

Thank You To Our Advisory Committees!

Dual Credit through Piedmont Technical College:

- Pre-Engineering (PLTW)
- Information Technology
- Health Science
- Automotive Technology

“Preparing Our Students for the Future”

CTE



**THE ABBEVILLE COUNTY CAREER CENTER
WHERE INDUSTRY, TECHNOLOGY &
EDUCATION MEET!**

Abbeville County Career Center
“Preparing Our Students for the Future”

**Report to the Community
2020-2021**



Welcome to
Career Center Life
Where Industry, Technology
and Education
Meet!

CTE
Career and Technical Education

Automotive Technology

Transportation, Distribution & Logistics Career Cluster

Grade Level:

11th for first year students—Dual Credit

12th for second year students-Dual Credit

Automotive Technology is a two-year program designed for students to pursue a career or further study in automotive mechanics. Students will learn automobile history, structure, theory, and repair. In the first year students learn shop safety, tool identification and usage, and basic brake and electrical systems. In the second year, students train in advanced engine performance, steering and suspension systems, wheel alignment, and advanced electrical and brake diagnosis. Students will be prepared for entry-level positions as technicians in dealerships, as parts specialists, or for further education. *College placement test required.*



Courses	Block	College Dual Credits
Auto Tech 1	3 rd —4 th	AUT 101 Automotive Fundamentals
Auto Tech 2	3 rd —4 th	AUT 122 Suspension & Alignment
Auto Tech 3	1 st —2 nd	AUT 112 Braking Systems
Auto Tech 4	1 st —2 nd	AUT 132 Automotive Electricity
Industry Certifications		
<i>Microburst, OSHA 10</i>		
<i>ASE (Student): Brakes, Maintenance & Light Repair, Steering/Suspension, Engine Performance & Electricity</i>		

Community Night

This school year our Annual Community Night Industry Show Case was cancelled due to Covid-19.

SC Stem Signing Day 2021

South Carolina Stem Signing Day 2021 is presented by **Boeing and the SC Manufacturers Alliance.**

Stem Signing Day celebrates high school seniors who chose to pursue STEM education at technical programs, two-and four-year colleges, and universities.

All SC high school seniors who plan to attend a two-year or four-year college or university and pursue a STEM degree or program are eligible to apply. This year two CTE students are awarded and granted this opportunity. Last year SC Stem honored students from various career pathways and post-high school plans, such as seniors committed to welding and electrical apprenticeships, students pursuing four-year degrees in nursing, education, biology, and aerospace, as well as students with plans to attend technical colleges.



BE PRO BE PROUD

BEPROBEPROUDSC.ORG

The goal of Be Pro Be Proud SC is to inform & educate students and their parents about the high-skill, high-wage professions available to students immediately upon graduation from high school.

Abbeville County Career Center sponsored The Be Pro Be Proud mobile workshop for high schools, career fairs, community outreach events, military re-entry programs, and more. This mobile workshop contains high-tech, virtual reality, gamified simulators to give students hands-on experience with professions like welding, construction, heavy equipment operation, commercial driving, and more.

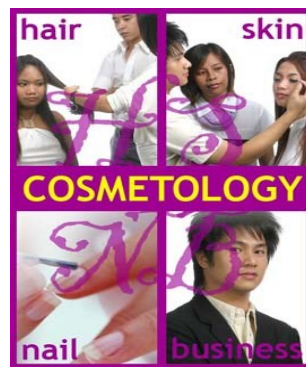


Cosmetology

Human Services Career Cluster

Grade Level: 11th for first year students
12th for second year students— State Licensure

Cosmetology is a two-year program designed to prepare students for passing a licensing examination and becoming licensed cosmetologists. The requirements for becoming a licensed cosmetologist are passing the State Board exam and successful completion of 1500 classroom hours. Students learn the basics of hair, skin, and nails, including scalp and hair treatments, massage, facials, manicures, pedicures, roller placement, and hair-cutting. Training includes personal hygiene, bacteriology, sanitation, professional ethics, shop management, and marketing and sales. In the second year, students will learn finger waves, pin curls, chemical waves, relaxers, hair press, artificial hair, hair coloring and much more. Students are prepared to work in salons, spas, other personal care facilities or to further their education. Additionally, students are also qualified to open their own business.



New State Board regulations regarding minimum hours and prerequisite grades for program continuation may be implemented this fall.

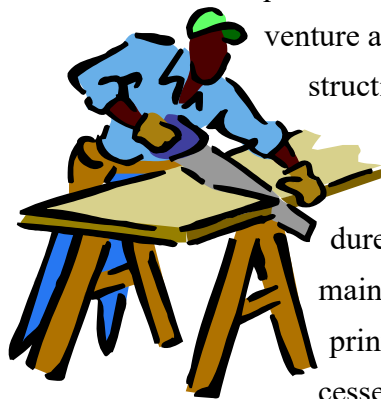
Courses	Block	Industry Certifications
Cosmetology 1	3 rd and 4 th	<i>SC Cosmetology License</i>
Cosmetology 2	3 rd and 4 th	<i>SC Braiders License</i>
Cosmetology 3	1 st and 2 nd	<i>Microburst</i>
Cosmetology 4	1 st and 2 nd	<i>OSHA 10</i>

Carpentry

Architecture and Construction Career Cluster

Grade Level:

10th or 11th for first year students
11th or 12th for second year students



More than a required course or elective, **Carpentry** is both an adventure and a career! While participating in construction work-based projects, students will learn aspects of residential and commercial construction including safety procedures, hand and electrical tools, equipment maintenance, shop management, blue print reading, and related mathematical processes. Instructions will include lab, on-site, and classroom activities. In the second year, students will be involved in design, layout, and selection of materials for individual construction projects. Students will gain advanced knowledge in construction, carpentry, building supply, roofing, electrical, and related fields. Students are prepared for entry-level positions in a construction related field or to further their education.

Courses	Block	Skills
Carpentry 1	3 rd and 4 th	<i>Blue Print Reading, Rough Construction Material Selection, Design, Roofing Electrical</i>
Carpentry 2	3 rd and 4 th	
Carpentry 3	1 st and 2 nd	Industry Certifications
Carpentry 4	1 st and 2 nd	<i>NCCER—Carpentry OSHA 10 Microburst</i>

Director's Report

Abbeville County Career Center (ACCC), like many schools in the state and the nation worked diligently to provide students the best education possible for amidst the presence of the COVID-19 pandemic. Efforts employed during this time have resulted in the discovery and usage of vast technology and virtual techniques to promote student achievement. At ACCC, students were provided instructional settings using varied technology tools and learning management systems. Google Classroom, Google Meet, and other Google platforms were used for instructional delivery. With the used of virtual and hybrid instructional formats, Career and Technical Education (CTE) knowledge and skill attainment were primarily guided by learning management systems such as Cengage Mindtap and iCEV, to minimize impact to continuing quality instruction.

ACCC witnessed the appearance of a new found resilience in faculty, staff, students, and parents during the COVID-19 pandemic, which we are confident will prepare us for varied future challenges. Opportunities exist to join our School Improvement Council or to become a part of the School Advisory Committee for one of our career center programs. We continue to encourage and seek new business partners, industries, community members, organizations, and parents to be a part of our continuous improvement process and annual school activities. We pride ourselves on staying up-to-date with business and industry trends so that our students complete our programs with the skills that lead to success and sustainable lifestyles.

Professional Development



Education Business Summit

- ⇒ *Distance Learning Playbook*
- ⇒ *Effective Blended Learning*
- ⇒ *Social Emotional Learning Training*

- ⇒ *CTE Reporting Guidelines and Procedures*

Jason Flatt

- ⇒ *The Mental Health Issues Surrounding Suicidal Ideation*

Administration

- ⇒ *Widget Effect*

Career and Technical Education

Culinary Arts

Hospitality and Tourism Career Cluster

Grade Level:

11th for first year students

12th for second year students-ProStart

Culinary Arts prepares students for gainful employment and/or entry into post-secondary education in food production and the service industry. The Culinary Arts program utilizes the National Restaurant Association's certificate program entitled ProStart. ProStart is a certification program that takes students beyond the typical courses of study by teaching the students real-world skills that they will use in their restaurant careers. The instructor assists students in finding a job with a mentor, who will teach and guide them through learning the skills necessary to complete the ProStart workplace checklist. Recognized throughout the restaurant and hospitality industry, students earn the National Pro-Start Certificate of Achievement after completing the 2 year program and 400 service hours in the industry.



Courses	Block	Industry Certifications
Intro to Culinary Arts Management	3 rd and 4 th	ServSafe Food Handler ServSafe Manager ProStart Microburst OSHA 10
Intro Hospitality & Tourism Management	3 rd and 4 th	
Culinary Arts I	3 rd and 4 th	
Culinary Arts II	1 st and 2 nd	
Event & Entertainment Management	1 st and 2 nd	

Health Science

Health Science Career Cluster

Grade Level: 11th for first year students—Dual Credit
12th for second year students-Clinicals

Health Science Technology is a two-year program designed to provide knowledge and entry-level skills required for a large number of medical careers. Students will learn entry-level skills for entering the medical field while exploring many different health careers. Through classroom and lab instruction, students will learn CPR, First Aid, medical terminology, personal care skills, physical therapy skills, medical legalities, anatomy, physiology, nutrition, and disease management. Six dual credit hours can be earned in the first year of Health Science. In the second year, students will prepare for internships in hospitals, nursing homes, and area medical facilities. Students participate in *Emergency, Surgery, Intensive Care, Physical Therapy, Respiratory Care, Radiology, Cardiology* clinicals to only name a few. Students are prepared for entry-level positions in the health care field or to further their education. *Passing Exit Exam and taking the college placement test are required. An average of 80 or higher in HS1 is recommended in order to progress to HS 2.*



Courses	Block	College Dual Credits
Health Science 1	3 rd and 4 th	AHS 102 Medical Terminology
Health Science 2	3 rd and 4 th	AHS 205 Medical Ethics and Law
Health Science 3	1 st and 2 nd	AHS 155 Special Topics in Health Care
Clinical Study Pharmacology for Medical Careers	1 st and 2 nd	AHS 163 Long Term Care PHM 101 Intro to Pharmacy
Industry Certifications		
<i>First Aid/CPR, CNA, Basic Life Support (BLS), OSHA 10 (HS), NHA, Pharmacy Tech & Microburst</i>		

SIC Annual Goals

- Increase the graduation rate of students who attend the Career Center.
- Create more opportunities for work placement with business and industry.
- Provide more rigor to support career and college readiness standards in reading, math, and science.
- Develop good work habits and an understanding of safety in the workplace.

Student Achievement

Abbeville County Career Center students first semester grade per performance yielded an average of 85% of the students receiving a grade of A/B in their career center programs of study.

Certifications Completed April 2021

OSHA 10 - (Year 2 students) Carpentry, Culinary Arts, Information Technology, Pre-Engineering, Welding

OSHA 10 - (Year 1 students) Information Technology, Pre-Engineering, Welding

Microburst - (Year 1 and 2 students) Carpentry

Pro Start, Serve Safe Food Handler and Serve Safe Managers) (Year 1 and Year 2 students) Serve Safe Food Handlers—Culinary Arts

Students were administered the Armed Services Vocational Aptitude Battery-Career Exploration (ASVAB-CEP) to support their career exploration. About 60% of the students scored a qualifying score for career readiness.

Program Tours & Presentations

This year because of the pandemic, face-to-face tours at Abbeville County Career Center were cancelled. Students at Abbeville High School, Dixie High School, Calhoun Falls Charter School, and McCormick High School toured Abbeville County Career Center virtually. Virtual tours can be found on our website under each program name.

<https://accc.acsdsc.org/o/abbeville-county-career-center/>

Highlights, Goals & Achievements

School Highlights

More than 20 students were extended an invitation to become members of the National Technical Honor Society for the 2020-2021 school year.

Virtual Career Day was held to expose 9th and 10th grade students to Young Business and Industry Professionals in Abbeville County. Invaluable information was shared by an individual from Sage Automotive Interiors, West Carolina Telephone, and Abbeville Area Medical Center. Additionally, students received information about Abbeville County Career Center Programs and dual enrollment opportunities at Lander University and Piedmont Technical College.

Students engaged in Career Exploratory experiences using technology tools. The Career Center WBL Coordinator conducted sessions to acclimate students to Journeys Map and Tallo. These resources provided students with information to discover and guide their career interests and showcase their background, knowledge and experiences that support them.

Pre-Engineering (PLTW)

Science, Technology, Engineering, Mathematics Career Cluster

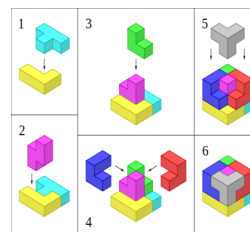
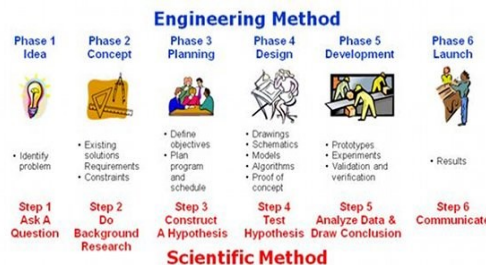
Grade Level: 11th for first year students—PLTW Dual Credit
12th for second year students—PLTW Dual Credit

In **Project Lead the Way** students will be introduced to the scope, history, rigor, and discipline of engineering with a strong emphasis on math, science, and technology. Students will use 3-D computer modeling software

and solve problems. They will explore technology along with the process

while incorporating the benefits of math and science. In addition, students will learn robotics, automated manufacturing, and create 3-D replicas of their own designs with a 3-D printer. This program is closely aligned with the engineering programs at USC, other universities, and most South Carolina state colleges.

Requirements: *Minimum scores on college placement test, successful completion of Geometry and Algebra 2 or concurrent enrollment. Overall GPA of 3.0 or higher. Courses must be taken in sequence. Dual credit courses may change to coincide with technical college requirements.*



Courses	College Dual Credits	Certifications
Intro Engin Design	EGT 152 Fund of CAD	<i>Autodesk Inventor Certified User CLAD OSHA 10 Microburst</i>
Principles of Engineering	EGR 130 Engin Apps & Prog	
Computer Integrated Man.	CIM 131 Computer Integrated Manufacturing	
Civil Engin & Architecture	AET 101 Building Systems I	

Networking Systems

Information Technology

Grade Level:

11th for first year students—IT Dual Credit
12th for second year students—IT Dual Credit

In **Information Technology** students will learn computer hardware and software along with networking and security. We will create secure networks as well as assemble and repair computers. Cybersecurity techniques to protect networks will be highlighted. Students will also take national certification exams for networking and computer systems. Program completers will earn up to 12 college credits transferable to 4 and 2 year colleges. Students are prepared for entry-level positions in engineering, architecture, robotics, and a variety of other engineering technician positions as well as computer networking and security.



Courses	Grade	Block	College Dual Credits
Network Fundamentals	11 th -12 th	1st	IST 220 Data Communication
Advanced Networking	11 th -12 th	2nd	CPT 282 Information Systems Security
Computer Repair Service	11 th -12 th	1 st	CPT 209 Computer Systems Management
Advanced Computer Operating Systems	11 th -12 th	2 nd	CPT 257 Operating Systems
Industry Certifications			
<i>Comp TIA Network+; Comp TIA Security+; A+; OSHA 10 Microburst Employability Skills</i>			

Welding Technology

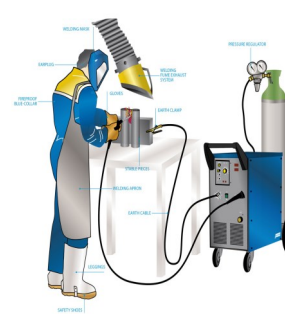
Manufacturing Cluster

Grade Level:

11th for first year students
12th for second year students

Welding Technology is a two-year program designed for students to obtain a welding certificate after the first year of completion and a welding diploma after the second year of completion. The welding curriculum supports the planning, managing, and performing the processing of materials into intermediate or final products. A career in welding also relates professional and technical support activities product control, planning and maintenance needs. The welding program prepares students for job in the mig, stick, and tig industries. The entire program provides dual enrollment courses for the students.

Correct and safe electric welding station



Courses	Block	Industry Certifications
Welding Technology 1	3 rd and 4 th	American Welding Society (AWS) Microburst OSHA 10
Welding Technology 2	3 rd and 4 th	
Welding Technology 3	1 st and 2 nd	
Welding Technology 4	1 st and 2 nd	