Fort Hancock High School
Career & Technical Education
Programs of Study & Course Catalog

FORT HANCOCK I.S.D.
SUCCESS FOR ALL
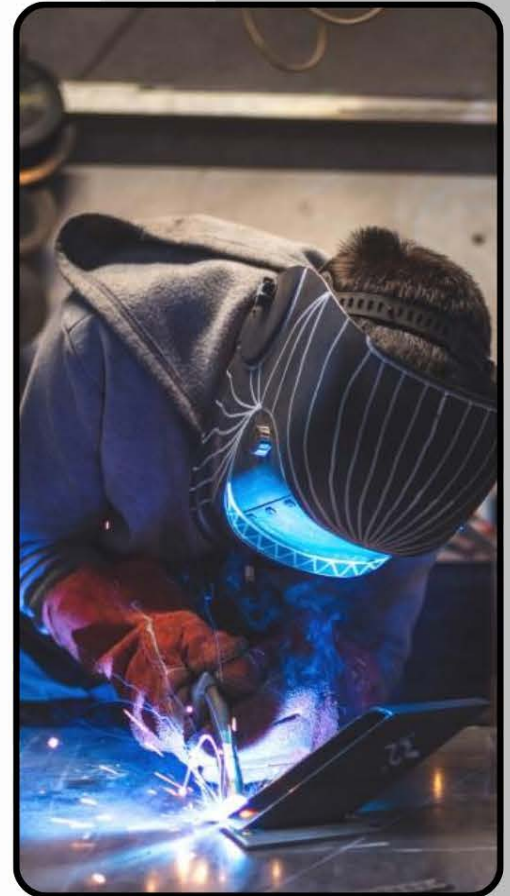
YOUR JOURNEY TO SUCCESS STARTS HERE!

100 School Drive
Fort Hancock, Texas 79869
(915)769-1604

Catalog Contents

Career and Technical Education

What We Do

Through the Career and Technical Education Department, we aim to prepare students for successful futures by providing rigorous academic and technical training, fostering essential workplace skills, and connecting learning to real-world careers and post-secondary opportunities in a global economy.

CTE Mission Statement

To promote the acquisition of technical skills and soft skills along with ethical workplace behaviors necessary to succeed in a post-secondary education in today's highly competitive workforce.

CTE Vision Statement

To create educational opportunities that will equip all students with essential skills, certifications, and real-world experiences, building confidence and a strong foundation for future college and career success.

Endorsements

Students are able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students must select an endorsement as they enter the ninth grade. Districts are not required to offer all endorsements, yet FHHS offers three endorsements. The endorsements offered are:

- Science, Technology, Engineering and Math (STEM)
- Business and Industry
- Multi-Disciplinary Studies

Fort Hancock Independent School District

Notification of Nondiscrimination in Career and Technical Education Programs at Fort Hancock ISD

The Fort Hancock Independent School District does not discriminate on the basis of race, color, religion, sex, national origin, age, handicap, military status, genetic information, or any other basis prohibited by law in its employment practices or in providing education services, activities and programs, including career and technical education (vocational programs). For additional information regarding Fort Hancock Independent School District's policy of nondiscrimination contact the Human Resources Division: (915) 769-3811, 100 School Drive, P.O. Box 98, Fort Hancock, TX. 79839.

Notificación de No Discriminación en los Programas de Educación Profesional y Técnica del Distrito Escolar Independiente de Fort Hancock

El Distrito Escolar Independiente de Fort Hancock no discrimina por motivos de raza, color, religión, sexo, nacionalidad, edad, discapacidad, estado militar, información genética o cualquier otra base prohibida por la ley en sus prácticas laborales o en la provisión de educación. servicios, actividades y programas, incluida la educación técnica y profesional (programas vocacionales). Para obtener información adicional sobre la política de no discriminación del Distrito Escolar Independiente de Fort Hancock, comuníquese con la División de Recursos Humanos: (915) 769-3811, 100 School Drive, P.O Box 98, Fort Hancock, TX. 79839.

Texas Career Clusters

CTE Programs of Study in Texas are grouped by Career Clusters which are organized by occupations and industries under each of the three endorsements offered at Fort Hancock. Each POS offers a world of rigorous and relevant courses that allow students to explore a range of options for their future. The list below gives a general description of each Career Cluster that is offered at Fort Hancock Secondary.

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses 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.

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.

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.

Programs of Study by Career Cluster

Arts, A/V Technology & Communications Career Cluster

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. 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.

Digital Design & Media Production (One Credit)

Grade Placement: 9-12

Allows students to demonstrate creative thinking, develop innovative strategies, and use communication tools in order to work effectively with others as well as independently. Students will gather information electronically, which will allow for problem solving and making informed decisions regarding media projects. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will demonstrate a thorough understanding of digital design principles that is transferable to other disciplines.

Graphic Design and Illustration I (One Credit)

Grade Placement: 10–12

Within this class context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Graphic Design and Illustration II (One Credit)

Grade Placement: 10–12   Prerequisite: Graphic Design and Illustration I

Within this class context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Career Preparation for Programs of Study (Two Credits)

Grade Placement: 12   Prerequisite: At least one level 2 or higher CTE Course

Career Preparation for Programs of Study provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student.

Business, Marketing and Finance Career Cluster

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.

Foundations of Business Communication and Technologies (One Credit)

Grade Placement: 9–12

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Business Communication and Technologies (One Credit)

Grade Placement: 10–12   Prerequisite: Foundations of Business Communication and Technologies

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Business Management (One Credit)

Grade Placement: 10–12

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Statistics and Business Decision-Making (One Credit)

Grade Placement: 11–12   Prerequisite: Algebra II

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Manufacturing Career Cluster

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.

Introduction to Welding (One Credit)

Grade Placement: 9–10

Intro to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Students with gain the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Welding I (Two Credits)

Grade Placement: 10–12   Prerequisite: Introduction to Welding

Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding II (Two Credits)

Grade Placement: 10–12   Prerequisite: Welding I

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Career Preparation for Programs of Study (Two Credits)

Grade Placement: 12   Prerequisite: At least one level 2 or higher CTE Course

Career Preparation for Programs of Study provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student.