

Career & Technical Education Courses

College Street Vocational Center

The following courses are offered for a 2-hour credit at 736 East College Street, Lake Charles.
All courses reinforce shop safety, proper tool use and basic techniques in the trade area.

- Air Conditioning/Refrigeration I/II** – Prepares students to install, diagnose, repair and maintain the operating condition of residential and commercial heating/air conditioning, and refrigeration systems. *IBC
- Auto Body Repair I/II/III** – Fundamentals of the collision repair industry. Includes trim/hardware removal, straightening, cutting and welding steel, and an introduction to refinishing. *IBC, DE
- Automotive Technology I/II/III** – Covers NATEF Tasks for General Service Technician standards. Includes brakes, alignment, and transmissions. \$20 class fee, * IBC, DE, Prerequisites: Algebra I and English I
- Commercial Art I/II** – Adobe Photoshop, Adobe In Design, QuarkXPress used for designing projects. Includes screen-printing, sign making, engraving, desktop publishing and other forms of print.
- ProStart I** – Exposes students to all aspects of a commercial kitchen. Includes recipe development, cooking principles and the financial aspects of preparing food for profit. \$50 class fee, * IBC, DE, Prerequisite: Algebra I and English I Culinary Occupations II/III (2015-2016 only)
- NCCER Carpentry I/II/ III** – Fundamentals of construction with wood. Including framing, exterior and interior finishing. Advance levels include cabinet building. * IBC
- NCCER Electrical I/II** – Introduction to electrical theory, DC/AC electricity and the National Electrical Code. Shop work includes constructing circuits, measuring voltage, amperage and resistance.* IBC, DE, Prerequisites: Algebra I
- NCCER Welding Technology I/II/Welding III** – Follows NCCER & AWS-Sense Industry based craft training. Fundamentals of welding, including tools, blueprints, rigging, cutting, SMAW beads and SMAW fillet welds.* IBC, DE
- Outdoor Power Equipment Technician I/II/III** – Introductory course for small engine repair. Includes tool identification, use of power tools, and preventative maintenance. Advance coursework includes troubleshooting techniques, engine performance and outboard motor systems. * IBC
- Plumbing I /II**– Introduction to residential installation, repair and maintenance of pipe. Follows NCCER standards.*IBC
- Pipefitting I/II** – Introduction to industrial pipe cutting, fitting and repair. Follows NCCER standards. Prerequisite: Algebra I *IBC,

College Street Vocational Center

The following courses are offered for a 1-hour credit at 736 East College Street, Lake Charles.
Open to Juniors and Seniors only. Academic credits for students pursuing AOC[^] or Jumpstart+.

JAG I[^]+

Business English+

Technical Reading and Writing+

Financial Math[^]+

Technical Math+

Speech

Westlake T&I

The following courses are offered for a 2-hour credit at 1000 Garden Drive, Westlake.
All courses reinforce shop safety, proper tool use and basic techniques in the trade area.

- Automotive Technology I/II/III** – Covers NATEF Tasks for General Service Technician standards. Includes brakes, alignment, and transmissions. \$20 class fee, * IBC, DE, Prerequisites: Algebra I and English I
- NCCER Carpentry I/II/III** – Fundamentals of construction with wood. Including framing, exterior and interior finishing. Advance levels include cabinet building. * IBC
- NCCER Welding Technology I/II/Welding III** – Follows NCCER & AWS-Sense Industry based craft training. Fundamentals of welding, including tools, blueprints, rigging, cutting, SMAW beads and SMAW fillet welds.* IBC,DE
- Pipefitting I/II** – Introduction to industrial pipe cutting, fitting and repair. Follows NCCER standards. *IBC, Prerequisite: Algebra I

*DE-college and high school credit IBC-an Industry Based Certification
Prerequisite-there are courses to be taken before you can take this course or requirements to take this course

Lake Charles-Boston Academy: CTE

The following courses are offered for a 2-hour credit at 1509 Enterprise Boulevard, Lake Charles.

Drafting Design Technology I/II/III - Technical drawing class related to engineering and architecture using hand drawing and AutoCAD *IBC, DE Prerequisites: English II, Algebra I and Geometry

Instrumentation – Introduction to Instrumentation, Fundamentals of Electricity, Logic Controllers, Motor Controls. (Proc.Tech I-LCBA 748114 Fall/NC Elec I 2C-LCB 748214 Spring) *DE, Prerequisites: English II, Algebra I and Geometry

Plant Process Technology – An introduction to Process Technology, Plant Safety, and Statistical Control. (Proc Tech I-LCB 748112 Fall/Proc Tech II-LCBA 748113 Spring) *DE, Prerequisites: English II, Algebra I and Geometry

Aviation Maintenance – Aircraft drawings, aircraft math & physics, aircraft hydraulics, aircraft basic electricity. (Specific Course Progression-TBA) *DE, Prerequisites: English II, Algebra I and Geometry

First Responder - Improve the quality of emergency medical care rendered to victims of accident & illness. 1st of 4 national levels of EMS. Taught in the Fall only. *IBC, DE

Medical Terminology - Provides students with the ability to identify medical terms by analyzing their components. Taught in the Spring only. *DE

Emergency Medical Technician – Providing pre-hospital care to victims of accident & illness. 2nd of 4 national levels of EMS. Must be 16 years of age. Good physical health, able to perform the duties of an EMR. Application must be signed by parent or guardian. Students must attend 90% of the total course hours. *IBC, DE

Health Science I (Fall Semester)& Health Science II (Spring Semester) -Course for students who want to pursue a career in nursing or one of the other health-related occupations. *DE, Prerequisites: Must maintain 'C' or above to continue to Health Science II, English II, Algebra I and Biology, Juniors only

Sports Medicine I/II/III - Provides overview of sports medicine in its unique focus and delivery of healthcare. * DE

Allied Health I/II - Prepares the students with entry-level skills and knowledge common to many health care areas. Taught with Sports Medicine.

Early Childhood Education II - Assists students to meet requirements for Child Development Associate. Work with children from 0 to 8 yrs.*A, IBC, Prerequisite: Early Childhood I

Custom Sewing I (Fashion Design) - In-depth study of fabrics, fashion, color, clothing selection, care and construction. New technologies being applied to clothing and textiles will be explored and job-related skills will be developed in this course. * IBC

CTE Internship – Provide career and technical education students an opportunity to apply learned skills in the workplace.

Web Design I/II - Design, develop, and maintain websites using current editors and tagging languages. Advance courses introduce game design. *DE, IBC, Prerequisite: Teacher Recommendation or Digital Media or Multimedia or IBCA

Digital Media I/II - Project-based course with students' creative expression through web design, graphics, audio, print, video, animation. Advance courses introduce game design. (also offered as a Virtual Class) *DE, IBC, Prerequisite: Teacher Recommendation or Digital Media or Multimedia or IBCA

Television Production I/II - Students write, shoot and edit videos, films, news stories, commercials, and PSAs; operate TV studio equipment; produce and direct newscasts and live on-location shots. *DE, IBC

Computer Service Technology I/II–Basic computer hardware and operating systems, trouble-shooting, configuring. CompTIA A+ and Network+ exam. *A, IBC, Prerequisite: Algebra I

Law Studies I -The purpose of this course is to analyze and compare the different legal and political concepts, systems, and operations and their effect on legal disputes. *DE, Prerequisites: English II and Civics

Intro to Criminal Justice -This course examines the American criminal justice structure and the functions and processes that impact communities and society. *DE, Prerequisites: English II and Civics

Criminal Courts - Examines the structure, organization, and operation of criminal courts and their role in the larger criminal justice. *DE, Prerequisites: English II and Civics

*DE-college and high school credit

IBC-an Industry Based Certification

A- Articulated Credit with another school

Prerequisite-there are courses to be taken before you can take this course or requirements to take this course