



Are you interested in getting a jumpstart on your future? Houston College & Career Academy Survey 2026-27 School Year

****Please note: 2.0 + high school GPA is required for all CGTC Dual Enrollment programs.**

Are you interested in earning college credit while still in high school? **In the following **DUAL ENROLLMENT** programs, you can earn college credit at **Central Georgia Technical College or Middle Georgia State University** while still in high school. Most classes are taught at the Houston College & Career Academy & transportation is provided. Please select your program of interest from the choices below:

****AIRCRAFT STRUCTURAL TECHNOLOGY (11th and 12th only)**

- Provides technical training to students interested in obtaining aircraft structural assembly skills, including blueprint reading & structural fundamentals.
- Classes taught at **CGTC Aviation Training Center**. Parents must provide transportation.

****AUTOMATION TECHNOLOGY**

- Prepares students to become multi-skilled employees in manufacturing setting; Focusing on modern automation and control systems used in industry.
- Completers qualify for an interview with Frito Lay.

****AUTOMOTIVE**

- Students learn basic maintenance & repair operations in 8 ASE areas of vehicles & light trucks
- Career opportunities: Auto dealerships, Auto Care facilities, Lube shops, or Self-Employed

****BARBERING**

- Introduces students to barbering, styling implements, science, sanitation, haircutting & shampooing

****COMPUTER Software Engineering (11th and 12th only – Must meet MGA requirements)**

- The course is designed to strategize, design, and develop mobile and desktop applications that can be produced in the real world.
- Pathway completers have an opportunity to pursue RAFB software engineering internship.
- Classes taught at **R. Wayne Lowe Synergy Innovation Center**- Transportation provided.

****COSMETOLOGY**

- Skills training in cosmetology theory, safety, sanitation & decontamination, hair care & treatments, sales & management, haircutting, chemical texture services & styling, manicuring, and pedicuring
- Curriculum meets state licensing requirements for State Board of Cosmetology

****CRIMINAL JUSTICE**

- Students interested in public safety & criminal justice; Examine components of criminal justice system and roles & responsibilities of police, courts & corrections
- Introduces students to variety of agencies & professions in law enforcement, private security, corrections, emergency services

****CYBERSECURITY**

- Students interested in cybersecurity will learn to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures.

****EMERGENCY MEDICAL RESPONDER**

- Prepares students to initiate immediate lifesaving care to critical patients; courses include Anatomy & Physiology, Medical Terminology and Emergency response

****ENGINEERING (11th and 12th only)**

- Students learn about innovation in the engineering and technology field
- Provides training in core engineering techniques, including drafting and design, complex mathematical calculations, and force evaluation. Topics also include engineering project write-ups, presentation, evaluation, and safety.

****FIRE SCIENCE**

- Upon successful completion of this course, students will have received orientation and preparation for entry level positions in the fire service, including the opportunity to sit for the Firefighter 1 National Professional Qualifications certification test.

****HVAC**

- Students learn the basic concepts, theories, safety regulations and procedures of refrigeration. Topics include an introduction to OSHA, safety, first aid, laws of thermodynamics, pressure and temperature relationships, heat transfer, the refrigerant cycle, refrigerant identification, and types of AC system

****INFORMATION TECHNOLOGY (A+ Certification)**

- Students can earn Advanced Comp TIA A+ Certified Tech certificate (TCC) from CGTC
- Students learn the fundamentals of installing & maintaining microcomputers, function components, safety, printers, T-switches, troubleshooting, resolving minor system problems, preventative maintenance

****NURSE AIDE ESSENTIALS**

- Prepares students with classroom training & practice as well as the clinical experience necessary to care for patients in various settings including general medical & surgical hospitals, nursing care facilities, community care facilities for the elderly, & home health care services. Students who successfully complete this program may be eligible to sit for the state Certified Nurse Aide (CNA) exam. There are additional program requirements for this program required for clinical sites; some costs are not covered by dual enrollment funding.

****WELDING**

- Graduates prepared for qualification tests & advanced welding training
- Technical certificates (TCC's) available: Basic Shielded Metal Arc Welder, Gas MIG & TIG

****Please note- above classes are covered by DUAL ENROLLMENT & Admission to Central Georgia Technical College or Middle Georgia State University. Students are required to submit a completed dual enrollment application to enroll in CGTC/MGA Dual Enrollment programs. Students earn both college & high school credit. Students must complete a dual enrollment funding application on gafutures.org each academic year.**

CAREER TECHNICAL COURSES/CAREER PATHWAYS 2026-27

Please note- 2.0 + high school GPA preferred for all HCCA programs.

****The Culinary program can be dual credit with CGTC, but students can enroll even if they are not admitted to the college & receive high school credit only. All other programs listed below are not Dual Enrollment programs but high school credit only.**

ARTIFICIAL INTELLIGENCE

- Introduces students to foundational and advanced concepts in simulation of intelligent behavior, programming, data science, machine learning, and real-world applications of AI technology.

AUDIO VIDEO TECHNOLOGY & FILM

- Prepares students for employment or entry into a postsecondary education program in the audio and video technology career field.
- Topics covered may include basic equipment, script writing, production teams, production and programming, lighting, recording, and editing, studio production, and professional ethics.

CULINARY ARTS

- Students learn "art" of cooking, growing program across state of Georgia
- Opportunity to earn ServSafe Certification
- Gain knowledge in diet, nutrition, food preparation, cost & budgets, and the science of food
- Career opportunities: Souse chef, Pastry chef, Kitchen Manager, Garde Manager, Banquet chef or Restaurant entrepreneur
- Students can be dual enrolled at CGTC and earn Prep Cook Technical Certificate of Credit

EDUCATION AS A PROFESSION

- Students interested in pursuing a career in Education field
- Diverse opportunities in Education: school administrator, school counselor, elementary school teacher, special needs teacher, secondary teacher, post-secondary teacher, preschool teacher, and paraprofessional
- Education is major focus in Georgia
- Courses include Examining the teaching profession, Contemporary issues in education and Teaching internship
- Opportunity to earn college credit

FINE FURNITURE/CABINETMAKING

- Students will learn woodworking skills including safety, applied math, hand tools and machine operations. Advanced students will further their understanding of the design process by assembling and finishing wood projects.

HEALTHCARE SCIENCE TECHNOLOGY

- Students interested in pursuing a career in the Healthcare Industry
- The concepts of health, wellness, and preventative care are evaluated; ethical and legal responsibilities of today's healthcare provider are also examined
- Courses include Introduction to Healthcare Science, Essentials of Healthcare, Allied Health, and Medicine, & Sports Medicine

**If you are interested in any of these pathways,
contact your high school counselor!**