

ACE

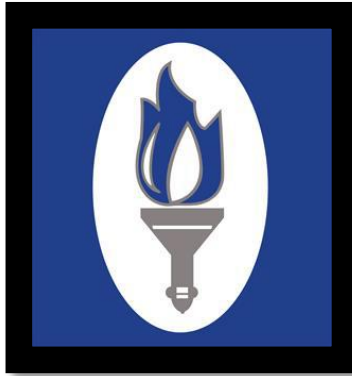
BEAUFORT-JASPER ACADEMY
FOR CAREER EXCELLENCE

Ridgeland, SC 29936



PROGRAM OF STUDIES

2024-2025



"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

2023-2024
Program of Studies

BEAUFORT COUNTRY SCHOOL DISTRICT

Dr. Frank Rodriguez, Superintendent

JASPER COUNTY SCHOOL DISTRICT

Dr. Rechel Anderson, Superintendent

ACE Director

Dr. Michael Lovecchio

ACE Asst. Director

Mrs. Adrienne Jones

TO STUDENTS AND PARENTS/CAREGIVERS:

The purpose of the *Program of Studies* is to help students and parents make choices from among the range of career and technical (CTE) programs available at ACE. The selection of an appropriate program requires careful thought. Students are encouraged to develop their current interests and find a CTE program that sparks a passion.

At ACE, a vast amount of time and effort is dedicated to assist students in selecting courses which best fit each individual's academic needs and interests. The course selection procedure is designed to ensure that students, parents, teachers, and school counselors all collaborate and contribute to the decision-making process by thoughtfully reviewing course options.

Eleventh and twelfth grade students and their parents are asked to tentatively select all of their courses desired during their time at ACE. While the plan will require updating each year, advance planning will help to ensure that your goals are attained.

Teachers and Counselors from both your feeder school and ACE are available to provide assistance to all parents/caregivers and students. Please take advantage of their expertise and make your important decisions after careful thought.

Dr. Mike Lovecchio
ACE Director

Course Availability

All courses outlined in *The Program of Studies* may be limited in enrollment. Staffing decisions are dependent upon course enrollments and available resources. Low enrollment or staffing constraints may result in the cancellation of courses and/or sections. When enrollment must be limited, preference will be given first to those closest to completing a program followed by new enrollees. If a course is not available for any of the reasons stated above, affected students will be notified by their school counselor, who will assist students in making alternative program selections. Conflicts in scheduling could occur for any course at both ACE and at your feeder school; therefore, it is important for students to make certain to prioritize their courses when planning out 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

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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 determining eligibility for enrollment.

- **Students must be on 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 in order 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 (roughly \$300) prior to the start of classes. Lastly, barbering students need to complete a TB 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 at any time, however EMT licensure will not be awarded until student is 18 and possesses 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.

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 of structures and related properties in accordance with state and local standards. 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)	}	(1st Semester Grade 12)
Building Construction IV (2 Credits)		

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 the 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)	}	(1st Semester Grade 12)
Electricity IV (2 Credits)		

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 laying out parts for fabrication. This program will provide the students with skills in basic Shielded metal arc welding (SMAW), gas metal arc welding (GMAW), Flux core arc welding (FCAW), Gas tungsten arc 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 successful completion 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)	}	(1st Semester Grade 12)
Auto Collision IV	(2 Credits)		

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 10Auto

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

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 marina operations, students learn marine trade skills in areas including shop and boating safety, inboard and 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, fiberglass construction and repair, welding, and tools and equipment operation. The course is based on the Yamaha 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 10Marine

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

Course Codes: 6971, 6972, 6973 & 6974

Grade Level: 11 & 12

Prerequisite: No prerequisite for Level 1; Courses taken sequentially

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 provides students 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, menu nutrition, professionalism, recipes, safety and sanitation, and sustainability. The program will be augmented by a school Food Truck as well onsite opportunities.

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

Culinary I	Course Code- 5720	(1 Credit)	1st 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 will review basic anatomy and physiology as it relates to injury management and treatment. Students will learn about legal and ethical implications, communications, safety, infection control and professionalism. Focus will be on skills necessary to recognize, care, and transport patients from emergency 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 National Registry 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 possesses a high school diploma, they can apply for their full practicing certification. National registry card expires in two years and state certification expires every four years.**

EMS I (<i>Honors</i>)	(1 Credit)	Any Semester
EMS II (<i>Honors</i>)	(1 Credit)	Grade 12
EMS III (<i>Honors</i>)	(2 Credit)	

Course Code: 5531, 5532 & 5533

Grade Level: 12

Prerequisite: Must be in Grade 12 with 2.6 GPA; Courses taken sequentially

III. Law Enforcement Services

Law Enforcement is a one semester program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operations and maintenance, report preparation and other routine law enforcement responsibilities.

Law Enforcement I	(1 Credit)	Any Semester
Law Enforcement II	(2 Credits)	Grade 11 or 12

Course Code: 6510, 6511
Grade Level: 11 & 12

III. Nursing/Health Science (CNA)

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

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 III & Health Science Clinical (*Honors*)

Health Science III (*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 a 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, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application. *Students must be 16 years 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.*

Cosmetology I	(1 Credit)	}	(2nd Semester Grade 11)
Cosmetology II	(2 Credit)		
Cosmetology III	(2 Credits)	}	(1st Semester Grade 12)
Human Services (Internship)	(1 Credit)		
Cosmetology IV	(2 Credits)	}	(2nd Semester Grade 12- ½ Day @ ACE)

***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 and shaving of facial hair, chemical hair relaxing, tinting, coloring, shampooing, and rinsing. Instruction in 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 16 years 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	(1 Credit)	}	(2nd Semester Grade 11)
Barbering II	(2 Credit)		
Barbering III	(2 Credits)	}	(1st Semester Grade 12)
Hair Braiding	(1 Credit)		
Barbering IV	(2 Credits)	}	(2nd Semester Grade 12- ½ Day @ ACE)

***Students will need to attend additional clinical workshops offered throughout the school year to meet the LLR Licensing Requirements. These will occur during evenings, weekends and school breaks/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. Nail Technology 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 instruction in 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 in the course of study is salon planning and management. **Students must be 16 years of age, have a state ID and social security number 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)	}	(1st Semester Grade 12)
Nail Tech IV	(2 Credits)		

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 unweighted GPA or Pass the Accuplacer Exam

CUL 101 Principles of Food Production I (3 College Credits, 1 High School Credit)

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.

CUL 102 Principles of Food Production II (3 College Credits, 1 High School Credit)

This course is a study of the preparation of food categories such as sauces, salads, baked products, meats, poultry, vegetables, etc. Special attention is given to presentation and garnishing.

HOS 140 - The Hospitality Industry (3 College Credits, 1 High School Credit)

This course is a survey of the hospitality industry and the principles of operations of both lodging and food service industries.

English Dual Enrollment 3.0 unweighted GPA or Pass the Accuplacer Exam

English 101 (3 College Credits, 1 High School Credit)

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 be 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.

BEAUFORT-JASPER ACADEMY FOR CAREER EXCELLENCE

2024-2025 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 the appropriate ELA course; except for 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
	Barbering/ Master Hair Care	2 ½ 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), 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
	Building Construction	2 Semester Program that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & NCCER
	Cosmetology	2 ½ Semester Program that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10 & SC State Cosmetology License A kit fee (roughly \$300), is required. Students must be at least 16 years old and submit required documents with application. Students must successfully complete 1540 Hours to Test
	Culinary Arts (1st Semester only)	1 Semester Program that students can enroll in Fall semester as a Junior or Senior Industry Certifications Available: CPR, OSHA 10 & ServeSafe Food handler & ServeSafe Manager
	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 Industry Certifications Available: BLS, NIMS, EMT Certification Students must be at least 16 years old and submit required documents with application. GPA of 2.5 or above is recommended for EMS. *NO ELA CLASS with EMS*

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CHOICE	PROGRAM	NOTES
	Law Enforcement	1 Semester Program that students can enroll in either semester as a Junior or Senior Industry Certifications Available: CPR, OSHA 10 & FEMA
	Nursing/ Health Science	2 Semester Program that starts in Spring Semester of Junior Year. Course Level III & IV are Honors Level. Industry Certifications Available: BLS, NHSC, OSHA 10 & SC State CNA License Students must be at least 16 years old and submit required documents with application.
	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
	Welding	2 Semester Program that starts in Spring Semester of Junior Year. Industry Certifications Available: CPR, OSHA 10, & AWS

TCL- DUAL CREDIT

Choice	PROGRAM	DESCRIPTION
	Culinary Arts <i>(2nd Semester only)</i>	Course only offered second semester (spring). Students will need a 2.5 GPA to be enrolled in TCL. Students who pass all three courses receive nine (9) TCL credits. <ul style="list-style-type: none"> • CUL 101 Principles of Food Production I • CUL 102 Principles of Food Production II • HOS 155 Hospitality Sanitation
	English 101	3.0 GPA or Pass the Accuplacer Test. (3 Credits)
	English 102	Must Complete English 101 as well as have 3.0 GPA or Pass the Accuplacer Test. (3 Credits)

ELA COURSES

CHECK IF REQUESTING HONORS

HONORS LEVEL

Student Signature	Date
Parent Signature	Date
Counselor Signature	Date
School Admin Signature	Date

DATE APPLICATION SUBMITTED TO ACE: _____