

# 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<sup>^</sup> or Jumpstart+.

**JAG I<sup>^</sup>+**

**Business English+**

**Technical Reading and Writing+**

**Financial Math<sup>^</sup>+**

**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, *if* the student meets Dual Enrollment guidelines

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

# Lake Charles-Boston Academy: CTE

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

<p><b><u>Drafting Design Technology I/II/III</u></b> - Technical drawing class related to engineering and architecture using hand drawing and AutoCAD *IBC, DE Prerequisites: English II, Algebra I and Geometry</p>
<p><b><u>Instrumentation</u></b> – Introduction to Instrumentation, Fundamentals of Electricity, Logic Controllers, Motor Controls. (NC INSTR-LCBA 313500 Fall/NC ELECT I 2C-LCB 313400 Spring) *DE, Prerequisites: English II, Algebra I and Geometry</p>
<p><b><u>Aviation Maintenance</u></b>-Aircraft drawings, aircraft math &amp; physics, aircraft hydraulics, aircraft basic electricity. (MAT &amp; PROC 110005-Fall/AERO ENG 110830 Spring) *DE, Prerequisites: English II, Algebra I and Geometry</p>
<p><b><u>Plant Process Technology</u></b> – An introduction to Process Technology, Plant Safety, and Statistical Control. (Proc Tech I-LCB 110911 Fall/Proc Tech II-LCBA 110912 Spring) *DE, Prerequisites: English II, Algebra I and Geometry</p>
<p><b><u>First Responder</u></b> - Improve the quality of emergency medical care rendered to victims of accident &amp; illness. 1st of 4 national levels of EMS. Taught in the Fall only. *IBC, DE</p>
<p><b><u>Medical Terminology</u></b> - Provides students with the ability to identify medical terms by analyzing their components. Taught in the Spring only. *DE</p>
<p><b><u>Emergency Medical Technician</u></b> – Providing pre-hospital care to victims of accident &amp; 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</p>
<p><b><u>Health Science I (Fall Semester)&amp; Health Science II (Spring Semester)</u></b> -Course for students who want to pursue a career in nursing or one of the other health-related occupations. Prerequisites: English II, Algebra I and Biology, Juniors only; Successful completion of Health Science I required for progression to Health Science II.</p>
<p><b><u>Sports Medicine I/II/III</u></b> - Provides overview of sports medicine in its unique focus and delivery of healthcare. * DE</p>
<p><b><u>Allied Health I/II</u></b> - Prepares the students with entry-level skills and knowledge common to many health care areas. Taught with Sports Medicine.</p>
<p><b><u>Custom Sewing I (Fashion Design)</u></b> - 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</p>
<p><b><u>CTE Internship</u></b>-Provide career and technical education students an opportunity to apply learned skills in the workplace.</p>
<p><b><u>Web Design I/II</u></b> - 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</p>
<p><b><u>Digital Media I/II</u></b> - 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</p>
<p><b><u>Television Production I/II</u></b> - 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</p>
<p><b><u>Computer Service Technology I</u></b>- Microsoft Windows operating system essentials such as but not limited to installing, configuring, file management, network shares, mobility and remote management, backup and recovery, and troubleshooting. Students will also be able to detect and remove malware from personal computers. This course covers objectives as found on the Microsoft Technology Associate certification for Microsoft Exam 98-349. *A, IBC, Prerequisite: Algebra I</p>
<p><b><u>Computer Service Technology II</u></b> -Computer hardware and includes computer hardware configuration, installation, upgrades, troubleshooting and pc repair. This course will train the student to work in the field as a computer service technician. It is also prepares students for the CompTIA A+ exam. Prerequisite: Computer Service Technology I</p>
<p><b><u>Law Studies I</u></b> -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</p>
<p><b><u>Intro to Criminal Justice</u></b> -This course examines the American criminal justice structure and the functions and processes that impact communities and society. *DE, Prerequisites: English II and Civics</p>
<p><b><u>Criminal Courts</u></b> - Examines the structure, organization, and operation of criminal courts and their role in the larger criminal justice. *DE, Prerequisites: English II and Civics</p>

\*DE-college and high school credit, *if* the student meets Dual Enrollment guidelines

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## Lake Charles-Boston Academy: Fine Arts

**Pre AP Studio Art**- Students will work with drawing, painting, print-making, sculpture and photography. Designed to create an original art portfolio in preparation for the AP Studio Art Course.

**AP Studio Art**- Take an in-depth look at 2-D or 3-D art processes producing works for a portfolio that concentrates around a central idea.

**Art I/II/III/IV**- Engage in multiple art experiences ranging from charcoal drawing to photography and pottery.

**Talented Visual Art I/II/III/IV**- A range of courses for students identified as talented in visual art. Explores art concepts in techniques in drawing, painting, sculpture, and print-making.

## Lake Charles-Boston Academy: Advanced Studies

**AP Language**- (English III credit) College level course; counts as English III, develops skilled readers and writers.

**AP Literature**- (English IV credit) College level course; extensive reading, discussions, presentations, compositions and essays.

**AP Physics**- College level course; based college board criteria. Online course.

**AP European History**- College level course; designed to study European history since 1450.

**AP US History**- College level course; counts as American History.

**AP Human Geography**- College level course; counts as World Geography.

**AP Government**- College level course; counts as Civics.

## Lake Charles-Boston Academy:

**English Second Language High School**- Communicative and academic skills in reading, writing, speaking and listening for limited English proficient students.

**English Second Language Middle School**- Communicative and academic skills in English, Science, Social Studies for limited English proficient students.

**Pre-GED**- provides opportunities for students pursuing a GED to receive intensive assistance.

See your school counselor for Virtual/Distance Class information.