



# Donaldson Career Center

100 Vocational Drive ■ Greenville, SC 29605

[www.greenville.k12.sc.us/donaldsn](http://www.greenville.k12.sc.us/donaldsn)

864.355.4650

Serving Carolina, Greenville, Southside and Woodmont High Schools

## 2016-2017 Program Offerings

The following programs are offered at the Career Center. Students must complete the application form in addition to high school registration. According to Board Policy, courses with low enrollment may be canceled. If a program is canceled or too many students enroll in a class, students may be placed in one of their other choices. Bus transportation is provided for all students.

### Career Programs

Aircraft Maintenance Technology  
Automotive Technology  
Barbering/Master Hair Care  
Building Construction Technology  
Cosmetology  
Culinary Arts  
Digital Art and Design  
Fashion Design/Apparel Construction  
Firefighting  
Mechatronics  
Nail Technology  
Welding Technology

### Cluster

Transportation, Distribution & Logistics  
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Human Services  
Architecture and Construction  
Human Services  
Hospitality and Tourism  
Arts, Audio Visual Technology  
Arts, Audio Visual Technology  
Law, Public Safety and Security  
Manufacturing  
Human Services  
Manufacturing

### Course

9th Grade Exploratory

Students rotate through 8 career clusters of their choice

### Programs Listed Alphabetically:

#### **AIRCRAFT MAINTENANCE TECHNOLOGY**

The growing local and national aircraft industry requires aircraft maintenance personnel who are professionally trained. The Aircraft Maintenance training program offered by **Greenville Technical College** at Donaldson is approved by the Federal Aviation Administration (FAA) and the Veterans Administration and provides students with the technical, mechanical and academic skills required to become aircraft maintenance technicians. A comprehensive inventory of well-maintained jet and reciprocating engine aircraft and related equipment enables our students to master skills required to succeed in a very competitive industry.

#### **AUTOMOTIVE TECHNOLOGY**

Automotive Technology trains students in theory and practice using lecture and training labs to learn balancing/vibration techniques, computerized diagnostics, wheel alignment, brakes, and engine performance diagnostics. Students are taught valuable technical skills needed to make, manage and profit from professional career earnings.

## **BARBERING/MASTER HAIR CARE**

The Barbering/Master Hair Care Specialist Program is designed to prepare students to become a Registered Barber or a Master Hair Care Specialist. Students will perform techniques and arts such as hair cutting and styling, facial treatments, trimming and shaving of facial hair, chemical hair relaxing, tinting, coloring, shampooing and rinsing. On completion of the 1500 course hours, the students will be eligible to take the Barber State Board Exam to receive a license.

## **BUILDING CONSTRUCTION TECHNOLOGY**

The Building Construction Technology program is designed to provide students entry level knowledge and skills in several different construction craft areas. These include job site safety, tools of the trades, employability skills, and basic blueprint reading skills. Upper level students gain knowledge and skills in the areas of site layout, form building, and residential framing skills. In addition, students are introduced to basic residential wiring and plumbing skills used in plumbing both residential and commercial applications. Emphasis is placed on application of classroom knowledge through a variety of "hands on" projects.

## **COSMETOLOGY**

Cosmetology is designed to prepare students to qualify for the state board licensing examination upon completion of the program. Students receive training in the care of hair, skin, and nails. The course study includes scalp treatment, hair shaping, hair styling, setting, permanent waving, tinting, coloring, and chemical relaxers. Care of skin and nails includes manicures and pedicure, massages, facials, applying makeup and hair removal. Also included in the course of study is salon planning and management. Upon successful completion of the second year and passing the state board examination, Seniors earn their cosmetology license.

## **CULINARY ARTS**

Culinary Arts is a challenging course offering training in all aspects of food preparation and service. The program includes the principles of food preparation, recipe adjustment, purchasing, food costing, menu planning, banquet set-up, preparation and service, basic nutrition, and garnishing techniques.

## **DIGITAL ART AND DESIGN**

Introduces students to the field of communication and digital design including terminology, creative visual thinking/problem solving, layout design, programs, tools, materials, graphic design history and industry standards. This course examines the essential techniques and ideas of modern graphic communication. Students will gain an understanding of influential art movements and art figures that play a significant role in the development of digital graphic arts. Students will also acquire the critical and technical vocabulary and techniques needed to describe, analyze, and formulate fully functional digital art compositions successfully.

## **FASHION DESIGN AND APPAREL CONSTRUCTION**

Ready to create your own look? Tired of having clothes that don't fit? Make a skirt or vest out of your dad's old neckties. Open the world of fashion from your own closet. Fashion Design and Apparel Construction 1 focuses on the study of the fashion and garment industry with emphasis on the basics of design and construction. Students will develop a global view and weigh design decisions within the parameters of ecological, socio-economic, and cultural contents. Concepts are applied with hands-on learning experiences as students study career pathways, textiles, fashion design, apparel construction, consumer behavior, products, and materials of the fashion industry.

## **FIREFIGHTING**

The Donaldson Firefighting program is a cooperative program through the South Carolina Fire Academy and the SC Department of Education. Students that complete the two year program will have the National Fire Protection Association Firefighter 1 and 2 nationally recognized certifications.

## **MECHATRONICS**

Mechatronics is defined as the combining of several disciplines, Electrical Engineering, Mechanical Engineering, Computer Engineering and Robotics. The combination of engineering disciplines (create, design, develop and control) are used in a range of industries including manufacturing, medicine, and all service industries. The vast array of mechatronic systems include: aircraft construction and design, automobile design and production, medical and surgical devices, robotics, toys and numerous other industries. This program prepares students who like to work with their hands as well as with their minds. Mechatronics is a field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated industrial processes and students are trained to meet these necessary entry-level skills as well as entry into a postsecondary school.

## **NAIL TECHNOLOGY**

The Nail Technology program is designed to prepare students to take the national certification exam. Nail Technology students receive training in the art and science of the care and beautification of nails. 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, 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. Forty hours of classroom instruction are required before students receive practical, hands-on opportunities to apply skills.

## **WELDING TECHNOLOGY**

Welding/Metal Working Technology involves the study of the weld-ability of metals, the physical properties of the metals, and the testing of welded joints. Laboratory experiences are provided which bring the student in contact with welding techniques. The student will develop skills in shielded metal arc welding, also gas shielded arc processes T-I-G and M-I-G, oxyacetylene welding, heating, cutting, and brazing ferrous and non-ferrous metals.

## **NINTH GRADE EXPLORATORY**

Career Exploration is a course that will introduce students to a variety of career fields. Students will rotate through 8 career center programs allowing them the opportunity to explore their interests, aptitudes, skills and individual learning styles in order to find possible career matches. Upon completion of this program, students may enroll the following school year into the program they feel is the best fit. This course is designed to help students make decisions about their career goals. The objectives of this course are for students to be able to: 1) Identify the different career choices within a variety of fields, 2) Determine the skills needed to work in a variety of fields, 3) Learn the necessary steps that are required to prepare for a career in a variety of fields.

### ***STATEMENT OF NONDISCRIMINATION:***

*In accordance with federal law this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age or disability.*