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	557988	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		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 *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) 340 AWS D1.1 Structural Steel (Tier 2) **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 *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

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

National Technical Honor Society: nths.org

See additional information on the next page.

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. 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.

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.