



Are you interested in getting a jumpstart on your future?

Houston College & Career Academy Survey 2024-25 School Year

Use the following QR code or link to submit your survey response:



<https://forms.office.com/r/VN4WAR4bEY>

****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 County Career Academy & transportation is provided. Please select your program of interest from the choices below:**

****AIRCRAFT STRUCTURAL TECHNOLOGY (11th and 12th only & 16 years of age – Transportation is not provided to CGTC Aviation Training Center in Macon)**

- 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.

****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 of 3.0 gpa)**

- 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, Anatomy & Physiology, Medical Terminology and Emergency response

****ENGINEERING**

- 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.

****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 systems.
- *Advanced students can be dually enrolled at CGTC and earn college credit in three HVAC classes.

****INDUSTRIAL SYSTEMS**

- Prepares students to become multi-skilled employee in manufacturing setting; Students learn mechanical maintenance, ability to operate hydraulic pneumatic pumps & piping systems & electrical systems motor controls
- Completers qualify for an interview with Frito Lay.

****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 (Must be 11th/12th grade at least 16 years old. Must be agreeable to have shots required for the course.)**

- Prepares students with classroom training & practice as well as the clinical experiences 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.

****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 and must have a 2.0+ high school GPA to enroll in CGTC 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 2024-25

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.**

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 Certificate of Completion

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.

TEACHING 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

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