ACE

BEAUFORT-JASPER ACADEMY
FOR CAREER EXCELLENCE

Ridgeland, SC 29936

PROGRAM OF STUDIES

2026-2027

"Proudly serving the students of Beaufort and Jasper Counties since 1976"

Beaufort-Jasper Academy for Career Excellence

80 Lowcountry Drive
Ridgeland, SC 29936
843-987-8107
Bjace.org

2026-2027
Program of Studies

BEAUFORT COUNTRY SCHOOL DISTRICT
Dr. Frank Rodriguez, Superintendent

JASPER COUNTY SCHOOL DISTRICT
Dr. Laura Hickson, Superintendent

ACE Director
Dr. Michael Lovecchio

ACE Asst. Director
Mrs. Carrie Chappell

ACE School Counselor
Mr. Woodie Melton IV

TO STUDENTS AND PARENTS/CAREGIVERS:

The Program of Studies at ACE is designed to guide students and parents in selecting the best-fit Career and Technical Education (CTE) programs. Thoughtful planning is encouraged to align students' interests with programs that ignite their passions and support their academic goals.

ACE dedicates significant effort to help students choose courses that meet their individual needs. The selection process involves collaboration among students, parents, teachers, and counselors to thoughtfully review options and make informed decisions.

Eleventh and twelfth-grade students and their families are encouraged to outline a tentative plan for their time at ACE, with yearly updates to ensure alignment with evolving goals.

Teachers and counselors at both ACE and feeder schools are available to provide guidance. Take advantage of their expertise to make well-informed decisions.

Dr. Mike Lovecchio
ACE Director

Course Availability

Courses outlined in the Program of Studies may have limited enrollment, as staffing decisions depend on course demand and available resources. Low enrollment or staffing constraints may result in course or section cancellations.

When enrollment is limited, priority will be given to students close to completing a program, followed by new enrollees. If a course becomes unavailable, affected students will be notified by their school counselor, who will assist in selecting alternative programs.

Scheduling conflicts may occur for courses at both ACE and feeder schools, so it is essential for students to prioritize their courses when planning their four-year academic program.

Prior to registering, make certain you have reviewed your graduation requirements with your school counselor

The Academy for Career Excellence does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. Inquiries regarding the nondiscrimination policies should be made to: Director, ACE, 80 Lowcountry Drive, Ridgeland, SC 29936, (843) 987- 8107

Table of Contents:

Eligibility Criteria 5

Construction & Manufacturing 6

i. Building Construction & Design Technology
ii. Electricity
iii. Welding

Transportation, Operations & Logistics 7

i. Automotive Collision Repair Technology
ii. Automotive Technology
iii. Marine Technology

Hospitality & Human Services 9

i. Culinary Arts
ii. Emergency Medical Services (EMS)
iii. Health Sciences (Nursing)

Beauty Culture 11

i. Cosmetology
ii. Master Haircare (Barbering)
iii. Nail Technology

TCL Dual Enrollment 12

Registration Form 13

ACE Eligibility Criteria

All students are encouraged to attend ACE. At times it is necessary to determine fit. ACE will consider the following factors when determiningeligibility for enrollment.

- **Students must be at grade level** and have met district and state graduation requirements up to enrollment date.

- **Previous grades, attendance, and discipline**
    - Due to the requirements associated with ACE programs, students must demonstrate academic capability, personal responsibility, and ability to adhere to program related safety standards.

- **Student IGP's must align with the ACE program** in which they are enrolling.

- **Students must be eligible to take all required state and national certification tests**associated with each program. Criteria for these tests are determined by national and state agencies.

- **Cosmetology, Barbering, Nail Tech and Health Science Tech students must be at least 16 years old** to enroll and commit to attending two full semesters and one-half semester at ACE.
    - *Students must have a SC State or Federally Issued ID, birth certificate and a social security card to take the state licensing examination.*

- **Barbering and Cosmetology students must obtain necessary clock hours each semester to progress to the next course level.** Mandatory hours will be provided outside of school time to allow students to meet the state requirements. Both programs require a kit (~$300) prior to the start of classes. Lastly, barbering students need to complete aTB test prior to the start of school.

- **EMS is a one semester class, open to seniors only**, and leads to students taking the EMT certification exam. The examination can be taken any time, but EMT licensure will not be awarded until the student is 18 and has a high school diploma.
    - Students must have a SC State or Federally Issued ID, birth certificate and a social security card to take the state licensing examination.
    - Students in EMS will not take English at ACE.

Note: Work-based credit is available for all programs. Please see our Career Development Facilitator or instructor for additional details.

CONSTRUCTION & MANUFACTURING

I. Building Construction & Design Technology

Building Construction prepares individuals to apply technical knowledge and skills in the building,inspecting, and maintaining structures and related properties in accordance with state and localstandards. Students build structures and engage in problem-based learning that exposes them to commercial, industrial, residential, public works and institutional technologies to help them understand the jobs of construction careers. They learn proper safety procedures for tools and machinery, vocabulary and terms associated with construction, blueprint reading, and symbols associated with architecture, and math concepts and principles used in construction.

Industry Recognized Certifications: NCCER & OSHA 10

Building Construction I (1 Credit) **(2nd Semester Grade 11)**
Building Construction II (2 Credits)
Building Construction III (1 Credit)
Building Construction IV (2 Credits) **(1st Semester Grade 12)**

Course Codes: 6060, 6061, 6062, 6063
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

II. Electricity

The electricity program provides a survey of theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. Through hands-on experiences, students continue building skills in the installation, operation, maintenance, and repair of electrical systems, with emphasis on industrial applications. They also study lighting fixtures, overcurrent protection, service equipment, motor controls, transformers, grounding, and the National Electrical Code (NEC) Book.

Industry Recognized Certifications: NCCER & OSHA 10

Electricity I (1 Credit) **(2nd Semester Grade 11)**
Electricity II (2 Credits)
Electricity III (1 Credit)
Electricity IV (2 Credits) **(1st Semester Grade 12)**

Course Codes: 6287, 6288, 6289, 6290
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

III. Welding

Welding is designed to provide students with the skills and knowledge to effectively perform cutting and welding applications used in the construction industry or in advanced manufacturing.Students will develop proficiency in fundamental safety practices in welding, interpreting drawings, creating computer aided drawings, identifying, and using joint designs, efficiently layingout parts for fabrication. This program will provide the students with skills in basic Shielded metalarc welding (SMAW), gas metal arc welding (GMAW), Flux core arc welding (FCAW), Gas tungstenarc welding (GTAW), as well as quality control methods.

Industry Recognized Certifications: American Welding Society Certification (AWS) & OSHA 10

Welding I	(1 Credit)	**(2nd Semester Grade 11)**
Welding II	(2 Credits)	
Welding III	(1 Credit)	**(1st Semester Grade 12)**
Welding IV	(2 Credits)	

Course Codes: 6340, 6341, 6342, 6343
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

TRANSPORTATION, OPERATIONS & LOGISTICS

I. Auto Collision Repair Technology *(Auto Body)*

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles. Automotive Collision Repair Technology students receive instruction in frame alignment, surface finishing, and shop management. Upon successfulcompletion of the program standards, the student will be prepared for postsecondary education and entry-level automotive collision repair-related careers. Program standards are based on NATEF-ASE, Vehicle Manufacturers, and I-CAR industry standards

Industry Recognized Certifications: I-CAR, ASE & OSHA 10

Auto Collision I	(1 Credit)	**(2nd Semester Grade 11)**
Auto Collision II	(2 Credits)	
Auto Collision III	(1 Credit)	
Auto Collision IV	(2 Credits)	**(1st Semester Grade 12)**

Course Codes: 6020, 6021, 6022, 6023
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

II. Auto Technology

Students will explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes. In the second half of the program, students will learn about advanced tasks in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes. They also learn about electrical, electronic, and HVAC systems in automobiles. Students who successfully complete the Automotive Technology program may be eligible to take the Automotive Service Excellence (ASE) Student Certification examination. The ASE Student Certification is the first step in building a career as a service professional in the automotive industry.

Industry Recognized Certifications: ASE, EPA Section 609 Refrigerant & OSHA 10

Auto Technology I	(1 Credit)	**(2nd Semester Grade 11)**
Auto Technology II	(2 Credits)	
Auto Technology III	(1 Credit)	
Auto Technology IV	(2 Credits)	**(1st Semester Grade 12)**

Course Codes: 6030, 6031, 6032, 6033
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

I. Marine Technology *(Marine Craft Maintenance and Repair)*

In the Marine Tech program, students are exposed to service and repair of watercraft and marinaoperations, students learn marine trade skills in areas including shop and boating safety, inboardand outboard systems, carpentry, electricity, and vessel storage/handling. In addition, students will gain entry-level marine trade skills in areas including inboard and outboard systems, fiberglassconstruction and repair, welding, and tools and equipment operation. The course is based on theYamaha Marine Tech Standards and National Marine Trades Curriculum, developed by the American Boat and Yacht Council (ABYC). Students will be able to obtain a certification as a Yamaha Marine Technician.

Industry Recognized Certifications: Yamaha Marine Technician, ABYC & OSHA 10

Marine Technology I	(1 Credit)	**(2nd Semester Grade 11)**
Marine Technology II	(2 Credits)	
Marine Technology IIII	(1 Credit)	
Marine Technology IV	(2 Credits)	**(1st Semester Grade 12)**

Course Codes: 6971, 6972, 6973 & 6974
Grade Level: 11 & 12
Prerequisite: No prerequisite for Level 1; Courses taken sequentially

Fall 2026 Only

Marine Technology I	(1 Credit)	**(1st Semester Grade 11 or 12)**
Marine Technology II	(2 Credits)	
Marine Technology IIII	(1 Credit)	
Marine Technology IV	(2 Credits)	

HOSPITALITY & HUMAN SERVICES

I. Culinary Arts

Culinary Arts is a one semester program that prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content providesstudents with the opportunity to acquire marketable skills by examining both the industry and its career opportunities. This course emphasizes skills in the following areas: cuisines, culinary basics,culinary mathematics, dining room operations, food production techniques, food service management, menus nutrition, professionalism, recipes, safety and sanitation, and sustainability.The program will be augmented by the school Food Truck as well onsite opportunities.

Industry Recognized Certifications: ServSafe Server, ServSafe Manager & Prostart (NRAEF)

Culinary I	Course Code- 5720	(1 Credit)	**Fall Semester**
Culinary II	Course Code- 5721	(2 Credits)	**Grade 11 or 12**

II. Emergency Medical Services (EMS)

Emergency Medical Services (EMS) is a one semester honors program, open to high school seniors, designed to teach students how to recognize and respond to various emergencies. Students willreview basic anatomy and physiology as it relates to injury management and treatment. Studentswill learn about legal and ethical implications, communications, safety, infection control and professionalism. Focus will be on skills necessary to recognize, care, and transport patients fromemergency scenes to the hospital. Students will obtain BLS certification with the potential of becoming a licensed EMT*.

This course is offered for high school seniors. Students may begin the course prior to their 18th birthday, however, to take the National Registry Examination for EMT, the student must be at least 18 years old. Further information regarding EMT requirements can be found at the NationalRegistry of Emergency Medical Technicians: *www.nremt.org*; South Carolina EMS Educators Association, *www.scems.com/edassn*; and South Carolina Department of Health and Environmental Control, *http://www.scdhec.gov/hr/ems*.

Industry Recognized Certifications: BLS, OSHA 10 & EMT*

*NOTE: **National Registry allows candidates under the age of 18 to test for their certification. Students must test, receive their passing scores, and once the student turns 18 AND possessesa high school diploma, they can apply for their full practicing certification National registry cardexpires in two years and state certification expires every four years.**

EMS I *(Honors)*	(1 Credit)	**Any Semester**
EMS II *(Honors)*	(1 Credit)	**Grade 12**
EMS III *(Honors)*	(2 Credit)	

Course Code: 5531, 5532 & 5533
Grade Level: 12
Prerequisite: Must be in Grade 12; Recommended 2.5 GPA; Courses taken sequentially

III. Nursing/Health Science (CNA)

Health Science I	(1 Credit)	(**2nd Semester Grade 11)**
Health Science II	(2 Credits)	
Health Science III	(1 Credit)	
Health Science Clinical	(2 Credits)	**(1st Semester Grade 12)**

Industry Recognized Certifications: Certified Nursing Assistant (CNA)*, CPR & Medical OSHA 10
*Students must be 16 years of age, have a state ID and social security number to take the statelicensing exam.

Health Science I & Health Science II
In Health Science I & II, students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. In addition, students will focus on interpreting vital signs, first aid and CPR.

Course Code: 5550 & 5551
Grade Level: 11 & 12
Prerequisite: Biology 1, Courses taken sequentially

Health Science Human Structure, Function & Disease and Health Science Clinical (*Honors)*
Health Science Human Structure, Function & Disease *(Honors)* focuses on the human body. Students will gain knowledge of all human body systems and how they work (Anatomy and Physiology). This course will emphasize the study of disease, prevention and treatment (Pathophysiology). Health Science Clinical Study *(Honors)* is designed to give students clinical experience. This course can be a Certified Nurse Aide program, or an individualized work based clinical experience for the student. Students will have classroom timeto review the necessary skills and qualifications needed to complete rotating internships that willrequire travel to worksites. This 40-hour Clinical Study program is meant to be a flexible programthat works with district adapted clinical programs and certifications

Course Code: 5552 & 5560 *(Honors)*
Grade Level: 11 & 12
Prerequisite Health Science 1 & 2 and CPR/First Aid certification

BEAUTY CULTURE

I. Cosmetology

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation(SCLLR) Cosmetology Board. The course of study includes Sanitation and Safety, Professionalism and Salon Management, Sciences of Cosmetology, Professional Hair Care Skills, Professional Nail Care Skills, Professional Skin Care Skills, and Unassigned Specific Needs. Instruction in chemistry,bacteriology, anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application. *Students mustbe 16 years of age, pay for a student materials kit and have a state ID and social security numberto be allowed to take the state licensing exam.*

Cosmetology I	(2 Credits)	**(2nd Semester Grade 11)**
Cosmetology II	(2 Credits)	
Cosmetology III	(2 Credits)	
Cosmetology IV	(2 Credits)	**(1st Semester Grade 12)**

***Students will need to attend additional clinical workshops offered throughout the school year(on weekends) to meet the LLR Licensing Requirements. These will occur during evenings, weekends and school breaks/vacations.**

Course Code: 6150, 6151, 6152, 6153 & 5790
Grade Level: 11 & 12
Credits/Hours: 8 units/1000 hours plus 540 academic hours required by SCLLR

II. Master Hair Care (Barbering)

The Barber/Master Hair Care Specialist Program is designed to prepare students to become Registered Barbers. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation (SCLLR) Barber Board. Students will perform techniques such as hair cutting and styling, facial treatments, trimming andshaving facial hair, chemical hair relaxing, tinting, coloring, shampooing, and rinsing. Instructionin chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and practical application. Students must be 16years of age, pay for a student materials kit and have a state ID and social security number to be allowed to take the state licensing exam.

Barbering I	(2 Credits)	**(2nd Semester Grade 11)**
Barbering II	(2 Credits)	
Barbering III	(2 Credits)	
Barbering IV	(2 Credits)	**(1st Semester Grade 12)**

***Students will need to attend additional clinical workshops offered throughout the school yearto meet the LLR Licensing Requirements. These will occur during evenings, weekends and schoolbreaks/vacations.**

Course Code: 6158, 6159, 6160, 6161 & 5790
Grade Level: 11, 12
Credits/Hours: 8 units/1000 hours plus 540 academic hours required by SCLLR

III. Nail Technology

The Nail Technology program is designed to prepare students to become licensed nail technicians. NailTechnology students receive training in the art and science of the care and beautification of nails. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation (SCLLR) Cosmetology Board. The course of study includes instructionin diseases and disorders, chemistry, biology and anatomy, and physiology of the arms, hands, and feet. Manicures, pedicures, tips, sculptures, gel nails and wraps are incorporated by means of theory and practical application on both mannequins and live models. Also included during study issalon planning and management. Students must be 16 years of age, have a state ID and social securitynumber to be allowed to take the state licensing exam.

Nail Tech I	(1 Credit)	**(2nd Semester Grade 11)**
Nail Tech II	(2 Credits)	
Nail Tech III	(1 Credit)	
Nail Tech IV	(2 Credits)	**(1st Semester Grade 12)**

Course Code: 6154, 6155, 6156, 6157
Grade Level: 11 & 12
Credits/Hours: 4 units/300 hours required by SCLLR plus 180 hours SCDE or a total of 480 hours

Technical College of the Lowcountry Courses

ACE offers courses for TCL credit on the ACE Campus. These courses are tuition free and allow students to earn college credit while attending ACE. Students must meet outlined GPA requirements or pass the Accuplacer Exam.

Culinary Arts Courses (Spring Semester Only)

2.5 GPA or Pass the Accuplacer Exam

CUL 101 Principles of Food Production (3 Credits)
This is an introductory course in food preparation, including kitchen safety and sanitation. Emphasis is placed on the practical presentation of simple foods, terminology, and techniques of preparation of nutritious quality food.

HOS 140 - The Hospitality Industry (3 Credits)
This course is a survey of the hospitality industry and the principles of operations of both lodging and food service industries.

HOS 155 Hospitality Sanitation (3 Credits)
The National Restaurant Association developed the ServSafe Food Safety Training Program to help train the food service industry on all aspects of food safety. At the end of the class all students will take the ServSafe Manager Certification exam. The Southern Association of Colleges and Schools (SACS) requires students to pass this exam to be awarded an associate degree from TCL

English Courses

3.0 GPA or Pass the Accuplacer Exam

English 101 (3 Credits)
The focus of English 101 is to help you become a more proficient writer and to help you to develop the strategies and skills that can applied to a variety of writing situations. You will develop your ability to produce text that clearly expresses your ideas and that is mechanically correct. In this course you will also be introduced to the principles and methods related to conducting research and incorporating the results of your research into your writing.

English 102 (3 Credits) *Prerequisite English 101
This is a discussion-based course in which students will analyze the readings based on questions presented by the instructor. Students will, oftentimes, work in groups to answer specific questions based on assigned readings. Students will be tested 3 times during the semester, as tests will cover the three principal genres of literature: Short Stories, Drama, and Poetry.

BEAUFORT-JASPER ACADEMY FOR CAREER EXCELLENCE

2026-2027 ENROLLMENT APPLICATION

Student Name:		**Address:**
Feeder School:		**Parent Name:**
Current Grade Level:		**Parent Phone:**
DOB:		**Parent Email:**

Please number your Programs by Choices: 1 & 2 (in order)

Reminder that students attending ACE will take program courses along with appropriate ELA course except for Barbering, Cosmetology and EMS.

CHOICE	PROGRAM	PROGRAM NOTES
	Auto Collison Repair	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & iCar
	Automotive Technology	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, Section 609 & ASE (Entry Level)
	Barbering/ Master Hair Care	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & SC State Barbering License **A kit fee (roughly $300), a completed TB test and state permit are required. Students must be at least 16 years old and submit required documents with application. Students must successfully complete 1540 Hours to Test.** • **Required Documents Include:** ○ **Birth Certificate** ○ **Social Security Card** ○ **South Carolina ID (License, Permit, etc.)** ***No ELA Class with Barbering***
	Building Construction	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & NCCER
	Cosmetology	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & SC State Cosmetology License **Students must be at least 16 years old, pay a kit fee (roughly $365) and submit required documents with application. Students must successfully complete 1540 Hours to Test.** • **Required Documents Include:** ○ **Birth Certificate** ○ **Social Security Card** ○ **South Carolina ID (License, Permit, etc.)** ***No ELA Class with Cosmetology***
	Culinary Arts	**1 Semester Program** that students can enroll in Fall or Spring semester as a Junior or Senior Industry Certifications Available: CPR, OSHA 10 & ServeSafe Food Handler & ServeSafe Manager Check to Indicate Which Semester: Fall Semester: _____ Spring Semester: _____

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CHOICE	PROGRAM	NOTES
	Electricity	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & NCCER
	Emergency Medical Services (EMS)	**1 Semester Honors Level Program** that students can enroll in either semester as a Senior. **Students must be at least 17 years old and submit required documents with application.** **GPA of 2.5 or above is recommended for EMS.** ***NO ELA CLASS with EMS*** • **Required Documents Include:** ○ **Birth Certificate** ○ **Social Security Card** ○ **South Carolina ID (License, Permit, etc.)** ○ **Score of 4 or better on all 3 sections of the WIN Test (Math, Reading & Work Ready Data) or a Score of 31 or above on the ASVAB** Check to Indicate Which Semester: Fall Semester: _____ Spring Semester: _____
	Health Science/Nursing	**2 Semester Program** that starts in Spring Semester of Junior Year. **Course Levels III & IV are Honors Level.** Industry Certifications Available: CPR, OSHA 10 & SC State CNA License **Students must be at least 16 years old and submit required documents with application.** • **Required Documents Include:** ○ **Birth Certificate** ○ **Social Security Card** ○ **South Carolina ID (License, Permit, etc.)**
	Marine Tech	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10, ABYC & Yamaha
	Nail Tech	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & SC State Nail Technician License **Students must be at least 16 years old and submit required documents with application.** • **Required Documents Include:** ○ **Birth Certificate** ○ **Social Security Card** ○ **South Carolina ID (License, Permit, etc.)**
	Welding	**2 Semester Program** that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10, & AWS

ELA COURSE
CHECK IF REQUESTING HONORS

HONORS LEVEL	
Student Signature	Date
Parent Signature	Date
Counselor Signature	Date
School Admin Signature	Date