

## HEALTH SCIENCE ACADEMY

The Health Science Academy allows students to concentrate their high school coursework in the direction of a potential career in health science. Students must meet key requirements in order to be accepted in the program. Once accepted, students have the opportunity to participate in job shadowing, mentoring, internships, medical research opportunities, career exploration, and volunteering. During their time in the Health Science Academy, students receive AHA (American Heart Association) Heart Saver Certification, AHA BLS (Basic Life Support) Certification and have the opportunity to become an AHA Instructor.

For students interested in any type of medical-related career, the GCHS Health Science Academy gives them an unparalleled, in-depth introduction to the field of medicine. Students also have a wealth of real-world experience they can refer to as they apply for jobs in the workforce or for additional training or college programs. Graduates often go on to pursue careers as physicians, dentists, nurses, lab techs, x-ray techs, pharmacists, and more.

## EDUCATION AND TRAINING ACADEMY

The Education and Training Academy serves as a resource for students who have an expressed interest in pursuing a career in education. Students are placed in classrooms within the Gadsden City Schools System to accumulate their observation hours and to gain real, hands-on experience. Students are prepared to continue their studies toward a career as a preschool, elementary, or secondary teacher or aide; a special education teacher or aide; a child care director; or a curriculum development specialist.

### COURSEWORK INCLUDES:

1. Education and Training
2. Teaching I
3. Teaching II
4. Education and Training Internship

## MIDDLE SCHOOL PROGRAMS

### FAMILY AND CONSUMER SCIENCES (BIC Certified)

Family and Consumer Science is available at all three middle schools in the Gadsden City Schools system. Teen Challenges, Teen Living, and Teen Dynamics courses give these students the opportunity to study such content as wellness, healthy appearance, teen buying, home safety, peer pressure, and career awareness.

### BUSINESS EDUCATION (BIC Certified)

All three middle schools in the Gadsden City Schools System have a Business-Marketing Department. This department allows students to take the Business Technology Essentials course at the middle school level so they can move on to an advanced computer class in high school.

## PROGRAM CERTIFICATIONS

### BIC CERTIFICATION

All Career Technical programs in the Gadsden City Schools are regularly reviewed through Business/Industry Certification (BIC), an evaluation tool used by the Alabama State Department of Education (ALSDE). Some programs are certified by outside agencies such as the National Automotive Technicians Education Foundation (NATEF) or the National Center for Construction Education and Research (NCCER).

### WORK-BASED LEARNING

Through the Business-Marketing Departments, students may learn as they work with many employers in our community. Articulation agreements with GSCC provide students with FREE college credit for many Career-Technical courses. Contact a Marketing Education Instructor at Gadsden City High School for more information.

# CAREER TECHNICAL EDUCATION AT GADSDEN CITY SCHOOLS

*Preparing students for their future  
education and career*

## DESCRIPTION

With a \$2.4 million career tech center on the main campus of Gadsden City High School, students can get a jump-start on a well-paying career before ever graduating high school. Gadsden City's career training program boasts an estimated 90 percent positive placement for students who complete the program.

## REQUIREMENTS

Career training program classes are considered elective courses. The required number of course hours required to become certified varies by program. All of the programs are designed to be completed while in high school.

## BENEFITS

Not only do students enjoy learning in the modern, on-campus facility, they know that after high school graduation, they will have highly sought-after skills which will allow them to enter the job market at a competitive wage. Many students choose to continue their skills training at Gadsden State Community College, where they can qualify for additional certification and increased salary possibilities.

## MAIN TAKEAWAY

While a great deal of attention is placed on preparing for a college education, more and more students are discovering that receiving training in a specialized skill opens a wealth of job opportunities in Etowah County and beyond.



For more information,  
Contact the Office of  
Career-Technical Education

**Dr. David Asbury, Director**  
256-549-2920 • [dasbury@gcs.k12.al.us](mailto:dasbury@gcs.k12.al.us)

or visit us on the web at:  
[www.gadsdentitans.com](http://www.gadsdentitans.com)

It is the policy of the Gadsden City Schools that no person shall be denied the benefits of any education program or activity on the basis of race, color, handicap, creed, national origin, age or sex: Dr. Donna Smoots (504 Compliance) Mrs. Rhonda Perry (Title VI and IX), P.O. Box 184, Gadsden, AL, 35902 or call 256-543-3512.

## HIGH SCHOOL PROGRAMS

### **ELECTRICAL TECHNOLOGY (NCCER and BIC Certified)**

The Electrical Technology curriculum covers Basic, Residential, Commercial and Industrial Wiring. Students often build their own mock-up house in the shop area complete with lighting and switches that they install.

Electrical technicians help create, maintain, and repair the electronic components used in any equipment or device that involves electricity. They can sometimes work with electricians or electrical engineers, or work on-site to keep machinery and specialty equipment running properly.

#### **COURSEWORK INCLUDES:**

- 1. Basic Wiring**
- 2. Residential Wiring**
- 3. Commercial Wiring**
- 4. Industrial Wiring**

### **HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION (NCCER and BIC Certified)**

Residential and commercial jobs are plentiful in this area and students from this program will be well prepared to fill those positions.

Heating, air conditioning, and refrigeration mechanics and installers, often referred to as HVAC technicians, work on heating, ventilation, cooling, and refrigeration systems that control the air quality in many types of buildings. Residential and commercial jobs are plentiful in this area, and students from this program will be well-prepared to fill those positions.

#### **COURSEWORK INCLUDES:**

- 1. Introduction to HVAC**
- 2. Compression Refrigeration**
- 3. Introduction to Electricity**
- 4. Electrical Components and Control**
- 5. Heating**

### **ELECTRONICS / ROBOTICS (BIC Certified)**

The Electronics program was initiated in 2010 at the request of local business and community leaders. The program is directly related to manufacturing, with an emphasis on Industrial Robotics.

Two different degrees or pathways are offered in the Electronics/Robotics field. The first is an Operator/Techni-

cian, which is a two-year Associate's Degree. The second is an Engineer, which is a four-year Bachelor's Degree. The goal of the Gadsden City Electronics/Robotics program is to introduce and prepare the students for each career path.

#### **COURSEWORK INCLUDES**

- 1. Digital Electronics:**
- 2. Introduction to Robotics**
- 3. Robotics Applications**
- 4. Introduction to Manufacturing**

### **INFORMATION TECHNOLOGY / NETWORKING (BIC Certified)**

The Network Systems and Computer Services program is for learners who are interested in careers that involve information technology security, network analysis, planning, and implementation, including design, installation, repair, maintenance, and management of network systems. The emphasis of the program is on teaching learners a broad base of knowledge and skills in network and systems administration. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations like Future Business Leaders of America (FBLA) and SkillsUSA.

#### **COURSEWORK INCLUDES:**

- 1. Information Technology Fundamentals**
- 2. Computer Management and Support**
- 3. Networking 1**

### **COSMETOLOGY (BIC Certified)**

Cosmetology students study all aspects of this career field to prepare to meet cosmetology board requirements and take their examinations to become a state certified cosmetologist. Cosmetologists cut and style hair, perform manicures and pedicures, and provide skin care treatments.

#### **COURSEWORK INCLUDES:**

- 1. Introduction to Cosmetology**
- 2. Chemical Methodology**
- 3. Colorimetry (Hair Coloring)**
- 4. Salon Practices and Management**
- 5. Nail Care and Applications**
- 6. Cosmetology Board Requirements**

### **AUTOMOTIVE TECHNOLOGY (NATEF and BIC Certified)**

This NATEF certified program gives students hands-on training and experience in automotive systems including Electrical/Electronic, Brakes, Suspension and Steering, and Engine Performance. The new Automotive Youth Educational Systems (AYES) provides internship opportunities with local automobile dealerships.

Students learn about specific automotive systems and the different parts of a car. Students also learn auto body repair techniques and collision repair tasks like bodywork and repainting.

#### **COURSEWORK INCLUDES:**

- 1. Auto Electrical**
- 2. Introduction to Transportation and Logistics**
- 3. Auto Brakes II/Suspension and Steering**
- 4. Engine Performance I and II**

### **FAMILY AND CONSUMER SCIENCE (BIC Certified)**

Students learn about child development, family relations, consumer economics, personal finance, fashion design, housing, and nutrition.

#### **COURSEWORK INCLUDES**

- 1. Family Wellness/Housing**
- 2. Food and Nutrition**
- 3. Fashion Dynamics**

### **BUSINESS/MARKETING EDUCATION (BIC Certified)**

Business-Marketing programs provide students with skill training in the areas including Business Technology Essentials, Interactive Multimedia Design, Accounting, Marketing Essentials, Personal Finance, Entrepreneurship and Management. Up-to-date equipment and well-trained instructors prepare students for the world of work.

Students learn how to select and manage information, identify growth and market opportunities, allocate resources within organizations, motivate individuals and teams, align with set goals, and evaluate results.

#### **COURSEWORK INCLUDES:**

- 1. Entrepreneurship**
- 2. Multimedia Design**
- 3. Career Prep**
- 4. Accounting Principles**
- 5. Sales and Promotion**
- 6. Business Essentials**