

Golden Strip Career Technology Center Courses

2012-13

Please visit our website at <http://www.greenville.k12.sc.us/gstripcc/> to complete an application.

The online application shows your interest in the course but **does not register** you for the course unless you are a private or home school student. YOU MUST INDICATE YOUR FIRST CHOICE COURSE IN THE ONLINE STUDENT REGISTRATION SYSTEM. You will be notified via email regarding your acceptance to the career center. You do NOT need to complete this application if you will be returning to the career center for the second or third year. Returning students should see the Counselor at the career center or your high school regarding scheduling concerns.

*****Duration of center courses is 3 periods (Periods 1-3 or Periods 5-7)
For JLMann, Mauldin & Southside High Schools*****

*****Duration of center courses is 2 periods (Periods 1-2 or Periods 3-4)
For Hillcrest & Woodmont High Schools*****

*****Bus Transportation is provided to center or students may drive personal vehicle*****

For more information contact Gwen Worthington at 355-1051

Advertising 1(547006CD) Unit credit: Total of 2 Suggested grade level 10-12 - MUST BE PAIRED WITH MARKETING 1

This course is designed for students interested in obtaining information about all aspects of advertising. Students will study theory and create actual advertisements and displays for various media.

Marketing in Today's Economy 1(542106CD) Unit credit: Total of 2 MUST BE PAIRED WITH ADVERTISING 1

This course should be paired with Advertising. This course introduces marketing concepts, examines economic and marketing and business fundamentals, and overviews the marketing functions of selling, promotion, and distribution. Some human resource fundamentals are included.

Advertising 2(547018CD) Unit credit: Total of 2 Prerequisite: Advertising 1 – MUST BE PAIRED WITH MARKETING 2

Marketing in Today's Economy 2(542118CD) Unit credit: Total of 2 Prerequisite: Marketing 1 – MUST BE PAIRED WITH ADVERTISING 2

Animal Science for the Workplace 2A (Pre-Vet 1st Semester) (560906CD) Unit credit: 2 Suggested grade level 10-12

(Animal Science for the Workplace 1 is NOT a prerequisite for Animal Science for the Workplace 2)

Ag Science Tech for the Workplace 1A (Pre-Vet 2nd Semester) (562006CD) Unit credit: 2

These courses are designed to prepare students for a career in veterinary medicine or the companion animal industry. Students will study the diagnosis and treatment of animal diseases. Students will have hands-on experiences with the principles and practices essential in the production and management of small and large breed animals. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, and physical examinations along with common surgical skills as well as understanding related to plant and animal life including biotechnology, and the conservation of natural resources. Students will engage in a variety of laboratory activities and will participate in shadowing and/or other school-to-work experiences. Typical instructional activities include hands-on experiences with shop and barn animals on the career center's campus. Students also participate in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Ag Ed Work-based 2(Animal Science – Year 2) (569006CD) Unit credit 2 Prerequisite: Animal Science 1A/1B AND Instructor Approval

Ag Ed Work-based 2A(Animal Science – Year 2) (569018CD)

Unit credit 2 Prerequisite: Ag Ed Work-based 2 AND Instructor Approval

The purpose of the Co-operative work experience is to work in the animal science field and gain related hands-on experience.

Automotive Collision Repair Technology 1A(602006CD) Unit credit: 2 Suggested grade level 10-12 Prerequisite: Algebra 1 or Math Tech 2

Automotive Collision Repair Technology 1B(602018CD) Unit credit: 2 Prerequisite: Auto Collision Repair Technology 1A

Automotive Collision Repair Technology 2A(602198HD) Unit credit: 2 Prerequisite: Auto Collision 1B (*Honors Credit*)

Automotive Collision Repair Technology 2B(602199HD) Unit credit: 2 Prerequisite: Auto Collision 2A (*Honors Credit*)

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced repair technician. Automotive collision repair technology students receive instruction in welding, body repair, surface finishing, and shop management. The cost of this course is approximately \$16.00.

Automotive Technology 1A(603008ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Suggested grade level 11 Prerequisite: Interview student and parent

Automotive Technology 1B(603020ED)) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Automotive Technology 1A

Automotive Technology 2A(603132ED)) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Automotive Technology 1B

Automotive Technology 2B(603144ED)) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Automotive Technology 2A

Automotive Technology Work-based 2(Auto Tech – Year 3) (679006CD) Unit Credit: 2 Prerequisite: Auto Tech 2 & Instructor Approval

Automotive Technology Work-based 2A (Auto Tech – Year 3) (679018CD) Unit Credit: 2 Prerequisite: Auto Tech 2 & Instructor Approval

The Automotive Technology program is designed to prepare students to perform routine maintenance and service on all types of automobiles under the supervision of an experienced automotive technician. Automotive technology students receive instruction in safety, troubleshooting, and repair of engines and electrical systems as a foundation. Special emphasis is given to the established competencies based on the ASE/NATEF task list.

Carpentry 1A (609108ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Suggested grade level 10-12
Prerequisite: Interview with student and parent

Carpentry 1B (609120ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Carpentry 1A

Carpentry 2A (609232ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Carpentry 1B

Carpentry 2B (609244ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Carpentry 2A

The Carpentry program is designed to prepare students to perform entry-level carpentry tasks under the supervision of an experienced carpenter. Carpentry students receive instruction in framing, construction material, blueprint reading, and safety. Also included is instruction in site preparation, using power and hand tools, and applied mathematics.

Cosmetology 1A(615006CD) Credits: 2 Required grade level 11
Prerequisite: Interview

Cosmetology 1B(615018CD)Credits:2 Prerequisite:
Cosmetology 1A

Cosmetology 2A(615198HD)Credits:2 Prerequisite:
Cosmetology 1B (Honors Credit)

Cosmetology 2B(615199HD) Credits: Prerequisite: Cosmetology 2A (Honors Credit)

The Cosmetology program is designed to prepare students to qualify for licensing examinations. Cosmetology students receive training in the art and science of the care and beautification of hair, skin, and nails. The course includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is 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. The approximate cost of this course for year 1 is \$450.00.

Culinary Arts 1A(572006CD) Unit credit: 2 Suggested grade level 10-12 Prerequisite: Interview

Culinary Arts 1B (572018CD) Unit credit: 2 Prerequisite: Culinary Arts 1A

Culinary Arts 2A(572198HD) Unit credit: 2 Prerequisite: Culinary Arts 1 (Honors Credit)

Culinary Arts 2B(572199HD) Unit credit: 2 (Honors Credit)

Hospitality Work-based 2 (Culinary Arts – Year 3) (519006CD)
Unit Credit: 2 Prerequisites: Culinary Arts 1/2 & Instructor Approval

Hospitality Work-based 2A (Culinary Arts – Year 3) (519018CD) Unit Credit: 2 Prerequisites: Culinary Arts 1/2 & Instructor Approval

Culinary Arts is an introduction to the food service industry. All aspects of the industry and potential careers, equipment use and upkeep, food preparation, service, storage, ordering, and work simplification are covered in this program. Students receive practical and theoretical experiences. The Culinary Program provides National Restaurant Association certifications and scholarship opportunities for successful candidates. The approximate cost of this course is \$80.00.

Mechanical Design 1A (Drafting) (617208ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Suggested grade level 10-12 Prerequisite: Geometry concurrently

Architectural Design 1A (Drafting) (617008ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Mech. Des. 1A

Architectural Construction Work-based 2(Drafting – Year 2) (669006CD) Unit Credit: 2 Prerequisites: Mech/Arch Design I & Instructor Approval

Architectural Construction Work-based 2A (Drafting – Year 2) (669018CD) Unit Credit: 2 Prerequisites: Mech/Arch Design I & Instructor Approval

The Computer Aided Drafting unit is an integral part of all design related careers. Emphasis is placed on mechanical and architectural designs. Instruction takes students from using drafting tools and techniques to the computer software AutoCAD. Students will be prepared for college or entry-level jobs in a related industry. May be taken before or after Project Lead the Way classes.

Early Childhood/Child Care Services 1A(570006CD) Unit credit: 2
Suggested grade level 10-12 Prerequisite: Interview

Early Childhood/Child Care Services 1B(570018CD) Unit credit: 2
Prerequisite: Early Childhood 1A

Early Childhood/Child Care Services 2A(570198HD) Unit credit: 2
Prerequisite: Early Childhood 1A & 1B (Honors Credit)

Early Childhood/Child Care Services 2B(570199HD) Unit credit: 2
Prerequisite: Early Childhood 2A (Honors Credit)

Students explore careers with young children and learn how to plan and guide a variety of children's activities, such as reading, language, music, art, science, math, and games. Characteristics of quality early childhood programs and professional teachers are studied. Family issues that influence children's growth and development are explored. Students develop important work skills for problem solving, goal setting, teamwork, organizing, and creative thinking. Reading, writing and computer skills are components of class work. Community CPR, First Aid, and Bloodborne Pathogens classes and certification are included.

English 3&4 (301333CW/301433CW) - STUDENTS MUST SIGN UP FOR THIS COURSE THROUGH THEIR HIGH SCHOOL GUIDANCE COUNSELOR

The English classes at Golden Strip Career Technology Center offer a unique situation for the high school student who is behind his age peers in school. To help the student be on grade level with his age peers, the student can take two English classes and also get two other credits in the same year. The student takes English 3 and Law Education 1st semester and English 4 and Local Career Awareness 2nd semester.

Fashion Merchandising 1A (541006CD) Unit credit: 2 Suggested grade level 10-12

Fashion Merchandising 1B (541018CD) Unit credit: 2
Prerequisite: Fashion Merchandising 1A

This course is designed to explore the concepts and practices of the fashion business to include an overview of the fashion industry, the nature of fashion, and career development. Functions of product technology, selling, advertising, fashion buying, merchandising, and management will be analyzed. Fashion Merchandising 1B is a continuation of Fashion Merchandising 1A.

Health Science Technology 1A (555006CD) Unit credit: 2 Grade Level: 11, Prerequisite: Biology I

Health Science Technology 1B (555018CD) Unit credit: 2
Prerequisite: Health Science Technology 1A

Health Science Technology 2A (555198HD) Unit credit: 2 Grade Level: 12 Prerequisite: Health Science IB (Honors Credit)

Health Science Technology 2B (555199HD) Unit credit: 2
Prerequisite: Health Science Technology 2A (Honors Credit)

Health Science Technology courses introduce the student to themes and components common to a wide variety of health careers and provide a foundation for further study in the health professions. The course content emphasizes lifelong learning and the interdisciplinary team approach with special emphasis given to ethical practice, communication skills, infection control, computer literacy and work-based learning. The curriculum introduces the student to hygiene and grooming, medical terminology, first aid/CPR, body structure, nutrition and tasks unique to most health care careers and provides for review and mastery of these topics by graduation. The course also covers anatomy and physiology of all body systems and high level tasks unique to most health care careers and geriatric and terminally ill care.

Law Enforcement Services 1A (651006CD) Unit credit: 2 Grade level 11-12 Prerequisite: Interview

Law Enforcement Services 1B (651018CD) Unit credit: 2

Law Enforcement Services 2A (651198HD) Unit Credit 2
Prerequisite: Law Enforcement Services 1 & Instructor Approval (Honors Credit)

Law Enforcement Services 2B (659199HD) Unit Credit 2
Prerequisite: Law Enforcement Services 1 & Instructor Approval (Honors Credit)

This course studies Criminal Justice from the perspective of law enforcement officers. The curriculum is designed to expose students to a variety of subjects relevant to pursuing careers in law enforcement and criminal justice. This course also provides some basic skill level training similar to that found in police academies.

Pharmacology Tech 1A (557006CD) Unit credit: 2 Grade level 12
Prerequisite: Chemistry, Algebra II **Offered Spring Semester Only**

Pharmacology Technology is designed to train students to pass the Pharmacy Technician Certifying Board Examination. A practicing pharmacist has developed the curriculum. The program includes 90 classroom hours plus 60 homework hours for a total of 150 hours. The course is a self-paced computer based program in which students prepare for national certification as a Pharmacy Technician. After passing the exam students are qualified to work at a local pharmacy. Students must purchase the CD-Rom at a cost of \$255.00. The cost of the national exam is \$130.00.

Civil Engineering and Architecture(PLTW) (605898HD)

Unit Credit: 2 Prerequisite: Intro. To Engineering Design and Prin. of Engineering (PLTW) (Honors Credit)

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects.

Digital Electronics(PLTW) (605298HD) Unit Credit: 2

Prerequisite: Intro. To Engineering Design and Prin. of Engineering (PLTW) (Honors Credit)

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation.

Principals of Biomedical Science (PLTW) (558003CD)

Unit Credit: 2 Prerequisites: Geometry and Biology

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

Human Body Systems (PLTW) (558198HD) Unit Credit: 2

Prerequisite: Principals of Biomedical Science

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work

through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

Sports Medicine1 (555506CD) Unit credit: 2 Suggested grade level 11-12 Prerequisites: Algebra 1 and Biology

Sports Medicine2 (555606CD) Unit credit: 2 Suggested grade level 11-12 Prerequisite: Sports Medicine 1

Sports Medicine emphasizes the prevention of athletic injuries, including the components of exercise science, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter will also include discussion of legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course. The approximate cost of this course is \$15.00.

Web Design 1A(503106CD) (May offer dual credit through Greenville Tech.) Unit credit: 2 Suggested grade level 10-12

Prerequisite: Declared keyboarding proficient

Web Design 1B(503118CD) Unit credit: 2 Prerequisite: Web Design A

The purpose of Level 1A is to provide knowledge of microcomputer hardware and its uses and to gain and expand knowledge of word processing, spreadsheet, database, and business presentation software using MS Office 2007. Students will also gain proficiency in HTML.

Level 1B introduces the history of the internet, the concepts of the internet and electronic mailing, graphics design using desktop publishing software, and web page construction. Students will also gain skills in designing, implementing, and maintaining an internet site using a mid-level authoring tool. End of the year project is designing, formatting, and publishing on the internet an electronic portfolio to include samples of all work completed in Levels 1A and 1B.

Completion of Web Design 1A & 1B will satisfy the SC state computer science requirement. The approximate cost of this course is \$20.00.

Multimedia A(503006CD-Year 2 of Web Design) Unit credit: 2

Suggested grade level 10-12 Prerequisite: Declared keyboarding proficient and successful completion of Web Design 1A & 1B

Multimedia B(503018CD-Year 2 of Web Design) Unit credit: 2

Prerequisite: Multimedia 1A

This course is designed to provide the student with the knowledge and skills needed for entry-level positions in multimedia and web publishing. Multimedia combines computer-based text, graphics, video, and video within an interactive environment. Students gain proficiency in using Flash, Fireworks, Freehand, Dreamweaver, Photoshop, Illustrator, Move-It, and Alice 3-D animation software. Projects consist of building an electronic portfolio, creating a web photo album, creating a mini-less movie, introduction to dynamic animated designs, and building a digital autobiography. The approximate cost is \$20.00.

Welding Technology 1A (634008ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Suggested grade level 10-12 Prerequisite: Math Tech 1

Welding Technology 1B (634020ED) (May offer dual credit through Greenville Tech.) Unit credit: 2

Welding Technology 2A (634132ED) (May offer dual credit through Greenville Tech.) Unit credit: 2 Prerequisite: Welding 1

Welding Technology 2B (634144ED) (May offer dual credit through Greenville Tech.) Unit credit: 2

The Welding Technology program is designed to prepare students to perform entry-level welding tasks under the supervision of an experienced certified welder. Welding students receive training in gas and electric welding. Included in the course of study is instruction related to blue print reading, properties of metal, and safety. The approximate cost of year 1 is \$100.00.