



Career Magnet Center

Preparing Students for Life After High School

Lafourche Parish Career Magnet Center



Click [here](#) for video link.



Mission Statement:

The Lafourche Parish Career Magnet Center will provide knowledge and skills necessary for its candidates to compete and succeed in various educational paths and life-long careers.

Integration

CMC offers a unique combination of career-technical education courses and advanced placement and dual-enrollment options.



Graduation Pathways

TOPS University (College Diploma)

24 Total Units

4 Units of English

4 Units of Math

4 Units of Science

4 Units of Social Studies

2 Units of Foreign Language

1 Unit of Art

2 Units of Health/P.E.

3 Units of Electives

Jump Start TOPS Tech (Career Diploma)

23 Total Units

4 Units of English

4 Units of Math

2 Units of Science

2 Units of Social Studies

2 Units of Health/P.E.

9 units from Jump Start course sequences, workplace experiences, and [credentials](#) as approved in Regional Jump Start proposals

CMC Course Offerings

<u>Certified Nursing Assistant</u>	<u>Dual Enrollment Courses</u>	<u>Cosmetology I and II</u>
<u>Medical Terminology & Allied Health Services</u>	<u>Advanced Placement Courses</u>	<u>ProStart I and II (Culinary Arts)</u>
<u>Allied Health Science</u>	<u>Regular Core Courses</u>	<u>Engineering and Robotics I and II</u>
<u>Intro to EMT (EMR)</u>	<u>Integrated Production Technology</u>	<u>NCCER Carpentry I and II</u>
<u>EMT Basic</u>	<u>Maritime Studies I and II</u>	<u>NCCER Electrical I and II</u>
<u>Speech</u>	<u>Automotive Technician I and II</u>	<u>NCCER Welding Technology I and II</u>

Certified Nursing Assistant



Basic

- ✓ CNA Candidates will earn a Louisiana CNA certification upon successful completion of the course
- ✓ This course is part of the Health Science Jump Start Pathway (3 credit hours)
- ✓ Candidates gain experience in a classroom setting and a laboratory setting as well as clinical experience in a nursing home
- ✓ Candidates will obtain a BLS Healthcare Provider (CPR and AED) card through the American Heart Association

To enroll in this course, it is recommended that candidates have a strong biology background **or** have previously passed Medical Terminology and Allied Health Services I at CMC.



Medical Terminology and Allied Health Services I

Medical Terminology

- ✓ Semester course (Spring only)
- ✓ Juniors and Seniors are eligible
- ✓ Candidates will learn medical terminology in preparation for a career in health and medicine
- ✓ Dual Enrolled with [SCLTC](#)
- ✓ Successful completion of the course earns each candidate 1 High School Carnegie Unit **and** 3 Credit Hours for BOTH 1300: Medical Terminology from SCLTC
- ✓ May be used as elective hours in some Jump Start Pathways (CNA, EMT, Health Sciences, Workplace Safety, Micro-Enterprise, & Public Service)

Allied Health Services I

- ✓ Semester course (Fall only)
- ✓ Juniors and Seniors are eligible
- ✓ Candidates will learn anatomy, physiology, and disease of the human body
- ✓ Dual Enrolled with [SCLTC](#)
- ✓ Successful completion of the course earns each candidate 1 High School Carnegie Unit **and** 3 Credit Hours for BOTH 1120: General Body Structure from SCLTC
- ✓ May be used as elective hours in some Jump Start Pathways (CNA, EMT, & Health Sciences)



Allied Health Science

- ✓ This course is part of the CNA, EMT, & Health Science Jump Start Pathways (1 credit hour)
- ✓ Candidates learn about various health careers along with pertinent information pertaining to the health care setting
- ✓ Encouraged for juniors interested in the medical field



Intro to EMT (EMR) & EMT Basic



Basic

Intro to EMT (EMR)

- ✓ Year-long course (1 credit)
- ✓ Candidates learn Medical First Response such as: CPR, treating chest pain, respiratory emergency, responding to motor vehicle collisions, treating trauma patients and altered mental status patients
- ✓ Candidates earn a Louisiana State Emergency Medical Responder Certification
- ✓ Part of the Patient Care Technician Pathway

EMT Basic

- ✓ Year-long, blocked course (3 credits)
- ✓ Candidates learn EMT responsibilities: CPR, pharmacology, medication administration, treating emergency patients such as: chest pain, respiratory emergency, altered mental status, strokes, diabetics, seizures, airway management, responding to motor vehicle collisions, trauma patients, and child birth
- ✓ Candidates complete a minimum of 24 hours of clinical rotation on an ambulance
- ✓ Part of the Patient Care Technician pathway
- ✓ Candidates earn a National Register of EMT certification and Louisiana Certification

Speech I

- ✓ Year-long course
- ✓ Juniors and seniors are eligible for Speech I
- ✓ Speech I is designed for the student who would like to acquire more self-confidence and poise while developing formal oral communication skills. It places emphasis on the organization, structure, research, and delivery required in public speaking.
- ✓ Speech I is a Universal JumpStart Course.



NSU Dual Enrollment Courses



- ✓ **Algebra III DE/Advanced Math DE** - (MATH 101/102 at Nicholls State University): Each semester course is worth 3 credit hours for total of 6 credit hours for the year; Prerequisites - ACT subscores of 21 in Math and 18 in English with an ACT Composite of 18
- ✓ **Calculus DE** - (MATH 165 at Nicholls State University): 5 credit hours; Prerequisites - Credit for MATH 102 OR ACT subscores of 27 in Math and 18 in English with an ACT Composite of 18
- ✓ **Chemistry I DE** (CHEM 105 at NSU): 3 credit hours; Prerequisites - ACT subscores of 21 in Math and 18 in English
- ✓ **Chemistry II DE** (CHEM 106 at NSU): 3 credit hours; Prerequisite - CHEM 105; candidates have the option to take the AP Chemistry Exam
- ✓ ***Chemistry II Lab DE** (CHEM 110 at NSU): 2 credit hours; Prerequisite- Concurrent enrollment in CHEM 106

*This course does not qualify for the extra quality point.



Advanced Placement Courses



- ✓ AP Language and Composition
- ✓ AP Literature and Composition

For more information on Advanced Placement courses, click [here](#).

To discover what state universities offer to candidates who perform well on AP exams, click [here](#).



What can AP do for me?

Click each university's icon to find out.



Regular Core Courses

- ✓ English III
- ✓ English IV
- ✓ Business English (senior level, semester course, dual enrolled with [SCLTC](#))
- ✓ Technical Writing (junior level; year-long course)
- ✓ Financial Literacy (junior level; year-long course)
- ✓ Business Math (senior level; semester course, dual enrolled with [SCLTC](#))
- ✓ Algebra II (Regular, Pre-AP)
- ✓ Advanced Math (Pre-AP)



Integrated Production Technology



Basic

- ✓ Junior Year: IPT Oil & Gas (1 Credit, Fall Only), IPT Process Technician I (1 Credit, Spring Only)
- ✓ Senior Year: IPT Process Technician II (1 Credit, Fall Only), IPT T2 Safety (1 Credit, Spring Only)
- ✓ Ideal for students interested in occupations in the oil and gas industry as well as the chemical plant processing industry
- ✓ Safe Gulf Safe Land Certification
- ✓ P&ID
- ✓ T-2 Process Safety Certification (Seniors Only)
- ✓ Oil & Gas T-2 Safety Systems Pathway
- ✓ Dual enrollment with [Fletcher Community College's Integrated Production Technology program](#) and [River Parish Community College's Process Technology program](#)
- ✓ Dual enrollment credit includes - Safety and compliance, Process Diagrams, Basic Production, and Process Safety Systems for a total of 12 credit hours from Fletcher Community College

Marine Operations I and II



Basic

Marine Operations I

- ✓ Entry level course providing candidates with basic history knowledge and rudimentary skills in seamanship, communication, and small craft safety

Marine Operations II

- ✓ Advanced level course focusing on maritime safety credentials and preparing candidates to obtain necessary documents, licenses, and endorsements from the United States Coast Guard for employment on inland, near-coastal, and ocean-going vessels
- ✓ Coursework and offered certifications include PEC Basic Orientation Safe Gulf Safe Land, Rules of the Road - USCG, Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting, Basic First Aid/CPR/AED, OSHA 10, Rigging, and ServSafe Food Protection Manager



Automotive Technology I and II



Automotive Technology I - Students can enroll as a junior or senior. These courses are dual-enrolled with [SCLTC](#). Three areas of the automobile will be taught: brakes, steering and suspension, and heating and air conditioning. After completion of written assessments and hands-on tasks, candidates are eligible to take the online student-based ASE (Automotive Service Excellence) certification test; certification is good for two years. Students should be at High School level in Mathematics, and Reading Comprehension. If a student is self-motivated, he or she can progress through the curricula take additional certification tests. There are eight areas of certification. One earned certification qualifies a candidate for a Basic Diploma. Three earned certifications qualify a candidate for an Advanced Diploma.

Automotive Technology II - Seniors are eligible for this course and will work independently on Engine Repair and one other area of certification. After each module is completed, candidates will be held accountable with written assessments and hands-on tasks. After all modules of engine repair and one other certification area are completed, candidates can take an online certification test.

The experience gained will be actual repair shop activities that will show first-hand how repairs are made to an automobile. Certifications enable candidates to apply for jobs in the automotive field or enroll in a technical college for automotive studies.



Cosmetology I and II

- ✓ Cosmetology Candidates will be awarded the opportunity to earn up to 500 clock hours through The Louisiana State Board of Cosmetology
- ✓ Hours earned are transferable to South Louisiana Beauty College
- ✓ Course studies include theory, hands-on experience, field trips to area beauty schools and salons, and industry guest speakers
- ✓ Cosmetology I (1 Carnegie unit) - juniors and seniors
- ✓ Cosmetology II (3 Carnegie units) - seniors only
- ✓ Part of the Micro-Enterprise Pathway



ProStart I and II



- ✓ Industry-driven curriculum to teach, test and award industry-recognized certificates to students meeting high standards in food service and restaurant education
- ✓ Two-year curriculum for 11th and 12th grade students developed by the National Restaurant Association Educational Foundation
- ✓ Relevant work-based experiences enrich, enhance, and reinforce what students learn in the classroom and provides students with opportunities to develop and practice
- ✓ Additional information on ProStart: <http://prostart.restaurant.org/>
- ✓ ProStart is a Jump Start Pathway; however, any candidate can enroll for elective credit only
- ✓ ProStart Jump Start Pathway Graduation Requirements to earn a ProStart Certificate of Achievement: ServSafe Manager Certification-75; ProStart Level 1 + passing exam score 70%; ProStart Level 2 + passing exam score 70%; 400 hours work based experience (these can be earned with a combination of in-class kitchen activities, volunteering for restaurant-related service, or employment in the restaurant industry)
- ✓ Completion of the Jump Start ProStart Pathway requires a two-year commitment



Engineering and Robotics I and II

- ✓ Designed to use robotics to teach engineering fundamentals
- ✓ Candidates learn the engineering design process and how a project goes from a concept to a working design
- ✓ Candidates use Intelitek REC Course materials online to learn the concepts and skills
- ✓ Teamwork is essential to the program; teams use EasyC programming software and Vex parts to build and program functional robots capable of carrying out programmed tasks
- ✓ Designed to help candidates prepare for a career in STEM
- ✓ Engineering and Robotics II takes candidates deeper into the STEM learning environment, learning more about the C++ programming language, engineering design, electronics, and advanced mechanics



NCCER Carpentry I and II



- ✓ Carpentry I is a Fall semester class worth 3 Carnegie Units
- ✓ Carpentry II is a Spring semester class worth 3 Carnegie Units
- ✓ Candidates can attain [NCCER](#) Level 1 and Level 2 Certifications in one school year
- ✓ **Prerequisite:** NCCER Core
- ✓ These courses are designed for those interested in Carpentry or Management/Construction
- ✓ Candidates are trained for entry-level construction opportunities



NCCER Electrical I and II



- ✓ Challenging introduction to the world of electricity
- ✓ Candidates learn the fundamentals of electrical current, Ohm's law, Kirchhoff's voltage and current laws, and progress to electrical connections, conduit bending, residential wiring, plan reading and many other electrical concepts and skills
- ✓ Candidates who successfully complete the coursework and task assessment will earn a nationally recognized certification through [NCCER](#)
- ✓ **Prerequisite:** NCCER Core
- ✓ Candidates are dual-enrolled through [SCLTC](#) and earn credit upon completing all course requirements
- ✓ Candidates demonstrate hands on skills and a knowledge base; they spend time in the classroom and a shop environment
- ✓ Level 2 Electrical students will work with AC current, electrical lighting, motor controls, programmable logic controllers, electronics and many other electrical topics and skills, with an emphasis on readying students for the construction work environment



NCCER Welding Technology I and II



Basic

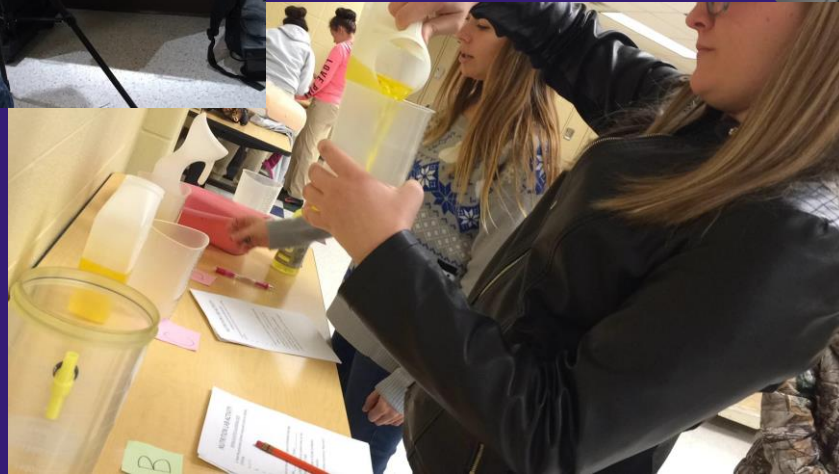


Advanced

- ✓ NCCER Welding Level 1: Welding safety, Oxyfuel cutting, Plasma Arc cutting, Base metal preparation, Weld quality and codes, SMAW equipment and setup, Metal arc electrodes, SMAW beads and fillet welds, Open V-Groove welds
- ✓ **Prerequisite:** [NCCER](#) Core
- ✓ NCCER Welding Level 2: Welding symbols, Welding drawings, Metals, Preheating and post heating metals, GMAW and FCAW – equipment, filler metals, & plates, GTAW – equipment, filler metals, & plate
- ✓ These courses are dual-enrolled with [SCLTC](#).

Some of the career choices for welders are working in a shipyard, construction on bridges or high rise buildings, oil and gas manufacturing plants, offshore platforms, or self-employment.

Our Candidates at Work





Questions?

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