# 2026-27 CTE Programs of Study

## Nondiscrimination Policy

All Career and Technical Education programs follow the district's policies of nondiscrimination on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups 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. In addition, VISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

The following district staff members have been designated to coordinate compliance with these legal requirements: Title IX Coordinator, for concerns regarding discrimination on the basis of sex, including sexual harassment or gender-based harassment: Dawn Maroney, Director of Student Services, 102 Profit Drive, Victoria, TX 77901, 361-788-9250, dawn.maroney@visd.net. ADA/Section 504 Coordinator, for concerns regarding discrimination on the basis of disability: Kelli Cotton, Director of Special Services, 102 Profit Drive, Victoria, TX 77901, 361-788-9242, kelli.cotton@visd.net. All other concerns regarding discrimination: See the Superintendent Sheila Collazo, Superintendent of Schools, 102 Profit Drive Victoria, TX 77901, 361-788-9202. General information about CTE Programs of Study, contact Dena Justice, CTE Director, 104 Profit Drive, Victoria, Texas 77901, 361-788-9288, dena.justice@visd.net.

## CTE Programs

The CTE Department offers twenty-three programs of study in twelve different career clusters. Each program of study was developed following TEA frameworks, program offerings, local/state labor market data including projected job growth and annual job openings, training opportunities, industry-based certifications, teacher feedback, and CTE Advisory Committee suggestions.

## CTE Course Enrollment

Students who request CTE courses will be scheduled into courses according to the process and procedures of VISD Counseling Department. Eligible students are students who have completed all prerequisites for the course. For CTE courses at the secondary campuses, student selection is generated by the VISD eSchoolPlus student management information system. Student selection for CTE courses located at the Career and Technical Education Center may be determined using a lottery selection.

# 12 Career Clusters

## 23 Programs of Study

*Includes Dual Credit Course Opportunities

### Agriculture, Food & Natural Resources

Agriculture Business, Leadership & Communications
Agricultural Technology & Mechanical Systems*
Animal Science
Plant Science

### Architecture and Construction

Carpentry
Electrical
HVAC & Sheetmetal
Plumbing

### Arts, Audio Visual Technology and Communications

Digital Communications
Graphic Design and Interactive Media

### Business, Marketing, and Finance

Accounting and Financial Services*
Business Management*
Entrepreneurship

### Education and Training

Teaching and Training*

### Energy

Refining & Chemical Processes*
Renewable Energy*

### Engineering

Engineering Foundations*

### Health Science

Diagnostic & Therapeutic Services

### Human Services

Cosmetology & Personal Care Services
Health & Wellness*

### Information Technology

Programming & Software Development*

### Law and Public Services

Law Enforcement*

### Transportation, Distribution, and Logistics

Automotive & Collision Repair

# Agriculture, Food & 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.**

## Agriculture Business, Leadership & Communications Program of Study

The Agriculture Business, Leadership, and Communications program of study focuses on occupational and educational opportunities associated with farming and agriculturally related businesses that supply farm inputs, such as machinery and seeds. This program of study includes exploration of farm product marketing, the purchase of farm products either for processing or resale, and the process of grading or classifying unprocessed food or other agricultural products.

## Agricultural Technology & Mechanical Systems Program of Study

The Agricultural Technology & Mechanical Systems program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products.

## Animal Science Program of Study

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

## Plant Science Program of Study

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



# Agriculture Business, Leadership & Communications Program of Study

## Career Cluster: Agriculture, Food and Natural Resources
## Endorsement: Business & Industry

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Agriculture, Food & Natural Resources | 13000200 | 007006 | 1 | None | None |
| ***AND (If not taken in Middle School)*** | | | | | |
| Professional Communications | 13009900 | 001219 | 0.5 | None | None |
| **2nd Course** | | | | | |
| Entrepreneurship I - **CCMR required course** | 13011101 | 007126 | 1 | None | 512 Entrepreneurship & Small Business (Tier 2)- **CCMR required IBC** |
| **3rd and/or 4th Courses** | | | | | |
| Career Preparation for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OR** | | | | | |
| Practicum of AFNR* | 13002500 | 007008 | 2 | A minimum of 2 credits (one Level 2 or higher course) from Ag Program of Study | None |
| **OR/AND** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |

*Practicum course is available for students who do not have a paid/unpaid Career Prep Placement and need a 2 credit course for CCMR.

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

Texas FFA: https://www.texasffa.org/

National Technical Honor Society: nths.org

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*Todos los programas de Educación Técnica y Profesional siguen las políticas del distrito de no discriminación por motivos de raza, color, origen nacional, sexo o discapacidad en sus programas, servicios o actividades vocacionales y brindan acceso equitativo a los Boy Scouts y otros grupos juveniles designados según sea necesario. por el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Título IX de las Enmiendas Educativas de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmendada. VISD tomará medidas para garantizar que la falta de conocimientos del idioma inglés no sea una barrera para la admisión y participación en todos los programas educativos y vocacionales.*

# Agricultural Technology & Mechanical Systems Program of Study

**Career Cluster: Agriculture, Food and Natural Resources**

**Endorsement: Business & Industry**

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Agriculture, Food & Natural Resources | 13000200 | 007006 | 1 | None | None |
| **2nd Course** | | | | | |
| Agricultural Mechanics and Metal Technologies | 13002200 | 007002 | 1 | None | None |
| **3rd Course(s)** | | | | | |
| Agriculture Structures Design & Fabrication** | 13002300 | 007988 | 1 | None | 350 American Welding Society D91 Sheet Metal Welding (Tier 2); 340 American Welding Society D1.1 Structural Steel (Tier 2) **CCMR required IBCs** |
| **OR** | | | | | |
| Agricultural Structures Design & Fabrication with lab** (at CTE Ctr) | 13002310 | 007788 | 2 | None | 350 American Welding Society D91 Sheet Metal Welding (Tier 2); 340 American Welding Society D1.1 Structural Steel (Tier 2) **CCMR required IBCs** |
| **OR** | | | | | |
| Dual Credit at VC<br>*See counselor for more information* | | | | None | See Information under certifications. Course sequence is determined by VC. |
| **4th Course** | | | | | |
| Agricultural Structures Design & Fabrication with lab (at CTE Ctr) | 13002310 | | 2 | None | 350 AWS D91 Sheet Metal Welding (Tier 2)<br>340 AWS D1.1 Structural Steel (Tier 2)<br>**CCMR required IBCs** |
| **OR** | | | | | |
| Career Preparation for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OR** | | | | | |
| Dual Credit at VC<br>*See counselor for more information* | | | | | See Information under certifications. Course sequence is determined by VC. |

****TEA Level 3 or 4 course**

## Victoria College Welding Certificates

**Welding Occupational Skills Award:** Total credit hours: 12. Students who successfully complete the Occupational Skills Award requirements may apply for a Certificate of Completion.

**Basic Welding Certificate:** Total credit hours: 34. Students who successfully complete the basic certificate requirements may apply for a Certificate of Completion in Basic Welding.

**Advanced Welding Certificate:** Total credit hours: 42. Students who successfully complete the advanced certificate courses and basic certificate requirements may apply for a Certificate of Completion in Advanced Welding.

## Career and Technical Student Organizations

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National Technical Honor Society: nths.org

**See additional information on the next page.**

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# Animal Science Program of Study

**Career Cluster: Agriculture, Food and Natural Resources**
**Endorsement: Business & Industry**

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Agriculture, Food & Natural Resources | 13000200 | 007006 | 1 | None | None |
| **2nd Course(s)** | | | | | |
| Small Animal Management & Equine Science | 13000400 & 13000500 | 007001 & 007320 | 0.5 & 0.5 | None | None |
| **OR** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for CCMR |
| **3rd Course** | | | | | |
| Livestock & Poultry Production** | 13000300 | 007063 | 1 | VISD: Small Animal Management & Equine Science | None |
| **OR** | | | | | |
| Veterinary Science** | 13000600 | 007068 | 1 | VISD: Small Animal Mgt & Equine Science | |
| **4th Course** | | | | | |
| Advanced Animal Science** **CCMR Required Course** Course satisfies a science credit requirement on the Foundation High School Program; receives 1.1 GPA weight | 13000700 | 503075 | 1 | Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production | 986 Elanco Fundamentals of Animal Science Certification (Tier 2) **CCMR required IBC** |
| **OR** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| Career Preparation for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

**Career and Technical Student Organizations**

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National Technical Honor Society: nths.org

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# Plant Science Program of Study

**Career Cluster: Agriculture, Food and Natural Resources**

**Endorsement: Business & Industry**

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Ag, Food & Natural Resources (AFNR) | 13000200 | 007006 | 1 | None | None |
| **2nd Course** | | | | | |
| Landscape Design and Management & Turf Grass Management | 13001900 & 13001950 | 007321 & 007322 | 0.5 0.5 | VISD: Principles of AFNR | None |
| **OR** | | | | | |
| Floral Design** *Course satisfies a fine arts credit requirement on the Foundation High School Program.* | 13001800 | 007005 | 1 | VISD: Principles of AFNR | None |
| **3rd Course** | | | | | |
| Horticulture Science** **CCMR required course** *Does not satisfy a science credit on the Foundation High School Program .* | 13002000 | 007609 | 1 | VISD: Principles of AFNR | BASF Plant Science (Tier 2)- **CCMR required IBC** |
| **4th Course** | | | | | |
| Advanced Plant & Soil Science**-C*ourse satisfies a science credit requirement on the Foundation High School Program; course receives 1.1 GPA weight* | 13002100 | 507917 | 1 | At least three credits from courses listed above | None |
| **OR** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| Career Preparation for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

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# Architecture & 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.**

## Carpentry Program of Study

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.

## Electrical Program of Study

The Electrical program of study explores the occupations and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. This program of study may also include exploration into installing and repairing telecommunications cable including fiber optics.

## Heating, Ventilation & Air Conditioning (HVAC) & Sheet Metal Program of Study

The HVAC and sheet metal program of study explores the occupations and educational opportunities associated with installing, serving, or repairing heating and air conditioning systems and also the fabrication, assembly, installation, and repair of sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. This program of study may also include exploration into preparing cost estimates for certain construction projects involving heating and air conditioning and sheet metal.

## Plumbing & Pipefitting Program of Study

The Plumbing and Pipefitting program of study explores the occupations and educational opportunities related to assembling, installing, or repairing pipes, fittings, or fixtures of heating, water, or drainage systems. This program of study may also include exploration into maintaining pipe supports or related hydraulic or pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, or industrial production or processing systems.



# Carpentry Program of Study

## Career Cluster: Architecture and Construction

## Endorsement: Business & Industry

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Construction Technology I<br>*Course is held at the CTE Center* | 13005100 | 047147 | 2 | None | 630 NCCER Core (Tier 3) |
| **3rd Course** | | | | | |
| Construction Technology II**<br>**CCMR Required Course**<br>*Course is held at the CTE Center* | 13005200 | 047148 | 2 | Construction Technology I | 630 NCCER Core (Tier 3);<br>2027-28: 610 NCCER Carpentry Level I (Tier 2) - **CCMR required IBC** |
| **4th Course** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

SkillsUSA Texas: https://skillsusatx.org/

National Technical Honor Society: nths.org

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# Electrical Program of Study

## Career Cluster: Architecture and Construction

## Endorsement: Business & Industry

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Electrical Technology I &<br>Principles of Construction<br>**CCMR Required Courses**<br>*Course held at Mid Coast Construction Academy* | 13005600<br>13004220 | 047185<br>007165 | 1<br>1 | None | 630 NCCER Core (Tier 3)<br>640 NCCER Electrical I (Tier 2) |
| **3rd Course** | | | | | |
| Electrical Technology II**<br>**CCMR Required Course**<br>*Course held at Mid Coast Construction Academy* | 13005700 | 047019 | 2 | Electrical Technology I | 641 NCCER Electrical II (Tier 1)<br>**CCMR required IBC** |
| **4th Course** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

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# HVAC & Sheet Metal Program of Study

**Career Cluster: Architecture and Construction**
**Endorsement: Business & Industry**

| Courses | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| HVAC Technology I<br>& Principles of Construction<br>**CCMR Required Courses****<br>*Course is held at Mid Coast Construction Academy* | 13005800<br>&<br>13004220 | 047191<br>&<br>007165 | 1<br><br>1 | None | 630 NCCER Core (Tier 3)<br>660 NCCER Heating, Ventilation, Air Conditioning Level I (Tier 2)- **CCMR required IBC** |
| **3rd Course** | | | | | |
| HVAC Technology II<br>**CCMR Required Course****<br>*Course is held at Mid Coast Construction Academy* | 13005900 | 047237 | 2 | HVAC Technology I | None |
| **4th Course** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

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# Plumbing & Pipefitting Program of Study

**Career Cluster: Architecture and Construction**

**Endorsement: Business & Industry**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Plumbing Technology I<br>& Principles of Construction<br>**CCMR Required Courses**<br>*Course is held at Mid Coast Construction Academy.* | 13006000<br>13004220 | 047192<br>007165 | 1<br>1 | None | 630 NCCER Core (Tier 3)<br>730 NCCER Plumbing Level I (Tier 2) **CCMR required IBC** |
| **3rd Course** | | | | | |
| Plumbing Technology II**<br>**CCMR Required Course**<br>*Course is held at Mid Coast Construction Academy.* | 13006100 | 047193 | 2 | Plumbing Technology I | 731 NCCER Plumbing Level II (Tier 2) |
| **4th Course** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

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# Arts, Audio Visual Technology & Communications 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.**

## 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.

## Graphic Design and Interactive Media

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



# Digital Communications Program of Study

**Career Cluster: Arts, Audio/Video Technology, and Communications**
**Endorsement: Business & Industry**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Arts, Audio/ Video Tech & Communication | 13008200 | 007262 | 1 | None | None |
| **OR** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Audio/Video Production I - (Broadcast, Newspaper, Yearbook) | 13008500 | 007292 | 1 | None | None |
| **3rd Course** | | | | | |
| Audio/Video Production II**-- (Broadcast, Newspaper, Yearbook)- **CCMR required course** | 13008600 | 007293 | 1 | Audio Video Production I | 953 NOCTI Broadcasting & Journalism (Tier 2) **CCMR required IBC** |
| **AND IF SCHEDULE ALLOWS** | | | | | |
| Career Prep for Program of Study** Placement will be with Digital Communications Teacher | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **4th Course** | | | | | |
| Audio/Video Production II with Lab** (Broadcast, Newspaper, Yearbook) Placement will be with Digital Communications Teacher | 13008610 | 007294 | 2 | Audio Video Production I | None |
| **AND IF SCHEDULE ALLOWS** | | | | | |
| Practicum in AV Production** | 13008700 | TBD | 2 | Audio/Video Production II with Lab | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

National Technical Honor Society: nths.org

SkillsUSA Texas: https://skillsusatx.org/

Texas TSA: https://texastsa.org/

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# Graphic Design and Interactive Media Program of Study

**Career Cluster: Arts, Audio/Video Technology, and Communications**

**Endorsement: Business & Industry**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Arts, Audio/ Video Technology & Communications | 13008200 | 007262 | 1 | None | None |
| **OR** | | | | | |
| Digital Art & Animation *Course satisfies a fine arts credit requirement on the Foundation High School Program.* | 03580500 | 007194 | 1 | None | None |
| **OR** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Graphic Design & Illustration I | 13008800 | 007028 | 1 | None | 017 Certified Professional in Visual Design Using Adobe Photoshop (Tier 2) **One of the CCMR required IBC options** |
| **3rd Course** | | | | | |
| Graphic Design & Illustration II** | 13008900 | 007177 | 1 | Graphic Design & Illustration I | 015 Certified Professional in Graphic Design and Illustration Using Adobe Illustrator (Tier 2) **One of the CCMR required IBC options** |
| **4th Course** | | | | | |
| **Student may be CCMR complete with 4 credits from courses above & the required IBC** | | | | | |
| **OR** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

National Technical Honor Society: nths.org

SkillsUSA Texas: https://skillsusatx.org/

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# Business, Marketing & 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.**

## Accounting & Financial Services Program of Study

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

## Business Management Program of Study

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

## Entrepreneurship Program of Study

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



# Accounting & Financial Services Program of Study

**Career Cluster: Business, Marketing & Finance**

**Endorsement: Business & Industry**

**Note: Student may meet College, Career & Military Readiness (CCMR) Indicator status by earning credit for at least 3 of the dual credit courses in the Program of Study.**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Business, Marketing & Finance | 13011200 | 007042 | 1 | None | None |
| **OR** | | | | | |
| Foundations of Business, Communication & Technology | 13011400 | 007037 | 1 | None | None |
| **OR** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course- CCMR required courses** | | | | | |
| Accounting I - **CCMR Required course** | 13016600 | 007058 | 1 | None | 1046 Volunteer Income Tax Assistant/Tax Counseling: Advanced (Tier 2) **CCMR required IBC** |
| **AND/OR** | | | | | |
| Dual Credit at VC ACCT 2301 Principles of Financial Acct I | 13016600 | 557062 | 1 | See VC requirements | None |
| **3rd Course - CCMR required courses** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **AND/OR** | | | | | |
| Dual Credit at VC ACCT 2302 Principles of Managerial Acct I | 13016700 | 557179 | 1 | Dual Credit ACCT 2301 | None |
| **4th Course(s)** | | | | | |
| Financial Mathematics (TEA level 2 course) *Course satisfies a 3rd math credit for students on the Foundation High School Program* | 13018000 | 007961 | 1 | Algebra I | None |
| **OR** | | | | | |
| Practicum in Business Management** or Dual Credit at VC BUSI 1301 Bus. Principles | 13012200 | 007044<br>557044 | 2 | Dual Credit ACCT 2301 | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

Business Professionals of America (BPA): https://bpa.org/

Future Business Leaders of America (FBLA): http://fblatx.org/

Distributive Education Clubs of America (DECA): https://www.deca.org/high-school-programs/

National Technical Honor Society: nths.org

**See next page for more information.**

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*Todos los programas de Educación Técnica y Profesional siguen las políticas del distrito de no discriminación por motivos de raza, color, origen nacional, sexo o discapacidad en sus programas, servicios o actividades vocacionales y brindan acceso equitativo a los Boy Scouts y otros grupos juveniles designados según sea necesario. por el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Título IX de las Enmiendas Educativas de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmendada. VISD tomará medidas para garantizar que la falta de conocimientos del idioma inglés no sea una barrera para la admisión y participación en todos los programas educativos y vocacionales.*

# Business Management Program of Study

## Career Cluster: Business, Marketing & Finance

## Endorsement: Business & Industry

**Note: Student may meet College, Career & Military Readiness (CCMR) Indicator status by earning credit for at least 3 of the dual credit courses in the Program of Study.**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Foundations of Business Communication & Tech | 13011400 | 007037 | 1 | None | None |
| **OR** | | | | | |
| Principles of Business, Marketing & Finance | 13011200 | 007042 | 1 | None | None |
| **2nd Course** | | | | | |
| Entrepreneurship I | 13034400 | 007126 | 1 | None | 512 Entrepreneurship Small Business (Tier 2) **CCMR required IBC** |
| **OR** | | | | | |
| Business Communication & Technologies<br>or VC Dual Credit<br>ITSC 1309 Integrated Software Application I | 13011500 | 007038<br><br><br><br>TBD | 1 | Foundations of Business Communication & Technologies | None |
| **3rd Course** | | | | | |
| Business Management**<br>**CCMR required course**<br>or<br>Dual Credit at VC<br>BMGT 1327 Principles of Business Management | 13012100 | 007969<br><br><br><br>557969 | 1 | None<br><br><br><br>See VC requirements | 512 Entrepreneurship Small Business (Tier 2) if not earned in Entrepreneurship course **CCMR required IBC** |
| **OR** | | | | | |
| Dual Credit at VC<br>BMGT 1327 Principles of Business Management | 13012100 | 557969 | 1 | See VC requirements | None |
| **4th Course(s)** | | | | | |
| **Student may be CCMR complete with 4 credits from courses above & the aligned IBC** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OR** | | | | | |
| Dual Credit at VC<br>BUSI 1301 Business Principles | 13012200 | 557044 | 2 | Dual Credit ACCT 2302 | None |

****TEA Level 3 or 4 course**

**See additional information on the next page.**

| Career and Technical Student Organizations |
| --- |
| Business Professionals of America (BPA): https://bpa.org/ |
| Future Business Leaders of America (FBLA): http://fblatx.org/ |
| Distributive Education Clubs of America (DECA): https://www.deca.org/high-school-programs/ |
| National Technical Honor Society: nths.org |
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# Entrepreneurship Program of Study

**Career Cluster: Business, Marketing & Finance**

**Endorsement: Business & Industry**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Business, Marketing & Finance | 13011200 | 007042 | 1 | None | None |
| **OR** | | | | | |
| Foundations of Business, Communication & | 13011400 | 007037 | 1 | None | None |
| **2nd Course** | | | | | |
| Entrepreneurship I - **CCMR required course** | 13011101 | 007126 | 1 | None | 512 Entrepreneurship Small Business (Tier 2) **CCMR required IBC** |
| **3rd Course** | | | | | |
| Entrepreneurship II** | 13011102 | 007249 | 1 | Entrepreneurship I | None |
| **4th Course(s)** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

Business Professionals of America (BPA): https://bpa.org/

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Distributive Education Clubs of America (DECA): https://www.deca.org/high-school-programs/

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# Education & 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.**

## Teaching and Training Program of Study

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



# Teaching & Training Program of Study

## Career Cluster: Education & Training

## Endorsement: Public Service

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Human Services | 13024200 | 907088 | 1 | None | None |
| **2nd Course** | | | | | |
| Human Growth & Development | 13014300 | 007050 | 1 | None | None |
| **OR** | | | | | |
| VC Dual Credit PSYC 2314 Lifespan Growth & Development | 13014300 | 557051 | *1* | *See VC requirements* | *None* |
| **3rd Course** | | | | | |
| Instructional Practices** | 13014400 | 007053 | 2 | At least one credit for a course listed above | None |
| **4th Course** | | | | | |
| Practicum in Education & Training** **CCMR Required Course** | 13014500 | 007052 | 2 | Instructional Practices | 511 Educational Aide I (Tier 2) **CCMR required IBC** |
| **AND RECOMMENDED** | | | | | |
| TAMU-Victoria TECA 1318 Well Child | 13024700 | 557998 | 1 | See TAMU-Victoria requirements | None |

****TEA Level 3 or 4 course**

**Career and Technical Student Organizations**

Texas Association of Future Educators: www.tafeonline.org

National Technical Honor Society: nths.org

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# Energy Career Cluster

**The Energy career cluster prepares individuals for careers in the designing, processing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy. This career cluster includes occupations ranging from petroleum engineers, rotary drill operators, chemical technicians and, power plant operators to solar photovoltaic installers and wind turbine service technicians.**

## Refining & Chemical Processes Program of Study

The Refining and Chemical Processes program of study focuses on occupational and educational opportunities associated with how to monitor, adjust, and operate equipment housed in petrochemical plants and refineries. This program of study includes exploration of computer technology and instrumentation used to operate a variety of systems and industrial processes.

## Renewable Energy Program of Study

The Renewable Energy program of study focuses on occupational and educational opportunities associated with assembling, inspecting, maintaining, and repairing different equipment required for renewable energy. This program of study includes exploration of solar photovoltaic equipment and wind turbines and the systems and processes used to maintain and manage these types of equipment.



# Refining & Chemical Processes Program of Study

## Career Cluster: Energy

## Endorsement: Public Service

**Note: Student will meet College, Career & Military Readiness (CCMR) Indicator status by earning credit for at least 3 of the dual credit courses in the Program of Study.**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Graduation Requirement or Elective | | | | | |
| **2nd Course** | | | | | |
| Dual Credit at VC: EDUC 1300 Learning Frameworks | 03270100 | 557034 | 0.5 | None | None |
| **3rd Course** | | | | | |
| Dual Credit at VC<br>Fall: PTAC 1302 Intro to Process Tech<br>Spring: PTAC 1308 Safety, Health & Environment | <br>13040502<br>13040504 | <br>557271<br>TBD | <br>1<br>1 | See VC requirements. | None |
| **4th Course** | | | | | |
| Dual Credit at VC<br>Fall: PTAC 2348 Safety, Health & Environment 2<br>Spring: CETT 1302 Electricity Principles | <br>13033010<br>13040503 | <br>557348<br>557269 | <br>2<br>1 | See VC requirements. | None |

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# Renewable Energy Program of Study

## Career Cluster: Energy

## Endorsement: Public Service

**Note: Student will meet College, Career & Military Readiness (CCMR) Indicator status by earning credit for at least 3 of the dual credit courses in the Program of Study.**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Applied Engineering | 13036200 | 007131 | 1 | None | None |
| **2nd Course** | | | | | |
| Dual Credit at VC EDUC 1300 Learning Frameworks | 03270100 | 557034 | 0.5 | None | None |
| **3rd Courses** | | | | | |
| Dual Credit at VC<br>Fall: CETT 1302 Electricity Principles<br>Spring: CETT 1325 Digital Fundamentals | 13040503<br>13036800 | 557269<br>557296 | 1<br>1 | Recommend EDUC 1300. See VC requirements. | None |
| **4th Courses** | | | | | |
| Dual Credit at VC<br>Fall: INTC 1301 Principles of Industrial Measurement I<br>Spring: CETT 1349 Digital Systems | 13037200<br>13037600 | 557270<br>557264 | 1<br>1 | CETT 1302 & CETT 1325 | None |

VICTORIA COLLEGE
Est. 1925

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# Engineering Career Cluster

**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 incudes applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.**

## Engineering Foundations Program of Study

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



# Engineering Foundations Program of Study (East High School)

**Career Cluster: Engineering**

**Endorsement: Business & Industry or STEM**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Applied Engineering | 13036200 | 007131 | 1 | None | None |
| **2nd Course** | | | | | |
| Robotics I | 13037000 | 007174 | 1 | None | None |
| **OR** | | | | | |
| Engineering Design and Presentation | 13036500 | 007246 | 1 | Algebra I and at least 1 course from this program of study | None |
| **3rd Course** | | | | | |
| Honors Engineering Design & Problem Solving** **CCMR Required Course** | 13037300 | 503081 | 1 | Algebra I & Geometry, at least one credit in a level 2 or higher | 989 NOCTI Engineering Technology Foundations (Tier 2) **CCMR required IBC** |
| **OR** | | | | | |
| Robotics II** | 13037050 | 007175 | 1 | Robotics I | TBD |
| **4th Course** | | | | | |
| Scientific Research & Design- Rocketry** Course satisfies a science credit requirement on the Foundation High School Program. | 13037200 | 007234 | 1 | Biology and one credit from: Chemistry, Integrated Physics, Chemistry (IPC), or Physics | None |
| **OR** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OPTIONAL COURSE** | | | | | |
| VC Dual Credit Course ENGR 1304 Engineering Graphics | 13037350 | 557316 | 1 | See VC requirements | None |

****TEA Level 3 or 4 course**

**Career and Technical Student Organizations**

SkillsUSA Texas: https://skillsusatx.org/

National Technical Honor Society: nths.org

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# Engineering Foundations Program of Study (West High School)

## Career Cluster: Engineering

## Endorsement: Business & Industry or STEM

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Applied Engineering | 13036200 | 007131 | 1 | None | None |
| **2nd Course** | | | | | |
| Engineering Design and Presentation | 13036500 | 007246 | 1 | Algebra I and at least 1 course from this program of study | None |
| **3rd Course** | | | | | |
| Honors Engineering Design & Problem Solving** **CCMR required course** | 13037300 | 503081 | 1 | Algebra I & Geometry, at least one credit in a level 2 or higher | 989 NOCTI Engineering Technology Foundations- **CCMR required IBC** |
| **4th Course** | | | | | |
| Scientific Research & Design** Rocketry<br>Course satisfies a science credit requirement on the Foundation High School Program. | 13037200 | 007234 | 1 | Biology and one credit from: Chemistry, Integrated Physics, Chemistry (IPC), or Physics | None |
| **OR** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OPTIONAL COURSE** | | | | | |
| VC Dual Credit Course ENGR 1304 Engineering Graphics | 13037350 | 557316 | 1 | See VC requirements | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

SkillsUSA Texas: https://skillsusatx.org/

National Technical Honor Society: nths.org

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# 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.**

## Diagnostic & Therapeutic Services Program of Study

The Healthcare Diagnostics & Therapeutic Services program of study introduces students to occupations and education opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or part of a healthcare team. In addition, students will be introduced to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



# Diagnostic & Therapeutic Services Program of Study

**Career Cluster: Health Science**
**Endorsement: Public Service**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Health Science | 13020200 | 007067 | 1 | None | None |
| **2nd Course** | | | | | |
| Medical Terminology | 13020300 | 007071 | 1 | VISD: Principles of Health Science | None |
| **3rd Course** | | | | | |
| Health Science Theory** | 13020400 | 007315 | 1 | Biology, Medical Terminology | None |
| **4th Course** | | | | | |
| Practicum in Health Science** (CMA)- **CCMR Required Course** | 13020500 | 007070<br>047070<br>CTE Ctr | 2 | Biology, Medical Terminology, Health Science Theory | IBC 1019 Medical Assistant- **CCMR required IBC** |
| **AND OPTIONAL COURSES** | | | | | |
| Advanced Anatomy and Physiology**<br>Course satisfies a science credit requirement on the Foundation High School Program.<br>OR<br>Dual Credit at VC<br>BIOL 2401 Human Anatomy & Physiology | 13020600 | 503100<br><br><br><br><br><br>523412 | 1 | One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

Health Occupations Students of America (HOSA): www.texashosa.org

National Technical Honor Society: nths.org

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# 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.**

## Cosmetology & Personal Services Program of Study

The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

## Health & Wellness

The Health and Wellness program of study focuses on occupational and educational opportunities associated with promoting physical, emotional, and mental health and wellness. This program of study incudes assisting patients in planning for their health and wellness, responding to crises, providing education or counseling, making referrals, and addressing barriers to accessing health and wellness services



# Cosmetology & Personal Care Services Program of Study

**Career Cluster: Human Services**
**Endorsement: Public Service**

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **2nd Course** | | | | | |
| Principles of Cosmetology & Introduction to Cosmetology | 13025050 & 13025100 | 947247 | 2 | None | None |
| **3rd Course** | | | | | |
| Cosmetology I with Lab** | 13025210 | 047090 | 3 | None | None |
| **4th Course** | | | | | |
| Cosmetology II with Lab** | 13025310 | 047091 | 3 | Cosmetology I/Lab | 510 Cosmetology Operator License (Tier 2) **CCMR required IBC** |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

SkillsUSA Texas: https://skillsusatx.org/

National Technical Honor Society: nths.org

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# Health & Wellness

**Career Cluster: Health Science**

**Endorsement: Public Service**

***Note: Students must earn credit for Career Prep for Program of Study to earn College, Career, Military (CCMR) Indicator.***

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Principles of Human Services | 13024200 | 907088 | 1 | None | None |
| **2nd Course** | | | | | |
| Lifetime Nutrition & Wellness- **CCMR Required Course** & Interpersonal Studies | *13024500*<br>*13024400* | *007164*<br>*007083* | *.5*<br>*.5* | *None* | 1032 Pre-Professional Certification in Nutrition, Food, and Wellness (Tier 2) **CCMR required IBC** |
| **OPTIONAL COURSE** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | ESB IBC does not count for this program of study |
| **OPTIONAL COURSE** | | | | | |
| Human Growth & Development | 13014300 | 007050 | 1 | None | None |
| **3rd and/or 4th Courses (All are TEA Level 4 courses)** | | | | | |
| VC Dual Credit BIOL 1322 Nutrition & Diet Therapy | N1302541 | 553322 | 1 | None | None |
| **OR** | | | | | |
| Career Preparation for Program of Study** **One of the required CCMR courses** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **OR** | | | | | |
| Practicum of Human Services* and** **One of the required CCMR courses** | 13025000 | 007089 | 2 | None | None |
| **OR/AND** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |

***Practicum course is available for students who do not have a paid/unpaid Career Prep Placement and need a 2 credit course for CCMR.**

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

The Texas Association, Family, Career and Community Leaders of America

National Technical Honor Society: nths.org

**See additional information on the next page.**

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# 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.**

## Programming & Software Development Program of Study

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



# Programming & Software Development Program of Study

## Career Cluster: Information Technology

## Endorsement: Business & Industry or STEM

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certification |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Fundamentals of Computer Science (if not taken in Middle School) | 03580140 | 002999 | 1 | None | None |
| **OR** | | | | | |
| Computer Science I- Course satisfies 1 credit for Language Other Than English requirement on the Foundation High School Program. | 03580200 | 002091 | 1 | Algebra I | None |
| **OR** | | | | | |
| AP Computer Science Principles; Course satisfies 1 credit for Language Other Than English requirement on the Foundation High School Program. | A3580300 | 502094 | 1 | None | None |
| **2nd Course** | | | | | |
| Computer Science I- Course satisfies 1 credit for Language Other Than English requirement on the Foundation High School Program. | 3580200 | 002091 | 1 | Algebra I | None |
| **OR** | | | | | |
| Computer Science II** **CCMR Required Course** (if not taken as a 1st course) *Course satisfies 1 credit Language Other Than English on the Foundation High School Program* | 3580300 | 002092 | 1 | Algebra I and Computer Science I or AP Computer Science Principles | 1079 Information Technology Specialist: Java (Tier 2) **CCMR Required IBC** |
| **OR** | | | | | |
| AP Computer Science Principles (if not taken as a 1st course); *Course satisfies 1 credit for Language Other than English requirement on the Foundation High School Program.* | A3580300 | 502094 | 1 | None | None |
| **OR** | | | | | |
| AP Computer Science A** *Course satisfies a 1 math credit and 1 credit for Language Other than English requirement on the Foundation High School Program.* | A3580110<br>A3580120 | TBD | 1<br>1 | Recommended: Algebra I or students should be comfortable with functions & concepts found in the uses of functional notation such as f(x)= x+2 and f(x) = g(h(x)) | None |
| **OR** | | | | | |
| VC Dual Credit Course: COSC 1301 Introduction to Computing | 13027200 | 557098 | 1 | None | None |
| **See back for more information.** | | | | | |
| **3rd Course** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Computer Science II** **CCMR Required Course** (if not taken as a 2nd course) *Course satisfies 1 credit Language Other Than English on the Foundation High School Program* | 3580300 | 002092 | 1 | Algebra I and Computer Science I or AP Computer Science Principles | 1079 Information Technology Specialist: Java (Tier 2) **CCMR Required IBC** |
| **OR** | | | | | |
| Computer Science III** *Course receives 1.15 GPA weight; satisfies 1 credit Language Other Than English on the Foundation High School Program:* | 03580350 | 507294 | 1 | AP Computer Science A or Computer Science II | 1079 Information Technology Specialist: Java (Tier 2) **CCMR Required IBC** |
| **OR** | | | | | |
| VC Dual Credit Course: COSC 1301 Introduction to Computing** | 13027200 | 557098 | 1 | None | None |
| **4th Course** | | | | | |
| Computer Science III** *Course receives 1.15 GPA weight; satisfies 1 credit Language Other Than English on the Foundation High School Program.* | 03580350 | 507294 | 1 | Computer Science II or AP Computer Science A | 1079 Information Technology Specialist: Java (Tier 2) **CCMR Required IBC** |
| **OR** | | | | | |
| CTE Project Based Capstone** | 12701101 | 007273 | 1 | None | None |
| **OR** | | | | | |
| VC Dual Credit Course: COSC 1436 Programming Fundamentals I** | 13028000 | 047096 | 2 | See VC requirements. | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

Texas Technology Student Association: texastsa.org

National Technical Honor Society: nths.org

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# Law and Public Services 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.**

## Law Enforcement Program of Study

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



# Law Enforcement

## Career Cluster: Law and Public Service

## Endorsement: Public Service

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **1st Course** | | | | | |
| Course for graduation requirements | | | | | |
| **2nd Courses** | | | | | |
| Principles of Law, Public Safety, Corrections and Security & Law Enforcement I Course is held at the Career & Technical Education Center | 13029200 & 13029300 | 947180 | 1 1 | None | None |
| **AND** | | | | | |
| VC Dual Credit SPCH 1315 or SPCH 1318 **CCMR Required Course** | 03241200 | 551225 551210 | 1 1 | See VC requirements | None |
| **3rd Courses** | | | | | |
| Criminal Investigations & Law Enforcement II** **CCMR required course** Course is held at the Career & Technical Education Center | 13029550 & 13029400 | 947182 | 1 1 | None | 833 IAED Emergency Telecommunicator (Tier 3) |
| **4th Courses** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |
| **AND Recommended** | | | | | |
| Honors Forensic Science** Course satisifies a science credit requirement on the Foundation High School Program. | 13029500 | 503091 | 1 | Biology, and one credit in Chemistry, IPC or Physics | None |
| **OR** | | | | | |
| VC Dual Credit CRIJ 1301 Introduction to Criminal Justice | 13029700 | 557265 | 1 | See VC requirements | None |
| **OR** | | | | | |
| VC Dual Credit CRIJ 1306 Court Systems & Practices | 107262 | 557178 | 1 | See VC requirements | None |
| ****TEA Level 3 or 4 course** | | | | | |
| **See back for more information.** | | | | | |

## Career and Technical Student Organizations

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# Transportation, Distribution & 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.**

## Automotive & Collision Repair Program of Study

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



# Automotive & Collision Repair Program of Study

## Career Cluster: Transportation, Distribution, and Logistics
## Endorsement: Business & Industry

| Course(s) | State ID | Local ID | Credits | Prerequisites | Industry Based Certifications |
|---|---|---|---|---|---|
| **Level 1 Course(s)** | | | | | |
| Entrepreneurship I | 13011101 | 007126 | 1 | None | Entrepreneurship Small Business IBC does not count for this program of study |
| **Level 2 Course(s)** | | | | | |
| Automotive Technology I: Maintenance and Light Repair *Course is held at the Career & Technical Education Center* | 13039600 | 047156 | 2 | F | None |
| **Level 3 Course(s)** | | | | | |
| Automotive Technology II: Automotive Service** **CCMR Required Course** *Course is held at the Career & Technology Campus* | 13039700 | 047155 | 2 | Automotive Tech I | 191 ASE Entry Level Maintenance and Light Repair (Tier 2) **CCMR Required IBC** |
| **Level 4 Course(s)** | | | | | |
| Career Prep for Program of Study** | 12701121 | 007247 | 2 | At least one Level 2 or higher CTE course | None |

****TEA Level 3 or 4 course**

## Career and Technical Student Organizations

SkillsUSA Texas: https://skillsusatx.org/

National Technical Honor Society: nths.org

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