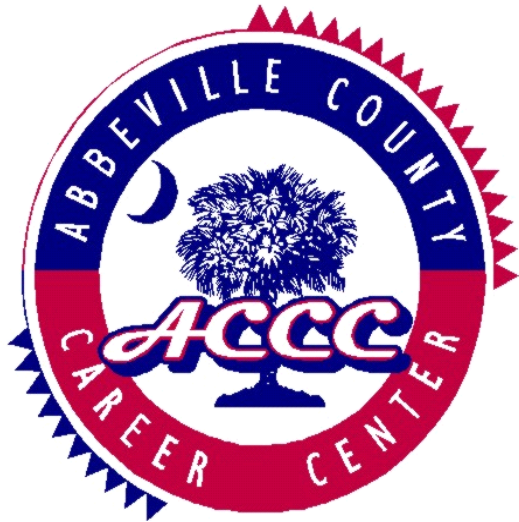# Thank You To Our Business Sponsors!

.Dual Credit through Piedmont Technical College:

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

"Preparing Our Students for the Future"

CATE

**THE ABBEVILLE COUNTY CAREER CENTER
WHERE DREAMS BECOME A REALITY!**

Abbeville County Career Center
"Preparing Our Students for the Future"

**Report to the Community
2017-2018**

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

CATE
Career and Technology Education

Automotive Technology
Transportation Career Cluster

Grade Level:
        11th for first year students
        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	3rd and 4th	AUT 101 Automotive Fundamentals
Auto Tech 2	3rd and 4th	AUT 112 Braking Systems
Auto Tech 3	1st and 2nd	
Auto Tech 4	1st and 2nd	
Industry Certifications		
Microburst *ASE (Student): Brakes, Maintenance & Light Repair, Steering/Suspension*		

Community Night

Each year the Career Center hosts Community Night. This fun-filled event provides career-to-work, technical, and post-secondary informational booths, business and industry presenters, food, live entertainment, kids activities, and more. Community Night offers CATE students who attend the Career Center post-secondary career exposure, work-based learning opportunities, and educational experiences that are needed to develop career goals. Additionally, Community Night helps the local and surrounding counties see what CATE has to offer while having a lot of fun at the same time.

Career Presenters

⇒ Voter Registration & Elections
⇒ Greenville Tech (Auto Program)
⇒ Hospice of Greenwood
⇒ Piedmont Education Business Alliance (PEBA)
⇒ Abbeville Humane Society
⇒ Health Related Home Care
⇒ Abbeville County Sheriff's Off
⇒ Abbeville County Adult Ed.
⇒ Abbeville Area Medical Center
⇒ Piedmont CMG, LLC
⇒ Upper Savannah REC
⇒ Piedmont Technical College
⇒ Upstate Area Health Ed. Center

⇒ WC-Tel
⇒ Prysmian Group
⇒ Pro Towels
⇒ Abbeville Co. Dev. Board
⇒ Bobbie's Unique Boutique
⇒ Classic Car Show
⇒ Monat Hair Products
⇒ Great Clips
⇒ Opulence Hair Salon
⇒ Rhodes Barber Shop

Director's Report Continued—

Likewise, our programs offer industry certifications and state licenses in the areas of Automotive Technology, Cosmetology, Culinary Arts, IT, Carpentry, and Health Science. The certifications and licenses are ASE Brakes, Maintenance and Light Repair, Steering and Suspension, Registered Cosmetologist, ProStart, Safe Serve, First Aid/CPR, CNA, Pharmacy Tech, Network +, CompTia A +, and Microburst. We encourage business partners, community members, organizations, and parents to continue to participate in school activities and annual school improvement projects. 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.

Dorinda Bell

Dorinda Bell, Director

10th Grade Tour

You may earn a Pharmacy Tech certification or Certified Nursing Assistant!

Engineers are always in the know-electrical, computer, and health care!

Licensed Cosmetologists are in high demand!

Want to begin your career in Automotive Industry?
Pursue Aerodynamics?
IT Professionals
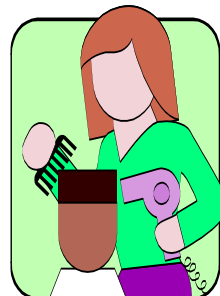Carpentry students are building a house!

Chefs are in demand everywhere!
Interested?

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.

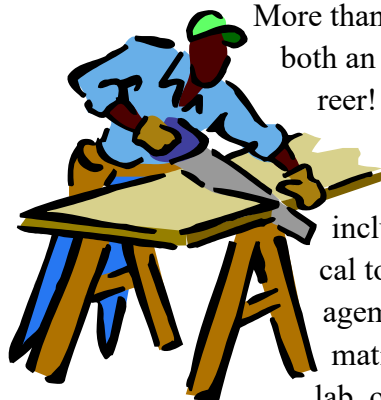| Courses	Block	Industry Certifications
Cosmetology 1	3rd and 4th	*Registered Cosmetologist*
Cosmetology 2	3rd and 4th	*Microburst*
Cosmetology 3	1st and 2nd	
Cosmetology 4	1st and 2nd	

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	3rd and 4th	*Blue Print Reading, Rough Construction Material Selection, Design, Roofing Electrical*
Carpentry 2	3rd and 4th	
Carpentry 3	1st and 2nd	**Industry Certifications**
Carpentry 4	1st and 2nd	*Microburst*

Director's Report

Abbeville County Career Center is preparing all students for real-world skills and career characteristics of the Profile of the South Carolina Graduate by offering sustainable programs in the areas of technical, industrial, educational, and commercial experiences that generate opportunities for success. The curriculum at the Career Center continues to provide practical, interactive, and hands-on activities throughout the classrooms that directly relate to college readiness and career preparedness. Our programs continue to offer more rigor and growth through the process of integrating academic and career-ready standards, goals and objectives.

Due to the Profile of the SC graduate, work-based opportunities and internship awareness has increased recruitment and retention efforts in all CATE programs that are offered. We continue to invest in our Center by offering sustainable programs that directly impacts our rural area. The opportunities that CATE offers give our students an edge in the areas of Technical Skill Proficiency, Academic Achievement, and Placement Rates. As in previous years, dual credit courses are offered as a part of the Project Lead the Way, Information Technology, Health Science, and Automotive Technology programs. Hands-on clinical training is conducted in the Health Science program and service learning in our Culinary Arts program. Clinical training is performed at the elementary schools in the district, Abbeville Area Medical Center, local doctor's offices and nursing homes throughout the county. The Cosmetology program operates a clinic that is open to the public once a week and provides hair-care and skin-care services. Our Culinary Arts program continues to show improvements in the ProStart State Competition by placing 5th in the Restaurant and Tourism division.

We are proud that our work-based learning experiences continue to grow from year to year.

Professional Development

EBS
South Carolina Education & Business Summit

Education   **Business**

National Alliance for Partnership in Equity (NAPE)

Summit

⇒ *Micromessaging and Realizing Potential with Mindset*

Southern Regional Education Board (SREB)

⇒ *Peer Networking and Sharing*

⇒ *Design Thinking and How It Can Support Student Thinking and Learning*

SafeSchools

⇒ *Homeless Students: Awareness and Understanding*

Jason Flatt

⇒ *The Mental Health Issues Surrounding Suicidal Ideation*

Virtual SC (Read to Succeed)

⇒ *R2S: Content Area Reading and Writing for CATE Teachers*

The World of CATE

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 ind... 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	3rd and 4th	*ProStart*
Hospitality Management & Operations	3rd and 4th	*Safe Serve*
Culinary Arts I	3rd and 4th	*Microburst*
Culinary Arts II	1st and 2nd	
Baking and Pastry	1st and 2nd	

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* clincials 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	3rd and 4th	AHS 102 Medical Terminology
Health Science 2	3rd and 4th	AHS 205 Medical Ethics and Law
Health Science 3	1st and 2nd	**Industry Certification**
Clinical Study Pharmacology for Medical Careers	1st and 2nd	*First Aid/CPR, CNA & Pharmacy Tech, Microburst*

Pre-Engineering (PLTW)

Science, Technology, Engineering, Mathematics Career Cluster

Grade Level: 11th for first year students—PLTW
12th for second year students—IT 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 to design and create program models to analyze and solve engineering problems. The students will explore technology systems along with the manufacturing 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.

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 will be discussed and 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.

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.

Networking Systems

Information Technology Career Cluster

Courses	College Dual Credits	Certifications
Intro Engin Design	EGT 152 Fund of CAD	*Network +, CompTia A+ Microburst*
Principles of Engineering	EGR 130 Engin Apps & Prog	
Net Fund	IST 220 Data Comm	
Computer Prog VB	CPT 186 Visual Basic Net I	
Computer Forensics	IST 268 Net Security Concepts	
Advanced Networking	CPT 282 Internet & Firewall Security	