photography I 13009100 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Commercial Photography I Lab	
Commercial Photography I + Commercial Photography I Lab 13009110 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Fashion Design I 13009300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: Fashion Design I Lab	
Fashion Design I + Fashion Design I Lab 13009310 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AAVTC Recommended Corequisites: None	
Foundations of User Experience (UX) N1302809 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	  
Video Game Programming N1300994 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Video Game Design Recommended Corequisites: None	
Game Programming and Design 03580380 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Digital Design and Media Production* 03580400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Entrepreneurship I* 13011101 (1credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	         

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









For additional information on the **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Graphic Design and Illustration II 13008900 (1 credit)	Prerequisites: Graphic Design and Illustration I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Graphic Design and Illustration II Lab	
Graphic Design and Illustration II + Graphic Design and Illustration II Lab 13008910 (2 credits)	Prerequisites: Graphic Design and Illustration I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Animation II 13008400 (1 credit)	Prerequisites: Animation I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Animation II Lab	
Animation II + Animation II Lab 13008410 (2 credits)	Prerequisites: Animation I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Commercial Photography II 13009200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Commercial Photography I and Commercial Photography I Lab Recommended Corequisites: Commercial Photography II Lab	
Commercial Photography II + Commercial Photography II Lab 13009210 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Commercial Photography I and Commercial Photography I Lab Recommended Corequisites: None	
Fashion Design II 13009400 (1 credit)	Prerequisites: Fashion Design I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: Fashion Design II Lab	
Fashion Design II + Fashion Design II Lab 13009410 (2 credits)	Prerequisites: Fashion Design I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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








For additional information on the **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster







Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Advanced User Experience Design N1302814 (1 credit)	Prerequisites: Foundations of User Experience (UX) Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Advanced Video Game Programming N1300995 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Video Game Design and Video Game Programming Recommended Corequisites: None	
Digital Art and Animation 03580500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Art I Recommended Corequisites: None	
3-D Modeling and Animation 03580510 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Art I Recommended Corequisites: None	
Web Game Development 03580830 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Web Design Recommended Corequisites: None	 

Level 4

Course	Prerequisites Corequisites	Career Clusters
Virtual Production TBD (TDB credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Independent Study in Technology Applications First Time Taken: 03580900 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	 
Independent Study in Evolving/Emerging Technologies First Time Taken: 03581500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	 
Practicum in Graphic Design and Illustration First Time Taken: 13009000 (2 credits) Second Time Taken: 13009010 (2 credits)	Prerequisites: Graphic Design and Illustration II and Graphic Design and Illustration II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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







For additional information on the **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Graphic Design and Illustration + Extended Practicum in Graphic Design and Illustration First Time Taken: 13009005 (3 credits) Second Time Taken: 13009015 (3 credits)	Prerequisites: Graphic Design and Illustration II and Graphic Design and Illustration II Lab Corequisites: Practicum in Graphic Design and Illustration Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Animation First Time Taken: 13008450 (2 credits) Second Time Taken: 13008460 (2 credits)	Prerequisites: Animation II and Animation II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Animation + Extended Practicum in Animation First Time Taken: 13008455 (3 credits) Second Time Taken: 13008465 (3 credits)	Prerequisites: Animation II and Animation II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Commercial Photography First Time Taken: 13009250 (2 credits) Second Time Taken: 13009260 (2 credits)	Prerequisites: Commercial Photography I and Commercial Photography I Lab along with teacher recommendation Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Commercial Photography + Extended Practicum in Commercial Photography First Time Taken: 13009255 (3 credits) Second Time Taken: 13009265 (3 credits)	Prerequisites: Commercial Photography I and Commercial Photography I Lab along with teacher recommendation Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Fashion Design First Time Taken: 13009500 (2 credits) Second Time Taken: 13009510 (2 credits)	Prerequisites: Fashion Design II and Fashion Design II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

For additional information on the **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



Arts, Audio Visual Technology, and Communication Career Cluster

Statewide Program of Study: *Graphic Design and Interactive Media*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Fashion Design + Extended Practicum in Fashion First Time Taken: 13009505 (3 credits) Second Time Taken: 13009515 (3 credits)	Prerequisites: Fashion Design II and Fashion Design II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
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	
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	
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 **Arts, Audio Visual Technology, and Communication** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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: *Architectural Drafting and Design*

The Architectural Drafting and Design program of study focuses on occupational and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study includes reading, interpreting, and drawing blueprints for interior and exterior construction projects.



Weslaco ISD

Secondary Courses for High School Credit

9 th	N/A
10 th	• Architectural Design I
11 th	• Architectural Design II
12 th	• Practicum in Architectural Design

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.

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"> Intern at an architectural firm to develop CADD drafting and design technology skills Shadow a civil engineer to learn more about their day-to-day responsibilities
Expanded Learning Opportunities	<ul style="list-style-type: none"> Conduct an informational interview with an architect to learn about their role and responsibilities Participate in SkillsUSA or TSA

Weslaco ISD Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- Certified SOLIDWORKS Associate (CSWA) - Academic
- Certified SOLIDWORKS Associate (CSWA) - Electrical
- Certified SOLIDWORKS Associate (CSWA) - Simulation
- Certified SOLIDWORKS Associate (CSWA) - Sustainability
- Certified SOLIDWORKS Professional (CSWP) - Academic
- Certified SOLIDWORKS Professional (CSWP) - Model Based Definition
- Certified SOLIDWORKS Professional (CSWP) - Simulation
- Certified SOLIDWORKS Professional (CSWPA) - Drawing Tools
- LEED Green Associate
- Residential Plans Examiner - R3



Example Postsecondary Opportunities

Apprenticeships

- Drafter



Associate Degrees

- CAD/CADD Drafting and/or Design Technology
- Drafting and Design Technology
- Surveying Technology/Surveying
- Architectural Drafting and Architectural CAD/CADD

Bachelor's Degrees

- Civil Engineering
- Construction Engineering
- Surveying Engineering
- Drafting and Design Technology

Master's, Doctoral, and Professional Degrees

- Civil Engineering
- Geographic Information Science and Cartography
- Construction Engineering Technology



Example Aligned Occupations

Architectural and Civil Drafters

Median Wage: \$57,424
Annual Openings: 1,366
10-Year Growth: 15%

Architects

Median Wage: \$80,903
Annual Openings: 966
10-Year Growth: 18%

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: *Architectural Drafting and Design*

Course Information


Level 1

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

Level 2

Course	Prerequisites Corequisites	Career Clusters
Architectural Design I 13004600 (1 credit)	Prerequisites: Algebra I and English I Corequisites: None Recommend Prerequisites: Geometry, Principles of Architecture, and Principles of Construction Recommended Corequisites: None	
Interior Design I 13004300 (1 credit)	Prerequisites: Algebra I and English I Corequisites: None Recommend Prerequisites: Principles of Architecture and Principles of Construction or Architectural Design I Recommended Corequisites: None	 
Computer Aided Drafting for Architecture N1300429 (1 credit)	Prerequisites: None Corequisites: None Recommend Prerequisites: Architectural Design Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Architectural Design II 13004700 (2 credits)	Prerequisites: Architectural Design I or Advanced Interior Design and Geometry Corequisites: None Recommend Prerequisites: Principles of Architecture and Principles of Construction Recommended Corequisites: None	

Continued on next page

* 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: *Architectural Drafting and Design*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Interior Design II 13004400 (2 credits)	Prerequisites: English II, Geometry, and Interior Design I Corequisites: None Recommend Prerequisites: Principles of Architecture and Principles of Construction or Architectural Design I Recommended Corequisites: None	
Civil Engineering and Architecture (PLTW) N1303747 (1 credit)	Prerequisites: None Corequisites: None Recommend Prerequisites: Introduction to Engineering Design course Recommended Corequisites: Students be concurrently enrolled in college preparatory mathematics and science courses	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Career and Technical Education Project-Based Capstone First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Architectural Design First Time Taken: 13004800 (2 credits) Second Time Taken: 13004810 (2 credits)	Prerequisites: Architectural Design II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Architectural Design + Extended Practicum in Architectural Design First Time Taken: 13004805 (3 credits) Second Time Taken: 13004815 (3 credits)	Prerequisites: Architectural Design II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

* 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: *Architectural Drafting and Design*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Interior Design First Time Taken: 13004500 (2 credits) Second Time Taken: 13004510 (2 credits)	Prerequisites: Interior Design II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Interior Design + Extended Practicum in Interior Design First Time Taken: 13004505 (3 credits) Second Time Taken: 13004515 (3 credits)	Prerequisites: Interior Design 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	

Continued on next page

* 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: *Architectural Drafting and Design*

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 for Programs of Study* 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>



Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Agricultural Technology and Mechanical Systems

The Agricultural Technology and Mechanical Systems program of study focuses on occupational and educational opportunities associated with applying engineering technology and biological science to agricultural problems related to power and machinery, electrification, structures, soil and water use, and processing agricultural products. This program of study includes diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | • Principles of Agriculture, Food, and Natural Resources |
| 10 th | • Agricultural Mechanics and Metal Technologies |
| 11 th | • Agricultural Structures Design and Fabrication |
| 12 th | • Practicum in Agriculture, Food, and Natural Resources
• Scientific Research and Design |

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 TitleVI 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.

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

- Participate in a farm mechanic apprenticeship at an equipment production company
- Intern at an equipment manufacturing facility working with agricultural engineers

Expanded Learning Opportunities

- Participate in an FFA career, leadership, and speaking contest like an agriscience fair
- Participate in an agriculture robotics event

Weslaco ISD Aligned Industry-Based Certifications

- | | |
|--|---|
| • Agriculture Mechanics | • Machining Measurement, Material, and Safety Level I |
| • API 1104 Welding Pipelines and Related Facilities | • NCCER Core |
| • AWS Certified Welder | • NCCER Welding Level I |
| • AWS D1.1 Structural Steel | • Welding - Job Ready |
| • AWS D9.1 Sheet Metal Welding | • Industrial Technology Maintenance (ITM) - Basic Pneumatic Systems |
| • AWS SENSE Level I: Entry Welder | • Industrial Technology Maintenance (ITM) – Maintenance Welding |
| • Feedyard Technician in Machinery Operation, Repair and Maintenance | |



Example Postsecondary Opportunities

Apprenticeships

- Farm Equipment Mechanic I

Associate Degrees

- Diesel Mechanics Technology
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees

- Agricultural Engineering
- Agricultural Systems Management

Master's, Doctoral, and Professional Degrees

- Agricultural Engineering
- Industrial Technology

Additional Stackable IBCs/License

- Diesel Equipment Technology-Off Highway Specialization CER1
- Accredited Farm Manager



Example Aligned Occupations

Farm Equipment Mechanics and Service Technicians

Median Wage: \$46,582

Annual Openings: 326

10-Year Growth: 23%

Mobile Heavy Equipment Mechanics

Median Wage: \$57,943

Annual Openings: 2,637

10-Year Growth: 31%

Farmers, Ranchers, and Other Agricultural Managers

Median Wage: \$65,490

Annual Openings: 28,020

10-Year Growth: 4%

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>



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: Agricultural Technology and Mechanical Systems

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Agriculture, Food, and Natural Resources* 13000200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Agricultural Mechanics and Metal Technologies 13002200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	
Agricultural Mechanics and Metal Technologies + Agricultural Laboratory and Field Experience 13002210 (2 credits)	Prerequisites: None Corequisites: Agricultural Mechanics and Metal Technologies Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Agricultural Structures Design and Fabrication 13002300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Agricultural Mechanics and Metal Technologies Recommended Corequisites: None	
Agricultural Structures Design and Fabrication + Agricultural Laboratory and Field Experience 13002310 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Agricultural Mechanics and Metal Technologies Recommended Corequisites: None	
Agricultural Power Systems 13002400 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	
Agricultural Power Systems + Agricultural Laboratory and Field Experience 13002410 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	

Continued on next page

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

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



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: Agricultural Technology and Mechanical Systems

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Geographic Information Systems (GIS) for Agriculture N1300272 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Advanced Agriculture Power Systems TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Agricultural Equipment Design and Fabrication 13002350 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Agricultural Mechanics and Metal Technologies Recommended Corequisites: None	
Agricultural Equipment Design and Fabrication + Agricultural Laboratory and Field Experience 13002360 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Agricultural Mechanics and Metal Technologies Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002500 (2 credits) Second Time Taken: 13002510 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the AFNR career cluster Recommended Corequisites: None	

Continued on next page

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

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


































Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: Agricultural Technology and Mechanical Systems

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Agriculture, Food, and Natural Resources + Extended Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002505 (3 credits) Second Time Taken: 13002515 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the AFNR career cluster 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	           
Scientific Research and Design* 13037200 (1 credit)	Prerequisites: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	     

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarra@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).



Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: **Animal Science**

The Animal Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of animals and other living organisms. This program of study includes applying 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 will research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | • Principles of Agriculture, Food, and Natural Resources |
| 10 th | • Small Animal Management
• Equine Science |
| 11 th | • Livestock Production |
| 12 th | • Advanced Animal Science
• Scientific Research and Design |

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 TitleVI 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.

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology 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.

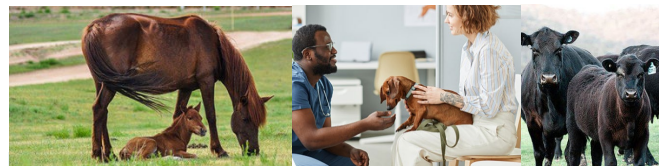
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Shadow an animal scientist in a biology lab to learn about applying science to understand animals and wildlife Intern in a veterinary clinic, caring for animals and wildlife being treated in the clinic
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in an FFA career, leadership, and speaking contest like an agriscience fair Attend an agricultural industry seminar

Weslaco ISD Aligned Industry-Based Certifications

- Agricultural Biotechnology
- AgriLife Veterinary Assistant Certificate
- Certified Veterinary Assistant, Level I
- Elanco Fundamentals of Animal Science Certification**
- Elanco Veterinary Medical Applications Certification
- Equine Management and Evaluation Certification**
- Feedyard Technician in Cattle Care and Handling
- Licensed Veterinary Technician
- Production Agriculture - Job Ready
- Small Animal Science and Technology

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Reproduction Technician

Associate Degrees

- Biological and Physical Sciences
- Entomology

Bachelor's Degrees

- Animal Science
- Zoology/Animal Biology

Master's, Doctoral, and Professional Degrees

- Marine Sciences
- Biotechnology

Additional Stackable IBCs/License

- Veterinarian
- Certified Veterinary Technician



Example Aligned Occupations

Veterinary Assistants and Laboratory Animal Caretakers

Median Wage: \$29,906
Annual Openings: 1,348
10-Year Growth: 24%

Veterinary Technologists and Technicians

Median Wage: \$33,679
Annual Openings: 1,217
10-Year Growth: 24%

Veterinarian

Median Wage: \$103,160
Annual Openings: 347
10-Year Growth: 26%

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>






Agriculture, Food, and Natural Resources Career Cluster













Statewide Program of Study: *Animal Science*

Course Information



Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Agriculture, Food, and Natural Resources* 13000200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Small Animal Management 13000400 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Equine Science 13000500 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None 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
Livestock Production 13000300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Livestock Production + Agricultural Laboratory and Field Experience 13000310 (2 credits)	Prerequisites: None Corequisites: Livestock Production Recommended Prerequisites: None Recommended Corequisites: None	

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarrarodriguez@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Animal Science*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Advanced Animal Science 13000700 (1 credit)	Prerequisites: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production Corequisites: None Recommended Prerequisites: Veterinary Medical Applications Recommended Corequisites: None	
Veterinary Medical Applications 13000600 (1 credit)	Prerequisites: Equine Science, Small Animal Management, or Livestock Production Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Veterinary Medical Applications + Agricultural Laboratory and Field Experience 13000610 (2 credits)	Prerequisites: Equine Science, Small Animal Management, or Livestock Production Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002500 (2 credits) Second Time Taken: 13002510 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the AFNR career cluster Recommended Corequisites: None	
Practicum in Agriculture, Food, and Natural Resources + Extended Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002505 (3 credits) Second Time Taken: 13002515 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the AFNR career cluster Recommended Corequisites: None	

Continued on next page

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

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

















































Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Animal Science*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	         
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	         
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	         
Scientific Research and Design* 13037200 (1 credit)	Prerequisites: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	     

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

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



Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: **Plant Science**

The Plant Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of plants and other living organisms. This program of study includes the application of biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|--|
| 9 th | <ul style="list-style-type: none"> Principles of Agriculture, Food, and Natural Resources |
| 10 th | <ul style="list-style-type: none"> Floral Design |
| 11 th | <ul style="list-style-type: none"> Horticultural Science |
| 12 th | <ul style="list-style-type: none"> Advanced Plant and Soil Science Practicum in Agriculture, Food, and Natural Resources Scientific Research and Design |

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 TitleVI 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.

Aligned Advanced Academic Courses

AP or IB	AP Biology AP Environmental Science 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.

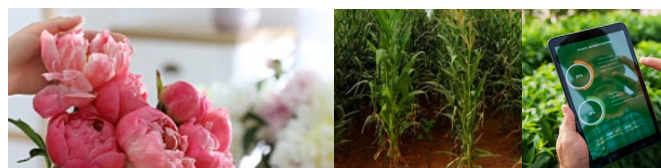
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Work in a part-time job at a landscaping company to learn about production and management of plants. Intern at an agricultural research company, working alongside a biological technician to learn about application of biology to plant production
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in an FFA career, leadership, and speaking contest like an agriscience fair Participate in an industry-related competition like an agriscience fair

Weslaco ISD Aligned Industry-Based Certifications

- | | |
|--|--|
| <ul style="list-style-type: none"> Agricultural Biotechnology BASF Plant Science Certification Commercial/Noncommercial Pesticide Applicator Commercial/Noncommercial Pesticide Applicator "Vegetation Management" License Horticulture - Landscaping - Job Ready Landscape Irrigator Principles of Floral Design Certification | <ul style="list-style-type: none"> Production Agriculture - Job Ready Texas Certified Landscape Associate (TCLA) Texas Certified Nursery Professional Texas State Florists' Association Knowledge Based Floral Certification Texas State Florists' Association Level I Floral Certification Texas State Florists' Association Level II Floral Certification |
|--|--|

Successful completion of the Plant Science program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Horticulturist

Associate Degrees

- Biology/Biological Sciences
- Biological and Physical Sciences

Bachelor's Degrees

- Horticulture
- Plant Pathology/Phytopathology

Master's, Doctoral, and Professional Degrees

- Plant Breeding
- Botany/Plant Biology

Additional Stackable IBCs/License

- Nursery Floral License
- Horticulturist Certification



Example Aligned Occupations

Pesticide Handlers, Sprayers, and Applicators, Vegetation

Median Wage: \$46,153

Annual Openings: 205

10-Year Growth: 17%

Biological Technicians

Median Wage: \$45,787

Annual Openings: 879

10-Year Growth: 14%

Farmers, Ranchers, and Other Agricultural Managers

Median Wage: \$65,490

Annual Openings: 28,020

10-Year Growth: 4%

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>



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Plant Science*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Agriculture, Food, and Natural Resources* 13000200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Landscape Design and Management 13001900 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Turf Grass Management 13001950 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Greenhouse Operation and Production 13002050 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Greenhouse Operation and Production + Agricultural Laboratory and Field Experience 13002060 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None 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
Viticulture N1300265 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of AFNR Recommended Corequisites: None	
<i>Continued on next page</i>		

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

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



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Plant Science*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Horticultural Science 13002000 (1 credit)	Prerequisites: At least one credit in a course from the AFNR career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Horticultural Science + Agricultural Laboratory and Field Experience 13002010 (2 credits)	Prerequisites: At least one credit in a course from the AFNR career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Floral Design 13001800 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Floral Design + Agricultural Laboratory and Field Experience 13001810 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Advanced Plant and Soil Science 13002100 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit in a course from the AFNR career cluster Recommended Corequisites: None	
Advanced Floral Design N1300270 (1 credit)	Prerequisites: Floral Design Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Plant Science*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002500 (2 credits) Second Time Taken: 13002510 (2 credits)	Prerequisites: A minimum of two credits with at least one course in a Level 2 or higher course from the AFNR career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Agriculture, Food, and Natural Resources + Extended Practicum in Agriculture, Food, and Natural Resources* First Time Taken: 13002505 (3 credits) Second Time Taken: 13002515 (3 credits)	Prerequisites: A minimum of two credits with at least one course in a Level 2 or higher course from the AFNR career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study 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	

Continued on next page

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

For additional information on the **Agriculture, Food, and Natural Resources** career cluster,

contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarrarodriguez@wisd.us. Further nondiscrimination information can be found [Notification of Nondiscrimination in Career and Technical Education Programs](#).



Agriculture, Food, and Natural Resources Career Cluster

Statewide Program of Study: *Plant Science*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Scientific Research and Design* 13037200 (1 credit)	Prerequisites: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

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



Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance career cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Statewide Program of Study: **Accounting and Financial Services**

The Accounting and Financial Services program of study focuses on occupational and educational opportunities associated with examining, analyzing, and interpreting financial records. It includes exploration of financial services, preparing financial statements, auditing financial statements prepared by others, and interpreting accounting records. This program of study also introduces students to mathematical modeling tools.



Weslaco ISD Secondary Courses for High School Credit

9th	• Principles of Business, Marketing, and Finance
10th	• Business Information Management I
11 th	• Accounting I • Financial Mathematics
12 th	• Accounting II

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.

Aligned Advanced Academic Courses

AP or IB	IB Mathematics Analysis and Approaches SL IB Mathematics Analysis and Approaches HL
Dual Credit	Dual credit offerings will vary by local educational agency.

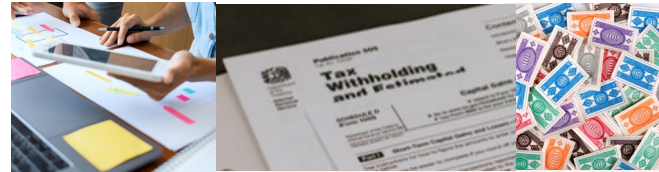
Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> • Intern with a certified public accountant (CPA) at a local business • Intern with a city or county auditor's office • Shadow a financial advisor as an intern at an investment company
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Participate in BPA, DECA, or FBLA • Explore student membership in professional organizations such as AICPA, CIMA, or TXCPA

Weslaco ISD Aligned Industry-Based Certifications

- Accounting – Basic
- Accounting Foundations
- Certified Insurance Service Representative
- **Intuit QuickBooks Certified User**
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist: Microsoft Access Expert (Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel 2019)
- Volunteer Income Tax Assistance/Tax Counseling Certification: Advanced
- **Volunteer Income Tax Assistance/Tax Counseling Certification: Basic**
- Volunteer Income Tax Assistance/Tax Counseling Certification: Volunteer for Elderly



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



Example Aligned Occupations

Tax Preparers

Median Wage: \$56,956
Annual Openings: 898
10-Year Growth: 14%

Accountants and Auditors

Median Wage: \$78,022
Annual Openings: 12,989
10-Year Growth: 20%

Personal Financial Advisors

Median Wage: \$77,605
Annual Openings: 1,877
10-Year Growth: 21%

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>










Business, Marketing, and Finance Career Cluster


Statewide Program of Study: Accounting and Financial Services

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Business, Marketing, and Finance* 13011200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Business Information Management I* 13011400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	 
Business Information Management I + Business Lab* 13011410 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Money Matters 13016200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Accounting I 13016600 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	
Banking and Financial Services 13016300 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	
Financial Mathematics* 13018000 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	         

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

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



Business, Marketing, and Finance Career Cluster

Statewide Program of Study: Accounting and Financial Services

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Accounting II 13016700 (1 credit)	Prerequisites: Accounting I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Insurance Operations* 13016500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	
Financial Analysis* 13016800 (1 credit)	Prerequisites: Accounting I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Securities and Investments 13016400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	
Practicum in Business Management* First Time Taken: 13012200 (2 credits) Second Time Taken: 13012210 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Touch System Data Entry and Business Management or Business Information Management II Recommended Corequisites: None	
Practicum in Business Management + Extended Practicum in Business Management* First Time Taken: 13012205 (3 credits) Second Time Taken: 13012215 (3 credits)	Prerequisites: None Corequisites: Practicum in Business Management Recommended Prerequisites: Touch System Data Entry and Business Management or Business Information Management II Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	

Continued on next page

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

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



Business, Marketing, and Finance Career Cluster

Statewide Program of Study: *Accounting and Financial Services*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study 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 **Business, Marketing, and Finance** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance career cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Statewide Program of Study: **Business Management**

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | • Principles of Business, Marketing, and Finance |
| 10 th | • Business Information Management I |
| 11 th | • Business Information Management II or Business Management |
| 12 th | • Practicum in Business Management |

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 TitleVI 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.

Aligned Advanced Academic Courses

AP or IB	AP Microeconomics AP Statistics IB Economics SL IB Economics 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.

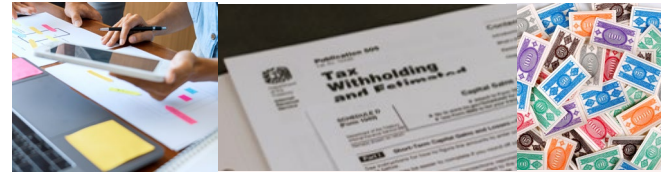
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> • Intern at local business in the HR department • Shadow the COO of a local business or chamber of commerce
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Participate in BPA, DECA, FBLA, or related UIL events • Explore student membership in related professional organizations

Weslaco ISD Aligned Industry-Based Certifications

- | | |
|--|--|
| <ul style="list-style-type: none"> • Administrative Assisting • Certified Associate in Project Management (CAPM) • Entrepreneurship and Small Business • General Management • MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps • Microsoft Office Specialist 2016 Master • Microsoft Office Specialist: Microsoft Access Expert (Access 2019) | <ul style="list-style-type: none"> • Microsoft Office Specialist: Microsoft Excel Expert (Excel 2019) • Microsoft Office Specialist: Microsoft Word Expert (Word 2019) • Project Management Institute (PMI) Project Management Ready • Business of Retail: Certified Specialist • Customer Service and Sales: Certified Specialist • Student Social Media Marketing Certification |
|--|--|

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Associate Degrees

- Business Administration and Management
- Human Resources Management

Bachelor's Degrees

- Business Analytics
- Accounting and Business

Master's, Doctoral, and Professional Degrees

- Business Administration and Management
- Organizational Leadership

Additional Stackable IBCs/License

- Professional Certificate in Team Leadership
- Property Tax Professionals



Example Aligned Occupations

First-Line Supervisors of Administrative Support Workers

Median Wage: \$59,585
Annual Openings: 13,885
10-Year Growth: 9%

Human Resources Specialists

Median Wage: \$61,278
Annual Openings: 6,239
10-Year Growth: 23%

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

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>









Business, Marketing, and Finance Career Cluster







Statewide Program of Study: *Business Management*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Business, Marketing, and Finance* 13011200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Business Information Management I* 13011400 (1 credit)	Prerequisites: None Corequisites: Business Information Management Lab Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	 
Business Information Management I + Business Lab* 13011410 (2 credits)	Prerequisites: None Corequisites: Business Information Management Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	 

Level 2

Course	Prerequisites Corequisites	Career Clusters
Virtual Business* 13012000 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	
Business Law* 13011700 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Business Information Management II 13011500 (1 credit)	Prerequisites: Business Information Management I Corequisites: None Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	
Business Information Management II + Business Lab 13011510 (2 credits)	Prerequisites: Business Information Management I Corequisites: None Recommended Prerequisites: Touch System Data Entry Recommended Corequisites: None	
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing, and Finance Recommended Corequisites: None	

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

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








Business, Marketing, and Finance Career Cluster














Statewide Program of Study: *Business Management*

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Business Management 13012100 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Global Business 13011800 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Human Resources Management* 13011900 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Statistics and Business Decision Making* 13016900 (1 credit)	Prerequisites: Algebra II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Business Management* First Time Taken: 13012200 (2 credits) Second Time Taken: 13012210 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Touch System Data Entry and Business Management or Business Information Management II Recommended Corequisites: None	
Practicum in Business Management + Extended Practicum in Business Management* First Time Taken: 13012205 (3 credits) Second Time Taken: 13012215 (3 credits)	Prerequisites: None Corequisites: Practicum in Business Management Recommended Prerequisites: Touch System Data Entry and Business Management or Business Information Management II Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	         

Continued on next page

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, jdybarra@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)



Business, Marketing, and Finance Career Cluster

Statewide Program of Study: *Business Management*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study 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 **Business, Marketing, and Finance** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: Engineering Foundations

The Engineering Foundations program of study focuses on occupational and educational opportunities associated with a wide range of skills applied in the Engineering industry. Students will design, test, and evaluate projects related to engines, machines, and structures. This program of study includes applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.



Weslaco ISD

Secondary Courses for High School Credit

9 th	N/A
10 th	Principles of Applied Engineering
11 th	Engineering Design and Presentation I / Engineering Design and Problem Solving
12 th	Engineering Design and Presentation II or Scientific Research and Design

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.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB	AP Physics 1	IB Physics SL
	AP Computer Science A	AP Physics 2	IB Physics HL
		AP Statistics	IB Computer Science SL
			IB Computer Science HL

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

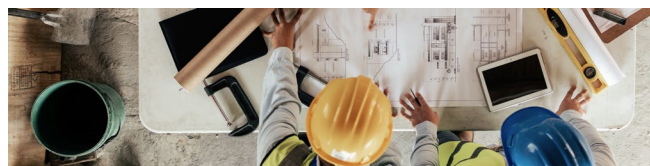
Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at an engineering, robotics, or aerospace company. Visit an engineering firm and shadow multiple types of engineers.
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in SkillsUSA or TSA Join a local engineering association and attend meetings.

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Inventor for Mechanical Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- C-103 Certified Industry 4.0 Associate – Robot System Operations
- Certified SOLIDWORKS Associate (CSWA) – Academic**
- Certified SOLIDWORKS Associate (CSWA) – Electrical
- Certified SOLIDWORKS Associate (CSWA) – Mechanical Design
- Certified SOLIDWORKS Associate (CSWA) – Simulation
- Certified SOLIDWORKS Associate (CSWA) – Sustainability
- Certified SOLIDWORKS (CSWP) – Academic
- Certified SOLIDWORKS Professional (CSWP) – Mechanical Design
- Certified SOLIDWORKS Professional (CSWP) – Model Based Definition
- Certified SOLIDWORKS Professional (CSWP) – Simulation
- Certified SOLIDWORKS Professional (CSWPA) – Drawing Tools
- Engineering Technology Foundations
- Pre-Engineering/Engineering Technology – Job Ready
- FANUC Robot Operator 1
- Certified Logistics Technician (CLT)
- Certified Production Technician (CPT) 4.0
- Lean Six Sigma Green Belt Certification



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)



Example Aligned Occupations

Civil Engineering Technologists and Technicians

Median Wage: \$61,138

Annual Openings: 765

10-Year Growth: 11%

Aerospace Engineers

Median Wage: \$115,694

Annual Openings: 483

10-Year Growth: 18%

Mechanical Engineers

Median Wage: \$99,937

Annual Openings: 1,755

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>

Engineering Career Cluster






Statewide Program of Study: Engineering Foundations

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Applied Engineering* 13036200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	  
Principles of Technology* 13037100 (1 credit)	Prerequisites: One credit of high school science and Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Computer-Aided Design and Drafting* 13037350 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Applied Engineering, Principles of Architecture and Design, or Principles of Manufacturing. Recommended Corequisites: None	
Introduction to Engineering Design (PLTW)* N1303742 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Engineering Essentials (PLTW)* N1303760 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Intermediate Computer-Aided Design and Drafting* 13037360 (1 credit)	Prerequisites: Architectural Design I, Introduction to Computer-Aided Design and Drafting, or Engineering Design and Presentation I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Manufacturing Engineering Technology I* 13032900 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	 
Robotics I* 13037000 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Applied Engineering Recommended Corequisites: None	 

Continued on next page

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



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

Engineering Career Cluster










Statewide Program of Study: Engineering Foundations

Course Information

Level 2

Course	Prerequisites Corequisites	Career Clusters
Construction Engineering TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Engineering Design Process TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Engineering Design and Presentation I* 13036500 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: Principles of Applied Engineering Recommended Corequisites: None	 
Robotics II* 13037050 (1 credit)	Prerequisites: Robotics I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Engineering Mathematics* 13036700 (1 credit)	Prerequisites: Algebra II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Engineering Science* 13037500 (1 credit)	Prerequisites: Algebra I, one credit in Biology, and at least one credit in a course from the STEM career cluster Corequisites: None Recommended Prerequisites: Geometry, Integrated Physics and Chemistry (IPC), one credit in chemistry, or one credit in physics Recommended Corequisites: None	
Digital Electronics* 13037600 (1 credit)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	  

Continued on next page

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










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

Engineering Career Cluster

Statewide Program of Study: Engineering Foundations

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Aerospace Engineering (PLTW)* N1303745 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least one credit in a Level 2 or higher course in Engineering Recommended Corequisites: None	
Environmental Sustainability (PLTW) N1303746 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least one credit in a Level 2 or higher course in engineering or renewable energy Recommended Corequisites: None	
Civil Engineering and Architecture (PLTW)* N1303747 (1 credit)	Prerequisites: None Corequisites: College Prep Math and Science Recommended Prerequisites: Introduction to Engineering Design Recommended Corequisites: None	
Computer Integrated Manufacturing (PLTW)* N1303748 (1 credit)	Prerequisites: None Corequisites: College Prep Math and Science Recommended Prerequisites: Introduction to Engineering Design Recommended Corequisites: None	
Engineering Design and Development (PLTW)* N1303749 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least two courses in engineering with at least one being a Level 2 or higher course Recommended Corequisites: None	
Introduction to Fluids TBD (credit TBD)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: None	
Introduction to Mechanics of Materials TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: None	
Introduction to Statics TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Programming for Engineers* TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	

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



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

Engineering Career Cluster

Statewide Program of Study: Engineering Foundations

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Engineering Design and Presentation II* 13036600 (2 credits)	Prerequisites: Principles of Applied Engineering or Engineering Design and Presentation I, Algebra I, and Geometry Corequisites: None Recommended Prerequisites: Principles of Applied Engineering or Engineering Design and Presentation I Recommended Corequisites: None	
Engineering Design and Problem Solving* 13037300 (1 credit)	Prerequisites: Algebra I, Geometry, and at least one credit in a Level 2 or higher course in the STEM career cluster Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037400 (2 credits) Second Time Taken: 13037410 (2 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics + Extended Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037405 (3 credits) Second Time Taken: 13037415 (3 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Engineering* TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	

Continued on next page

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

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

Engineering Career Cluster

Statewide Program of Study: Engineering Foundations

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	
Scientific Research and Design* 13037200 (1 credit)	Prerequisites: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

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



Education and Training Career Cluster

The Education and Training career cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster. This career cluster includes a diverse spectrum of occupations, ranging from teaching assistant, classroom teacher, to school administrator.

Statewide Program of Study: Teaching and Training

The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.



Weslaco ISD Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | <ul style="list-style-type: none"> Principles of Education and Training or Principles of Human Services |
| 10 th | <ul style="list-style-type: none"> Human Growth and Development or Child Development |
| 11 th | <ul style="list-style-type: none"> Instructional Practices |
| 12 th | <ul style="list-style-type: none"> Practicum in Education and Training |

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.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local educational 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

- Serve as a camp counselor to learn mentoring, facilitation, and lesson planning skills
- Volunteer in a tutoring center to learn lesson planning and skills assessment

Expanded Learning Opportunities

- Participate in FCCLA
- Participate in TAFE

Aligned Industry-Based Certifications

- Educational Aide I



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



Example Aligned Occupations

Teaching Assistants, Except Postsecondary

Median Wage: \$28,066
Annual Openings: 10,000
10-Year Growth: 15%

Secondary School Teachers, Except Special Education and CTE

Median Wage: \$61,035
Annual Openings: 8,288
10-Year Growth: 14%

Education Administrators, Kindergarten through Secondary

Median Wage: \$81,976
Annual Openings: 2,676
10-Year Growth: 14%

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>



Education and Training Career Cluster

Statewide Program of Study: Teaching and Training

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Education and Training* 13014200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Principles of Human Services* 13024200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Communication and Technology in Education 13014310 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Education and Training Recommended Corequisites: None	
Human Growth and Development 13014300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Education and Training Recommended Corequisites: None	
Child Development* 13024700 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services or Principles of Education and Training Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Instructional Practices 13014400 (2 credits)	Prerequisites: One credit from Education and Training career cluster Corequisites: None Recommended Prerequisites: Principles of Education and Training, Human Growth and Development, or Child Development Recommended Corequisites: None	

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

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



Education and Training Career Cluster

Statewide Program of Study: Teaching and Training

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Education and Training First Time Taken: 13014500 (2 credits) Second Time Taken: 13014510 (2 credits)	Prerequisites: Instructional Practices Corequisites: None Recommended Prerequisites: Principles of Education and Training, Human Growth and Development, and Child Development Recommended Corequisites: None	
Practicum in Education and Training + Extended Practicum in Education and Training First Time Taken: 13014505 (3 credits) Second Time Taken: 13014515 (3 credits)	Prerequisites: Instructional Practices Corequisites: Practicum in Education and Training Recommended Prerequisites: Principles of Education and Training and Human Growth and Development 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 for Programs of Study* 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 **Education and Training** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



Human Services Career Cluster

The Human Services career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs, such as counseling and mental health services, family and community services, personal care services, and consumer services. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Regional Program of Study: Cosmetology and Personal Care Services

Approved in ESC Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, & 20

**The list of approved ESC regions is updated every school year. Be sure to check the CTE regional program of study website for updates.*

The Cosmetology and Personal Care Services regional program of study focuses on occupational and educational opportunities associated with providing beauty and personal care services. This program of study includes managing personal care facilities and coordinating or supervising personal service workers.



Weslaco ISD

Secondary Courses for High School Credit

9th • N/A

10th • N/A

11th • **Principles of Cosmetology Design and Color Theory and Cosmetology I**

12th • **Cosmetology II + Cosmetology II Lab**

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.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local educational 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

- Work part-time in a salon, spa, or barbershop
- Participate in an apprenticeship at a salon to become an apprentice stylist

Expanded Learning Opportunities

- Tour a salon, spa, or barbershop
- Participate in SkillsUSA

Weslaco ISD Aligned Industry-Based Certifications

- Barber Operator License
- Cosmetology Esthetician License
- Cosmetology Manicurist License
- **Cosmetology Operator License**



Example Postsecondary Opportunities

Apprenticeships

- Apprentice Stylist

Associate Degrees

- Cosmetology Operator
- Esthetics and Skin Care

Additional Stackable IBCs/License

- Class A Barber
- Eyelash Extension Specialist
- Hair Weaving Specialist



Example Aligned Occupations

Hairdressers, Hairstylists, and Cosmetologists

Median Wage: \$27,286
Annual Openings: 8,014
10-Year Growth: 25%

Skincare Specialists

Median Wage: \$35,112
Annual Openings: 778
10-Year Growth: 38%

First-Line Supervisors of Personal Service Workers

Median Wage: \$36,795
Annual Openings: 2,253
10-Year Growth: 29%

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>



Human Services Career Cluster

Regional Program of Study: Cosmetology and Personal Care Services

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Cosmetology Design and Color Theory 13025050 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services Recommended Corequisites: None	
Microbiology and Safety for Cosmetology Careers N1302540 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Introduction to Cosmetology 13025100 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Nail Care, Enhancements, and Spa Services N1302531 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Esthetics N1302533 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Cosmetology I 13025200 (2 credits)	Prerequisites: None Corequisites: Cosmetology I Lab Recommended Prerequisites: Introduction to Cosmetology Recommended Corequisites: None	
Cosmetology I + Cosmetology I Lab 13025210 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Introduction to Cosmetology Recommended Corequisites: None	
Barbering I N1302534 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

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



Human Services Career Cluster

Regional Program of Study: Cosmetology and Personal Care Services

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Cosmetology II 13025300 (2 credits)	Prerequisites: Cosmetology I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Cosmetology II + Cosmetology II Lab 13025310 (3 credits)	Prerequisites: Cosmetology I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Barbering II N1302535 (3 credits)	Prerequisites: Barbering I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE program of study 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 program of study Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

For additional information on the **Human Services** 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.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | • Principles of Health Science |
| <hr/> | |
| 10 th | • Health Science Theory |
| <hr/> | |
| 11 th | • Practicum in Health Science I (1 st time taken) – Clinical Rotations OR
• Medical Terminology or
• Anatomy and Physiology or
• Medical Microbiology |
| <hr/> | |
| 12 th | • Pathophysiology AND
• Practicum in Health Science II – Pharmacy Technician OR
• Practicum in Health Science II – C. N. A. – Certified Nurse Aide OR
• Practicum in Health Science II – EKG/Patient Care Technician |

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 TitleVI 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.

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.	

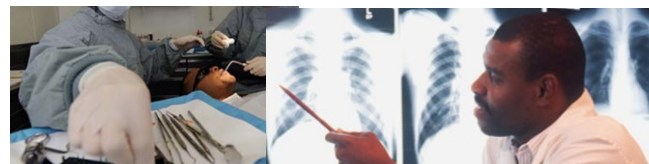
Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the *Secondary Courses for High School Credit* section of this framework document do not count towards concentrator/completer status for this program of study.

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

- | | |
|--|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 |
|--|---|



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>



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

* 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>



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	

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>



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	

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>



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	

* 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>



Human Services Career Cluster

The Human Services career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs, such as counseling and mental health services, family and community services, personal care services, and consumer services. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Statewide Program of Study: *Family and Community Services*

The Family and Community Services program of study focuses on occupational and educational opportunities associated with social services, including child and human development and consumer sciences. This program of study includes managing social and community services, managing family and consumer sciences, and understanding career paths in social work or therapy for children, families, or school communities.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|---|
| 9 th | <ul style="list-style-type: none"> Principles of Human Services or Professional Communications |
| 10 th | <ul style="list-style-type: none"> Child Development |
| 11 th | <ul style="list-style-type: none"> Human Growth and Development or Dollars and Sense AND Lifetime Nutrition and Wellness OR Professional Communications |
| 12 th | <ul style="list-style-type: none"> Family and Community Services |

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.

Aligned Advanced Academic Courses

Dual Credit	Dual credit offerings will vary by local educational 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

- Participate in a community health worker apprenticeship at a community health center
- Shadow a social worker in a community non-profit organization to learn about providing social and community services

Expanded Learning Opportunities

- Participate in FCCLA

Weslaco ISD Aligned Industry-Based Certifications

- Child Development Associate (CDA)
- Community Health Worker



Example Postsecondary Opportunities

Apprenticeships

- Community Health Worker Apprentice

Associate Degrees

- Social Work
- Human Development and Family Studies

Bachelor's Degrees

- Social Work
- Human Development and Family Studies

Master's, Doctoral, and Professional Degrees

- Mental Health Counseling
- Marriage and Family Therapy

Additional Stackable IBCs/License

- Certified Diabetes Educator



Example Aligned Occupations

Community Health Workers

Median Wage: \$39,520
Annual Openings: 501
10-Year Growth: 25%

Social and Human Service Assistants

Median Wage: \$38,442
Annual Openings: 3,298
10-Year Growth: 21%

Child, Family, and School Social Workers

Median Wage: \$49,398
Annual Openings: 2,342
10-Year Growth: 14%

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>











Human Services Career Cluster




Statewide Program of Study: *Family and Community Services*

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Human Services* 13024200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Principles of Community Services* N1302542 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 
Professional Communications 13009900 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	   
Dollars and Sense* 13024300 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Human Growth and Development* 13014300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Education and Training or Principles of Human Services Recommended Corequisites: None	 
Child Development* 13024700 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Education and Training or Principles of Human Services Recommended Corequisites: None	 
Child Development Associate (CDA) Foundations N1300500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services or Principles of Education and Training Recommended Corequisites: None	 
Lifetime Nutrition and Wellness* 13024500 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science Recommended Corequisites: None	 

Continued on next page

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

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










Human Services Career Cluster




Statewide Program of Study: *Family and Community Services*

Course Information











Level 2

Course	Prerequisites Corequisites	Career Clusters
Interpersonal Studies* 13024400 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services, Principles of Hospitality and Tourism, Principles of Health Science, or Principles of Education and Training Recommended Corequisites: None	 
Social and Community Services N1302543 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Community Services 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
Family and Community Services* 13024900 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services Recommended Corequisites: None	
Counseling and Mental Health* 13024600 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services Recommended Corequisites: None	 

Level 4

Course	Prerequisites Corequisites	Career Clusters
Career and Technical Education Project-Based Capstone First-Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	         
<i>Continued on next page</i>		

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

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



Human Services Career Cluster

Statewide Program of Study: *Family and Community Services*

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Human Services* First Time Taken: 13025000 (2 credits) Second Time Taken: 13025010 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Human Services + Extended Practicum in Human Services* First Time Taken: 13025005 (3 credits) Second Time Taken: 13025015 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE program of study 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 program of study Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

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



Hospitality and Tourism Career Cluster

The Hospitality and Tourism career cluster focuses on the management, marketing, and operations of restaurants, lodging, attractions, recreation events, and travel-related services. This career cluster includes occupations ranging from reservation and transportation ticket agent to event planner and general manager.

Statewide Program of Study: Culinary Arts

The Culinary Arts program of study focuses on occupational and educational opportunities associated with the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study includes opportunities involved in directing and participating in the preparation of food.



Weslaco ISD Secondary Courses for High School Credit

9th • Introduction to Culinary Arts

10th • Culinary Arts

11th • Advanced Culinary Arts

12th • Practicum in Culinary Arts

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.

Aligned Advanced Academic Courses

AP or IB	AP Chemistry IB Chemistry SL
Dual Credit	Dual credit offerings will vary by local educational 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"> Shadow a director of a non-profit that produces and delivers food for communities in need Intern at a catering company and learn about food production for large-scale events Work part-time in a restaurant as a line cook or chef
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in FCCLA Participate in SkillsUSA Participate in American Culinary Association or the Texas Restaurant Association

Aligned Industry-Based Certifications

- Certified Fundamentals Cook
- Certified Fundamentals Pastry Cook
- Hospitality and Tourism Specialist
- Commercial Foods
- Culinary Meat Selection and Cookery Certification
- Food Protection Manager Certification
- Food Safety and Science Certification
- ManageFirst Professional
- Pre-Professional Certification in Culinary Arts
- Pre-Professional Certification in Food Science

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry endorsement.



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



Example Aligned Occupations

Bakers

Median Wage: \$29,466
Annual Openings: 2,942
10-Year Growth: 26%

Chefs and Head Cooks

Median Wage: \$44,761
Annual Openings: 950
10-Year Growth: 37%

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

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>



Hospitality and Tourism Career Cluster

Statewide Program of Study: Culinary Arts

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Hospitality and Tourism* 13022200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Culinary Arts* 13022550 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Hospitality and Tourism Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Culinary Arts 13022600 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Hospitality and Tourism and Introduction to Culinary Arts Recommended Corequisites: None	
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing and Finance Recommended Corequisites: None	
Food Technology and Safety 13001300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Foundations of Restaurant Management* N1302268 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Hospitality and Tourism Recommended Corequisites: None	

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

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



Hospitality and Tourism Career Cluster

Statewide Program of Study: Culinary Arts

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Advanced Culinary Arts 13022650 (2 credits)	Prerequisites: Culinary Arts Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Introduction to Event and Meeting Planning* N1302269 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Tourism Marketing Concepts and Applications* N1302270 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Hospitality and Tourism Recommended Corequisites: None	
Food Processing 13001400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Food Processing + Agricultural Laboratory and Field Experience 13001410 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Food Technology and Safety Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Food Science 13023000 (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 Hospitality and Tourism career cluster Corequisites: None Recommended Prerequisites: Principles of Hospitality and Tourism Recommended Corequisites: None	
Practicum in Culinary Arts First Time Taken: 13022700 (2 credits) Second Time Taken: 13022710 (2 credits)	Prerequisites: Culinary Arts Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Hospitality and Tourism Career Cluster

Statewide Program of Study: Culinary Arts

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Culinary Arts + Extended Practicum in Culinary Arts First Time Taken: 13022705 (3 credits) Second Time Taken: 13022715 (3 credits)	Prerequisites: Culinary Arts Corequisites: Practicum in Culinary Arts Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Event and Meeting Planning* N1302275 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Introduction to Event Meeting and Planning and Hospitality Services Recommended Corequisites: None	
Practicum in Hospitality Services* First Time Taken 13022900 (2 credits) Second Time Taken 13022910 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Hospitality Services Recommended Corequisites: None	
Practicum in Hospitality Services + Extended Practicum in Hospitality Services* First Time Taken: 13022905 (3 credits) Second Time Taken: 13022915 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Hospitality Services Recommended Corequisites: None	
Practicum in Entrepreneurship* 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or at least two courses in a CTE program of study Recommended Corequisites: None	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or at least two courses in a CTE program of study Recommended Corequisites: None	

Continued on next page

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

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





Hospitality and Tourism Career Cluster

Statewide Program of Study: Culinary Arts

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	

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

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



Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: Cybersecurity

The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.



Weslaco ISD

Secondary Courses for High School Credit

9th • **Principles of Information Technology**

10th • **Foundations of Cybersecurity**

11th • **Networking + Networking Lab**

12th • **Practicum in Information Technology**

Aligned Advanced Academic Courses

AP or IB AP Computer Science Principles
AP Computer Science A

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

- Intern at a local bank, hospital, or government office to develop skills in implementing security measures
- Interview with an information security analyst to learn how they plan for, monitor, and upgrade security measures at their organization

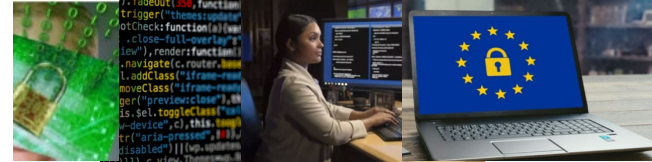
Expanded Learning Opportunities

- Participate in a Hackathon
- Participate in TSA or SkillsUSA

Weslaco ISD Aligned Industry-Based Certifications

- Cisco 100-490 RSTech Supporting Cisco Routing and Switching Network Devices
- Cisco 200-201 CBROPS - Understanding Cisco Cybersecurity Operations Fundamentals
- Cisco CCNA (200-301) Implementing and Administering Cisco Solutions
- CodeHS Cybersecurity Level 1 Certification
- CompTIA A+ Certification
- **CompTIA IT Fundamentals+**
- CompTIA Network+
- CompTIA Security+
- Computer Networking Fundamentals - Job Ready
- Cybersecurity Fundamentals
- Cybersecurity Fundamentals: An ISACA Certificate
- **Information Technology Specialist: Networking**
- Information Technology Specialist: Java
- Information Technology Specialist: JavaScript
- Microsoft 365 Fundamentals
- Microsoft Security, Compliance, and Identity Fundamentals
- Oracle Certified Associate Java SE 8 Programmer
- Cloud Essentials+
- CompTIA Linux+
- CompTIA Server+

Successful completion of the Cybersecurity program of study will fulfill requirements of the Business and Industry endorsement or the STEM endorsement if the math and science requirements are met.



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)



Example Aligned Occupations

Computer User Support Specialists

Median Wage: \$51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Information Security Analysts

Median Wage: \$110,268
Annual Openings: 1,719
10-Year Growth: 49%

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>



Information Technology Career Cluster

Statewide Program of Study: Cybersecurity

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Information Technology* 13027200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Fundamentals of Computer Science* 03580140 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Foundations of Cybersecurity 03580850 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Computer Science I* 03580200 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Internetworking Technologies I (Cisco)* N1302803 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Computer Maintenance* 13027300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Information Technology Recommended Corequisites: None	
Computer Maintenance + Computer Maintenance Lab* 13027310 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
AP Computer Science Principles* A3580300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	

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

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



Information Technology Career Cluster

Statewide Program of Study: Cybersecurity

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Engineering Applications of Computer Science Principles N1303772 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Internetworking Technologies II (Cisco)* N1302804 (1 credit)	Prerequisites: Internetworking Technologies I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Advanced Cloud Computing* N1302813 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least one credit in a Level 2 or higher course in computer science, programming, software development, or networking systems Recommended Corequisites: None	
Digital Forensics 03580360 (1 credit)	Prerequisites: Foundations of Cybersecurity Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Discrete Mathematics for Computer Science* 03580370 (1 credit)	Prerequisites: Algebra II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Networking* 13027400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, and Computer Maintenance Lab Recommended Corequisites: None	
Networking + Networking Lab* 13027410 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, and Computer Maintenance Lab Recommended Corequisites: None	

Continued on next page

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

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



Information Technology Career Cluster

Statewide Program of Study: Cybersecurity

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
AP Computer Science A* A3580110 (1 math credit) A3580120 (1 LOTE credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$ Recommended Corequisites: None	
IB Computer Science Standard Level* I3580200 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Computer Science I, Algebra II Recommended Corequisites: None	
IB Computer Science Higher Level* I3580310 (1 math credit) I3580320 (1 LOTE credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Computer Science I, Algebra II Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Independent Study in Technology Applications* First Time Taken: 03580900 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	
Independent Study in Evolving/Emerging Technologies* First Time Taken: 03581500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	
Cybersecurity Capstone 03580855 (1 credit)	Prerequisites: Foundations of Cybersecurity Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Information Technology Career Cluster

Statewide Program of Study: Cybersecurity

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Information Technology* First Time Taken: 13028000 (2 credits) Second Time Taken: 13028010 (2 credits)	Prerequisites: A minimum of two high school information technology (IT) courses Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Information Technology + Extended Practicum in Information Technology* First Time Taken: 13028005 (3 credits) Second Time Taken: 13028015 (3 credits)	Prerequisites: A minimum of two high school information technology (IT) courses. Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037400 (2 credits) Second Time Taken: 13037410 (2 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics + Extended Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037405 (3 credits) Second Time Taken: 13037415 (3 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Continued on next page		

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

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



Information Technology Career Cluster

Statewide Program of Study: Cybersecurity

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	

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

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



Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: Programming and Software Development

The Programming and Software Development program of study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and 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 includes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.



Weslaco ISD

Secondary Courses for High School Credit

9th	• Computer Science I Honors
10th	• AP Computer Science Principles or • Computer Science II or • Fundamentals of Computer Science
11th	• AP Computer Science A (Math & LOTE) or • Computer Science III
12th	• Computer Science II Honors or • AP Computer Science Principles or • Fundamentals of Computer Science

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB AP Statistics IB Mathematics Applications and Interpretation SL
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 at a local IT company to develop skills in programming and coding • Shadow a software developer to learn how they create and improve software to support efficient processes at their company
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Program and create a game • Participate in SkillsUSA or TSA

Weslaco ISD Aligned Industry-Based Certifications

- Apple App Development with Swift
- C++ Certified Associate Programmer
- **Certified Entry-Level Python Programmer (PCEP)**
- Certified Professional Programmer
- Certified User: Programmer
- CodeHS Python Level 1 Certification
- CompTIA IT Fundamentals+
- CompTIA Linux+
- **Information Technology Specialist: Java**
- Information Technology Specialist: JavaScript
- Microsoft Azure AI Fundamentals
- Microsoft Azure Data Fundamentals
- Oracle Certified Associate Java SE 8 Programmer
- Oracle Database SQL Certified Associate
- CompTIA A+ Certification
- CompTIA Server+

Successful completion of the Programming and Software Development program of study will fulfill requirements of the Business and Industry endorsement or the STEM endorsement if the math and science requirements are met.



Example Postsecondary Opportunities

Apprenticeships

- Computer Programmer Apprenticeship

Associate Degrees

- Computer Programming
- Web Page, Digital/Multimedia and Information Resources Design

Bachelor's Degrees

- Data Science
- Computer Engineering

Master's, Doctoral, and Professional Degrees

- Management Science
- Computer Software Engineering

Additional Stackable IBCs/License

- AWS Certified Developer Associate



Example Aligned Occupations

Computer User Support Specialists

Median Wage: \$51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Computer Programmers

Median Wage: \$87,997
Annual Openings: 1,176
10-Year Growth: 4%

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>



Information Technology Career Cluster

Statewide Program of Study: Programming and Software Development

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Information Technology* 13027200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Fundamentals of Computer Science* 03580140 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Computer Science I* 03580200 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Game Programming and Design 03580380 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
AP Computer Science Principles* A3580300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I 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
Introduction to C# Programming Applications N1302812 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least one credit in a Level 2 or higher course in programming or software development Recommended Corequisites: None	
Computer Science II 03580300 (1 credit)	Prerequisites: Algebra I and either Computer Science I or Fundamentals of Computer Science Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Information Technology Career Cluster

Statewide Program of Study: Programming and Software Development

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Advanced Cloud Computing* N1302813 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: At least one credit in a Level 2 or higher course in computer science, programming, software development, or networking systems Recommended Corequisites: None	
Discrete Mathematics for Computer Science* 03580370 (1 credit)	Prerequisites: Algebra II Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Mobile Application Development 03580390 (1 credit)	Prerequisites: Algebra I Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	
AP Computer Science A* A3580110 (1 math credit) A3580120 (1 LOTE credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$ Recommended Corequisites: None	
IB Computer Science Standard Level* I3580200 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Computer Science I, Algebra II Recommended Corequisites: None	
IB Computer Science Higher Level* I3580310 (1 math credit) I3580320 (1 LOTE credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Computer Science I, Algebra II Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Computer Science III 03580350 (1 credit)	Prerequisites: Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science Standard Level or IB Computer Science Higher Level Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Information Technology Career Cluster

Statewide Program of Study: Programming and Software Development

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Independent Study in Technology Applications* First Time Taken: 03580900 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	
Independent Study in Evolving/Emerging Technologies* First Time Taken: 03581500 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Audio/Video Production First Time Taken: 13008700 (2 credits) Second Time Taken: 13008710 (2 credits)	Prerequisites: Audio/Video Production II and Audio/Video Production II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Audio/Video Production + Extended Practicum in Audio/Video Production First Time Taken: 13008705 (3 credits) Second Time Taken: 13008715 (3 credits)	Prerequisites: Audio/Video Production II and Audio/Video Production II Lab Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Information Technology* First Time Taken: 13028000 (2 credits) Second Time Taken: 13028010 (2 credits)	Prerequisites: A minimum of two high school information technology (IT) courses Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarra@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)



Information Technology Career Cluster

Statewide Program of Study: Programming and Software Development

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Information Technology + Extended Practicum in Information Technology* First Time Taken: 13028005 (3 credits) Second Time Taken: 13028015 (3 credits)	Prerequisites: A minimum of two high school information technology (IT) courses Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037400 (2 credits) Second Time Taken: 13037410 (2 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics + Extended Practicum in Science, Technology, Engineering, and Mathematics* First Time Taken: 13037405 (3 credits) Second Time Taken: 13037415 (3 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Entrepreneurship* First Time Taken: 13011111 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Recommended Corequisites: None	

Continued on next page

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

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



Information Technology Career Cluster

Statewide Program of Study: Programming and Software Development

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	
Scientific Research and Design 13037200 (1 credit)	Prerequisites: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

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

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



Law and Public Service Career Cluster

The Law and Public Service career cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. This career cluster includes occupations ranging from police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: Law Enforcement

The Law Enforcement program of study focuses on occupational and educational opportunities associated with the development and enforcement of laws by various branches of law enforcement. This program of study includes the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.



Weslaco ISD

Secondary Courses for High School Credit

9 th	<ul style="list-style-type: none"> Principles of Law, Public Safety, Corrections, and Security
10 th	<ul style="list-style-type: none"> Law Enforcement I
11 th	<ul style="list-style-type: none"> Criminal Investigation OR Federal Law Enforcement and Protective Services OR Correctional Services
12 th	<ul style="list-style-type: none"> Law Enforcement II OR Forensic Science

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

- Shadow a detective to learn about investigations and the role of detectives in law enforcement
- Intern in dispatch at a local law enforcement agency to learn about first responder roles and processes

Expanded Learning Opportunities

- Visit a police department
- Participate in TSA or SkillsUSA

Weslaco ISD Aligned Industry-Based Certifications

- IAED Emergency Telecommunicator
- Non-Commissioned Security Officer Level II License



Example Postsecondary Opportunities

Apprenticeships

- Security Specialist

Associate Degrees

- Criminal Justice
- Law Enforcement

Bachelor's Degrees

- Forensic Science
- Criminal Justice

Master's, Doctoral, and Professional Degrees

- Criminal Justice
- Criminology and Criminal Justice

Additional Stackable IBCs/Licensures

- Jailer – Basic County Corrections
- Basic Telecommunicator



Example Aligned Occupations

Police and Sheriff's Patrol Officers

Median Wage: \$64,373
Annual Openings: 5,424
10-Year Growth: 13%

Detectives and Criminal Investigators

Median Wage: \$82,090
Annual Openings: 1,536
10-Year Growth: 8%

First-Line Supervisors of Police and Detectives

Median Wage: \$97,571
Annual Openings: 5,461
10-Year Growth: 12%

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>




Law and Public Service Career Cluster




Statewide Program of Study: Law Enforcement

Course Information




Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Law, Public Safety, Corrections, and Security* 13029200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Law Enforcement I 13029300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security Recommended Corequisites: None	
Criminal Investigation 13029550 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security Recommended Corequisites: None	
Federal Law Enforcement and Protective Services* 13029800 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Law Enforcement II 13029400 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Law Enforcement I Recommended Corequisites: None	
Correctional Services 13029700 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Law, Public Safety, Corrections, and Security Recommended Corequisites: None	
Forensic Psychology N1303012 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Law Enforcement I and Psychology Recommended Corequisites: None	

Continued on next page

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

For additional information on the Law and Public Service career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>






Law and Public Service Career Cluster





Statewide Program of Study: Law Enforcement

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Counseling and Mental Health* 13024600 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Human Services Recommended Corequisites: None	 
Crisis Care* TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Forensic Science* 13029500 (1 credit)	Prerequisites: One credit in Biology, one credit in Chemistry, Integrated Chemistry and Physics (IPC), or Physics Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Law, Public Safety, Corrections, and Security* First Time Taken: 13030100 (2 credits) Second Time Taken: 13030110 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Practicum in Law, Public Safety, Corrections, and Security + Extended Practicum in Law, Public Safety, Corrections, and Security* First Time Taken: 13030105 (3 credits) Second Time Taken: 13030115 (3 credits)	Prerequisites: None 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	

Continued on next page

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

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



Law and Public Service Career Cluster

Statewide Program of Study: Law Enforcement

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
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 **Law and Public Service** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, jdyybarra@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)



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: Manufacturing Technology

The Manufacturing Technology program of study focuses on occupational and educational opportunities associated with the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. It includes exploration of a variety of machine tools that are used to produce precision parts and instruments. This program of study addresses how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.



Weslaco ISD

Secondary Courses for High School Credit

- | | |
|------------------|--------------------------------------|
| 9 th | • Principles of Manufacturing |
| 10 th | • Metal Fabrication and Machining I |
| 11 th | • Metal Fabrication and Machining II |
| 12 th | • Practicum in Manufacturing |

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"> Shadow a metallurgist working at a refinery, steel mill, or aircraft manufacturing company Intern at a manufacturing plant using CNC machines
Expanded Learning Opportunities	<ul style="list-style-type: none"> Tour a manufacturing facility Participate in SkillsUSA or TSA

Weslaco ISD Aligned Industry-Based Certifications

- | | |
|---|---|
| <ul style="list-style-type: none"> AWS D1.1 Structural Steel AWS SENSE Level I: Entry Welder C-101 Certified Industry 4.0 Associate - Basic Operations C-103 Certified Industry 4.0 Associate - Robot System Operations Certified Manufacturing Associate Certified Production Technician (CPT) 4.0 Certified SOLIDWORKS Professional (CSWP) - Additive Manufacturing Certified SOLIDWORKS Professional (CSWP) – CAM CNC Lathe Operations CNC Lathe Set Up and Operations Machining CNC Mill Operations Level I Machining CNC Mill Programming Setup and Operations Level I | <ul style="list-style-type: none"> Machining CNC Milling Skills Level II Machining CNC Turning Level II Machining Drill Press Level I Machining Grinding Level I Machining Measurement, Material, and Safety Level I Machining Milling Level I Manufacturing Technology NCCER Core NCCER Welding Level I Precision Machining - Job Ready Welding - Job Ready Certified Logistics Technician (CLT) Certified Technician-Supply Chain Automation (CT-SCA) |
|---|---|



Example Postsecondary Opportunities

Associate Degrees

- Industrial Technology
- Instrumentation Technology
- Manufacturing Engineering Technology
- Machine Shop Technology



Bachelor's Degrees

- Engineering/Industrial Management
- Industrial Engineering
- Mechanical Engineering Technology
- Manufacturing Engineering

Master's, Doctoral, and Professional Degrees

- Mechanical Engineering
- Engineering/Industrial Management
- Industrial Engineering
- Engineering



Example Aligned Occupations

Machinists

Median Wage: \$48,732
Annual Openings: 3,385
10-Year Growth: 23%

Industrial Engineering Technologists and Technicians

Median Wage: \$62,096
Annual Openings: 787
10-Year Growth: 17%

Mechanical Engineers

Median Wage: \$99,937
Annual Openings: 1,755
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: Manufacturing Technology

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	
Principles of Applied Engineering* 13036200 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Blueprint Reading for Manufacturing Applications* N1303684 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I, Geometry, and Principles of Construction Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Diversified Manufacturing I* 13032650 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I 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	
Metal Fabrication and Machining I 13032700 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I or Geometry Recommended Corequisites: None	

Level 3

Course	Prerequisites Corequisites	Career Clusters
Diversified Manufacturing II 13032660 (1 credit)	Prerequisites: Diversified Manufacturing I Corequisites: None Recommended Prerequisites: Algebra I Recommended Corequisites: None	

Continued on next page

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarra@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)







Manufacturing Career Cluster


Statewide Program of Study: Manufacturing Technology

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Occupational Safety and Environmental Technology II* N1303681 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Occupational Safety and Environmental Technology I Recommended Corequisites: None	
Metal Fabrication and Machining II 13032800 (2 credits)	Prerequisites: Metal Fabrication and Machining I Corequisites: None Recommended Prerequisites: Geometry and Algebra II Recommended Corequisites: None	
Precision Metal Manufacturing I 13032500 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Manufacturing and completion of or concurrent enrollment in Algebra I or Geometry Recommended Corequisites: None	
Computer Integrated Manufacturing (PLTW) N1303748 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Concurrently in college preparatory math and science and Engineering Design Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Occupational Safety and Environmental Technology III N1303682 (2 credits)	Prerequisites: Occupational Safety and Environmental Technology I and Occupational Safety and Environmental Technology II Corequisites: None Recommended Prerequisites: Chemistry or Integrated Physics and Chemistry (IPC) Recommended Corequisites: None	
Precision Metal Manufacturing II 13032600 (2 credits)	Prerequisites: Precision Metal Manufacturing I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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



Manufacturing Career Cluster

Statewide Program of Study: Manufacturing Technology

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Precision Metal Manufacturing II + Precision Metal Manufacturing II Lab 13032610 (3 credits)	Prerequisites: Precision Metal Manufacturing I Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
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	
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	
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	
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 **Manufacturing** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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.



Weslaco ISD

Secondary Courses for High School Credit

9th • N/A

10th • Introduction to Welding

11th • Welding I

12th • Welding II

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

- Job shadow a welder
- Intern for a local welding company

Expanded Learning Opportunities

- Tour a welding shop
- Participate in SkillsUSA or TSA
- Participate in a welding project that benefits the community

Weslaco ISD 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	

Continued on next page

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

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




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	
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	
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	

Continued on next page

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

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






























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	             

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

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



Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

Statewide Program of Study: Automotive and Collision Repair

The Automotive and Collision Repair program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.



Weslaco ISD

Secondary Courses for High School Credit

Automotive Technology

9 th	• N/A
10 th	• Energy and Power of Transportation Systems
11 th	• Automotive Technology I: Maintenance and Light Repair
12 th	• Automotive Technology II: Automotive Service

Auto Collision Repair

9 th	• N/A
10 th	• Basic Collision Repair and Refinishing
11 th	• Collision Repair
12 th	• Paint and Refinishing

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

- Shadow an automotive technician at a car dealership
- Intern at a rental car company and assist technicians with vehicle maintenance
- Work at a local automotive repair shop and hold both customer service duties and automatic repair duties

Expanded Learning Opportunities

- Join a related automotive association and attend events
- Participate in SkillsUSA

Weslaco ISD Aligned Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Heating and Air Conditioning (AC)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD)
- ASE Entry-Level Automobile Service Technology
- ASE Entry-Level Automobile Suspension and Steering (SS)
- ASE Entry-Level Collision Mechanical and Electrical Components (ME)
- ASE Entry-Level Collision Non-Structural Analysis and Damage Repair (SR)
- ASE Entry-Level Collision Painting and Refinishing (PR)
- ASE Entry-Level Collision Structural Analysis and Damage Repair
- ASE Refrigerant Recovery and Recycling
- Principles of Small Engine Technology Certification
- Small Engine Technology
- Industrial Technology Maintenance (ITM) - Basic Mechanical Systems
- Industrial Technology Maintenance (ITM) - Maintenance Operations
- Industrial Technology Maintenance (ITM) - Electrical Systems
- Industrial Technology Maintenance (ITM) - Maintenance Welding
- Industrial Technology Maintenance (ITM) - Basic Pneumatic Systems

Successful completion of the Automotive and Collision Repair program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Automotive Technician Apprenticeship

Associate Degrees

- Automobile/Automotive Mechanics Technology
- Autobody/Collision and Repair Technology

Bachelor's Degrees

- Autobody/Collision and Repair Technology
- Heavy Equipment Maintenance Technology

Additional Stackable IBCs/License

- Automobile and Light Truck Certification (A1 – A9)



Example Aligned Occupations

Automotive Service Technicians and Mechanics

Median Wage: \$44,809
Annual Openings: 6,285
10-Year Growth: 10%

Bus and Truck Mechanics and Diesel Engine Specialists

Median Wage: \$50,967
Annual Openings: 3,096
10-Year Growth: 19%

First-Line Supervisors of Mechanics, Installers, and Repairers

Median Wage: \$66,535
Annual Openings: 5,019
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>



Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Automotive and Collision Repair

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Transportation Systems* 13039250 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Basic Collision Repair and Refinishing 13039750 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Small Engine Technology I* 13040000 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Level 2

Course	Prerequisites Corequisites	Career Clusters
Introduction to Transportation Technology* 13039270 (0.5 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Small Engine Technology II 13040100 (2 credits)	Prerequisites: Small Engine Technology I Corequisites: None Recommended Prerequisites: None 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	
Automotive Basics 13039550 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Collision Repair 13039800 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Basic Collision Repair and Refinishing Recommended Corequisites: None	

Continued on next page

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

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



Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Automotive and Collision Repair

Course Information

Level 2

Course	Prerequisites Corequisites	Career Clusters
Collision Repair + Advanced Transportation Systems Laboratory 13039810 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Basic Collision Repair and Refinishing 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
Energy and Power of Transportation Systems 13039300 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Transportation Systems Recommended Corequisites: None	
Automotive Technology I: Maintenance and Light Repair 13039600 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Automotive Basics Recommended Corequisites: None	
Paint and Refinishing 13039900 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Basic Collision Repair and Refinishing or Collision Repair Recommended Corequisites: None	

Continued on next page

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarrarodriguez@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)




Transportation, Distribution, and Logistics Career Cluster





Statewide Program of Study: Automotive and Collision Repair

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Paint and Refinishing + Advanced Transportation Systems Laboratory 13039910 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Basic Collision Repair and Refinishing or Collision Repair Recommended Corequisites: None	

Level 4

Course	Prerequisites Corequisites	Career Clusters
Automotive Technology II: Automotive Service 13039700 (2 credits)	Prerequisites: Automotive Technology I: Maintenance and Light Repair Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Automotive Technology II: Automotive Service + Advanced Transportation Systems Laboratory 13039710 (3 credits)	Prerequisites: Automotive Technology I: Maintenance and Light Repair Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Customer Service Representative TBD (TBD credit)	Prerequisites: TBD Corequisites: TBD Recommended Prerequisites: TBD Recommended Corequisites: TBD	
Practicum in Transportation Systems* First Time Taken: 13040450 (2 credits) Second Time Taken: 13040460 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	

Continued on next page

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

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

Weslaco ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Juanita D. Ybarra Rodriguez, Assistant Superintendent for Human Resources, 319 West Fourth Street Weslaco, TX 78596, (956) 969-6619, Jdybarrarodriguez@wisd.us. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#)



Transportation, Distribution, and Logistics Career Cluster

Statewide Program of Study: Automotive and Collision Repair

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Transportation Systems + Extended Practicum in Transportation Systems* First Time Taken: 13040455 (3 credits) Second Time Taken: 13040465 (3 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
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	
Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship* First Time Taken: 13011121 (3 credits)	Prerequisites: None Corequisites: Practicum in Entrepreneurship Recommended Prerequisites: Entrepreneurship I and II or successful completion of at least two courses in a CTE program of study 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 **Transportation, Distribution, and Logistics** career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>