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  - Film 2010 - Advanced Skills for Film and TV Production I
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## ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATION

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<td>Essentials of Healthcare</td>
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<td>Allied Health and Medicine</td>
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<tr>
<td>FCBOE Course (Center of Innovation)</td>
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<td><strong>THERAPEUTIC SERVICES - PATIENT CARE PATHWAY</strong></td>
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<td>Introduction to Healthcare Science</td>
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<td><strong>DIAGNOSTIC SERVICES - PHLEBOTOMY PATHWAY</strong></td>
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Preparing students for success after high school is an inherent component of the Fayette County Public Schools’ Vision. Whether students plan to enter the workforce immediately or attend college after high school graduation, careful consideration of high school course options can impact their futures.

To better prepare students for the demands of the 21st century economy and for post-secondary education, Fayette County Public Schools’s Career & Technical Education Department has provided this planning guide for use by students and their parents.
The Fayette County School system offers the following career and technical education programs for all students regardless of race, color, national origin, including those with limited English proficiency, sex or disability in grades 9-12. The following is a list of the career clusters being offered this year.

- Arts, A/V Technology, and Communications
- Business Management and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections and Security
- Marketing
- Science, Technology, Engineering and Mathematics
- Transportation Distribution and Logistics

Persons seeking further information concerning the career and technical education offerings and specific pre-requisite criteria should contact:

Lisa Collins
Director of Career and Technical Education
440 Hood Avenue, Fayetteville, GA 30214
770.716.1209 ext. 230
collins.lisa@mail.FCBOE.org

NOTICE OF NON-DISCRIMINATION

The Fayette County Public Schools Career and Technical Education department does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to other designated youth groups. The following person(s) has been designated to handle inquiries regarding the non-discrimination policies:

504 Coordinator Audrey Toney
Director of Student Services
Fayette County Public Schools
205 LaFayette Avenue
Fayetteville, GA 30214
770.460.3990

Title IX Coordinator Mike Sanders
Assistant Superintendent of Operations
Fayette County Public Schools
205 LaFayette Avenue
Fayetteville, GA 30214
770.460.3990

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Designed to meet the needs of young adolescents (ages 10-15), middle schools bridge the gap between elementary and high school by providing students with an opportunity to learn in a safe, nurturing, and positive environment. According to the National Middle School Association (NMSA) characteristics of effective middle schools include courageous, collaborative leadership, a shared vision that guides decisions, high expectations for every member of the learning community, students and teachers engaged in active learning, and school community partnerships.

These characteristics are also found within the Career, Technical and Agricultural Education programs in Georgia. CTAE is making giant strides to bring middle school programs to new career readiness goals. The new curriculum includes national standards, CTAE standards and Georgia Performance Standards, in addition to career development activities allowing students to make the connection between class work and workforce.

Each Middle School CTAE Program area course includes essential and relevant performance standards for math, science, language arts, and social studies. Middle school CTAE courses also reinforce Reading Across the Content, Technical Writing standards, Entrepreneurship standards, and CTAE Foundation Skills. CTAE middle school courses feature rigorous performance standards that students master to help further explore and develop future career pathways.

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<tr>
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<th>Flat Rock</th>
<th>JC Booth</th>
<th>Rising Starr</th>
<th>Whitewater</th>
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<td>X</td>
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<tr>
<td>Career Development</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Communications</td>
<td>X</td>
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<td>Technology Student Association</td>
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</table>
# Georgia’s HOT Careers to 2028

The careers in this chart have it all!

## Skills and Abilities
- Advanced skills required
- Moderate skills required
- Occasional skills required

## Work Activities
- Frequently found
- Occasionally found

Jobs are faster than the state average job growth, above the state average wage, and have at least 400 annual openings.

### Bachelor’s degree
- Accounting & Auditors
- Administrative Services Managers
- Architectural & Engineering Managers
- Business Operations Specialists, All Other
- Civil Engineers
- Clinical Laboratory Technologists & Technicians
- Computer & Information Systems Managers
- Computer Occupations, All Other
- Elementary School Teachers, Except Special Education
- Engineers, All Other
- Financial Analysts
- Financial Managers
- Financial Specialists, All Other
- General & Operations Managers
- Human Resources Managers
- Human Resources Specialists
- Industrial Engineers
- Industrial Production Managers
- Kindergarten Teachers, Except Special Education
- Loan Officers
- Logistics
- Management Analysts
- Market Research Analysts & Marketing Specialists

### Master’s degree
- Education Administrators, Elementary & Secondary School
- Educational Guidance Counselors
- Healthcare Social Workers
- Instructional Coordinators
- Nurse Practitioners
- Physician Assistants

### Professional Access
- Health Specialties Teachers, Postsecondary
- Pharmacists
- Physical Therapists
- Physicians & Surgeons, All Other

### Occupational Characteristics
- Fast job growth
- Above average wages
- At least 400 expected annual job openings

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Georgia Department of Labor, Workforce Statistics & Economic Research
Equal Opportunity Employer/Program • Auxiliary Aids and Services Available upon Request to Individuals with Disabilities

Georgia’s Careers to 2028

The careers in this chart have it all!

Skills and Abilities
- advanced skills required
- moderate skills required

Work Activities
- frequently found
- occasionally found

Fast job growth / Above average wages / At least 400 expected annual job openings

Skills and Abilities

<table>
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<th>Advanced</th>
<th>Moderate</th>
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Work Activities

<table>
<thead>
<tr>
<th>Frequently</th>
<th>Occasionally</th>
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</thead>
</table>

Occupational Characteristics

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<tr>
<th>Fast job growth</th>
<th>Above average wages</th>
<th>At least 400 expected annual job openings</th>
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For more information, please contact Workforce Statistics & Economic Research at (404) 232-3875 • Fax (404) 232-3888

Email: Workforce_Info@gdol.ga.gov
## GEORGIA'S STEM Careers to 2028

### Science | Technology | Engineering | Mathematics

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<tr>
<td>Understanding of principles and facts of subject matter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>full knowledge required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>some knowledge required</td>
<td></td>
<td></td>
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</tbody>
</table>

**Education**

Typical education needed to enter an occupation.

- Most jobs have faster than average growth, about the same average wage, and have at least 200 annual openings.

### Life and Physical Science, Engineering, Mathematics, and Information Technology Occupations

<table>
<thead>
<tr>
<th>Category</th>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
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</thead>
<tbody>
<tr>
<td>Aerospace Engineers</td>
<td></td>
<td></td>
<td>$108,900</td>
</tr>
<tr>
<td>Biological Science Teachers, Postsec</td>
<td></td>
<td></td>
<td>$62,400</td>
</tr>
<tr>
<td>Civil Engineers</td>
<td></td>
<td></td>
<td>$77,400</td>
</tr>
<tr>
<td>Computer &amp; Information Systems Managers</td>
<td></td>
<td></td>
<td>$126,300</td>
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<tr>
<td>Computer Network Architects</td>
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<td></td>
<td>$109,000</td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
<td></td>
<td>$67,600</td>
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<tr>
<td>Computer Occupations, All Other</td>
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<td>$86,000</td>
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<tr>
<td>Computer Systems Analysts</td>
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<tr>
<td>Computer User Support Specialists</td>
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<tr>
<td>Database Administrators</td>
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<td>Electrical &amp; Electronics Engineering Technicians</td>
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<td>Electrical Engineers</td>
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<td>Mechanical Engineers</td>
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</tr>
<tr>
<td>Medical Scientists, Ex Epidemiologists</td>
<td></td>
<td></td>
<td>$72,300</td>
</tr>
<tr>
<td>Network &amp; Computer Systems Administrators</td>
<td></td>
<td></td>
<td>$82,900</td>
</tr>
<tr>
<td>Operations Research Analysts</td>
<td></td>
<td></td>
<td>$66,700</td>
</tr>
<tr>
<td>Sales Engineers</td>
<td></td>
<td></td>
<td>$94,400</td>
</tr>
<tr>
<td>Sales Reps, Wholesale &amp; Mfg, Tech &amp; Scientific Products</td>
<td></td>
<td></td>
<td>$72,600</td>
</tr>
<tr>
<td>Software Developers, Applications</td>
<td></td>
<td></td>
<td>$100,400</td>
</tr>
<tr>
<td>Software Developers, Systems Software</td>
<td></td>
<td></td>
<td>$100,200</td>
</tr>
<tr>
<td>Statisticians</td>
<td></td>
<td></td>
<td>$88,500</td>
</tr>
<tr>
<td>Web Developers</td>
<td></td>
<td></td>
<td>$76,400</td>
</tr>
</tbody>
</table>

### Health Occupations

<table>
<thead>
<tr>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Hygienists</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diagnostic Medical Sonographers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dietitians &amp; Nutritionists</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Techs &amp; Paramedics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Specialties Teachers, Postsec</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Technologists &amp; Technicians, All Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Georgia Department of Labor, Workforce Statistics & Economic Research

Equal Opportunity Employer/Program • Auxiliary Aids and Services Available upon Request to Individuals with Disabilities.
### GEORGIA’S STEM Careers to 2028

**Science | Technology | Engineering | Mathematics**

<table>
<thead>
<tr>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adminstration of principles and facts of subject matter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>!</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full knowledge required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Some knowledge required</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Education**
Typical education needed to enter an occupation

- Jot have faster than state annual average job growth above the state annual average wage and have at least 400 annual openings.

#### Health Occupations Continued

<table>
<thead>
<tr>
<th>Occupation Category</th>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internists, General</td>
<td>!</td>
<td>!</td>
<td>$160,000 130</td>
</tr>
<tr>
<td>Licensed Practical &amp; Licensed Vocational Nurses</td>
<td>!</td>
<td>!</td>
<td>$50,300 2,256</td>
</tr>
<tr>
<td>Medical &amp; Health Services Managers</td>
<td>!</td>
<td>!</td>
<td>$105,000 1,084</td>
</tr>
<tr>
<td>Medical Records &amp; Health Information Technicians</td>
<td>!</td>
<td>!</td>
<td>$57,300 332</td>
</tr>
<tr>
<td>Nurse Practitioners</td>
<td>!</td>
<td>!</td>
<td>$100,300 569</td>
</tr>
<tr>
<td>Nursing Instructors &amp; Teachers, Postsec.</td>
<td>!</td>
<td>!</td>
<td>$68,200 150</td>
</tr>
<tr>
<td>Occupational Therapists</td>
<td>!</td>
<td>!</td>
<td>$76,300 296</td>
</tr>
<tr>
<td>Ophthalmic Medical Technicians</td>
<td>!</td>
<td>!</td>
<td>$33,500 224</td>
</tr>
<tr>
<td>Opticians, Dispensing</td>
<td>!</td>
<td>!</td>
<td>$34,700 201</td>
</tr>
<tr>
<td>Pharmacists</td>
<td>!</td>
<td>!</td>
<td>$113,200 639</td>
</tr>
<tr>
<td>Pharmacy Technicians</td>
<td>!</td>
<td>!</td>
<td>$26,900 1,968</td>
</tr>
<tr>
<td>Physical Therapists</td>
<td>!</td>
<td>!</td>
<td>$82,200 440</td>
</tr>
<tr>
<td>Physician Assistants</td>
<td>!</td>
<td>!</td>
<td>$89,400 410</td>
</tr>
<tr>
<td>Physicians &amp; Surgeons, All Other</td>
<td>!</td>
<td>!</td>
<td>$24,400 576</td>
</tr>
<tr>
<td>Radiologic Technologists</td>
<td>!</td>
<td>!</td>
<td>$54,100 488</td>
</tr>
<tr>
<td>Registered Nurses</td>
<td>!</td>
<td>!</td>
<td>$65,000 6,348</td>
</tr>
<tr>
<td>Respiratory Therapists</td>
<td>!</td>
<td>!</td>
<td>$54,000 486</td>
</tr>
<tr>
<td>Speech-Language Pathologists</td>
<td>!</td>
<td>!</td>
<td>$74,200 568</td>
</tr>
<tr>
<td>Surgical Technologists</td>
<td>!</td>
<td>!</td>
<td>$42,700 486</td>
</tr>
<tr>
<td>Veterinarians</td>
<td>!</td>
<td>!</td>
<td>$87,000 196</td>
</tr>
<tr>
<td>Veterinary Technologists &amp; Technicians</td>
<td>!</td>
<td>!</td>
<td>$60,200 436</td>
</tr>
</tbody>
</table>

#### Architecture Occupations

<table>
<thead>
<tr>
<th>Occupation Category</th>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architects, Exc Landscape &amp; Naval</td>
<td>!</td>
<td>!</td>
<td>$98,400 300</td>
</tr>
<tr>
<td>Architectural &amp; Civil Drafters</td>
<td>!</td>
<td>!</td>
<td>$56,600 410</td>
</tr>
<tr>
<td>Architectural &amp; Engineering Managers</td>
<td>!</td>
<td>!</td>
<td>$124,200 410</td>
</tr>
<tr>
<td>Landscape Architects</td>
<td>!</td>
<td>!</td>
<td>$65,100 76</td>
</tr>
</tbody>
</table>

#### Social Science Occupations

<table>
<thead>
<tr>
<th>Occupation Category</th>
<th>Knowledge</th>
<th>Education</th>
<th>Occupational Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical, Counseling, &amp; School Psychologists</td>
<td>!</td>
<td>!</td>
<td>$85,100 93</td>
</tr>
<tr>
<td>Economics Teachers, Postsec</td>
<td>!</td>
<td>!</td>
<td>$56,000 30</td>
</tr>
<tr>
<td>Political Science Teachers, Postsec</td>
<td>!</td>
<td>!</td>
<td>$57,100 36</td>
</tr>
<tr>
<td>Psychology Teachers, Postsec</td>
<td>!</td>
<td>!</td>
<td>$72,300 58</td>
</tr>
<tr>
<td>Social Science Research Assistants</td>
<td>!</td>
<td>!</td>
<td>$50,400 354</td>
</tr>
<tr>
<td>Social Scientists &amp; Related Workers, All Other</td>
<td>!</td>
<td>!</td>
<td>$82,800 300</td>
</tr>
<tr>
<td>Urban &amp; Regional Planners</td>
<td>!</td>
<td>!</td>
<td>$57,600 88</td>
</tr>
</tbody>
</table>

---

Note: This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the Georgia Department of Labor and does not necessarily reflect the official position of the U.S. Department of Labor. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.

For more information, contact Workforce Statistics & Economic Research (WISER) at (404) 232-3875 or at workforce_info@gdol.gov.
CTE INDUSTRY CERTIFICATION

When a program becomes industry certified, it receives a "Stamp of Excellence", which represents the apex of program quality. Only those programs that have successfully undergone rigorous reviews by leaders from business and industry are recognized with this distinction.

This formal process strengthens all program components, including:

- Classrooms and labs which are equipped with state-of-the-art equipment and technology;
- CTE and academic performance standards that are aligned to national standards;
- In-depth, project-based instruction in all curriculum areas;
- Appropriate and varied Career Related Education (CRE) instruction, including school-based enterprises and entrepreneurial ventures;
- Career and Technical Student Organizations (CTSOs) which offer co-curricular competitive events on the local, state and national level and provide leadership development skills for personal and professional growth; and,
- Business, industry and community involvement in all aspects of the program.

The following Fayette County CTE Programs are industry certified: FCHS's Automotive Program is NATEF certified, MHS's Graphic Arts Program is PrintED certified, SMHS's Early Childhood Education Program is NAEYC nationally certified and SMHS's Health Science Program is expected to be industry certified in the Spring of 2020.

NON-TRADITIONAL OCCUPATIONS

Nontraditional careers are those occupations or fields of work for which individuals from one gender comprise less than 25% of the individuals employed. Students are encouraged to enroll in courses that fit their career goals regardless of the gender make-up in the classroom. Some examples of nontraditional careers are:

- Nursing for males
- Drafting for females
- Cosmetology for males
- Automotive for females

INDUSTRY CERTIFICATION, NON-TRADITIONAL AND RESOURCES

CAREER PLANNING RESOURCES

https://www.ctaern.org/
The CTAE Resource Network, Inc. (CTAERN) is a non-profit organization established to strengthen and support Career, Technical, and Agricultural Education (CTAE) initiatives in Georgia. CTAERN is a unique consortium dedicated to providing exemplary professional development activities and other high quality services designed to meet the instructional career development needs of the CTAE educators, counselors, and administrators of Georgia.

www.GAfutures.org
GAfutures is an internet site for planning, paying, and applying for college.

https://www.careeronestop.org
The Career One Stop website is sponsored by the U.S. Department of Labor and is your source for career exploration, training and jobs.

https://www.bls.gov/ooh/
The Occupational Outlook Handbook is a nationally recognized source of career information. It describes what workers do on the job, working conditions, the training and education needed, earnings, and expected job prospects. The handbook covers a wide range of occupations.

www.Myplan.com
MyPlan.com is a career database which allows visitors to search, browse or query through over 900 different careers, read career profiles, job descriptions, and educational requirements, and explore career outlooks.
WORK-BASED LEARNING

The Work-Based Learning (WBL) program is designed to provide student internships and apprenticeships that support a school to career transition. Students are allowed to work off campus in the business community in order to learn more about a chosen career. Once a student has met all application requirements for WBL, the WBL Coordinator will determine the correct WBL placement for the student. The students will earn one unit of elective credit for each completed WBL course.

WBL IS RELATED TO THE FOLLOWING

- Advanced Academic Pathways
- Architecture and Construction
- Arts, A/V Technology, & Communications
- Business Management and Administration
- Education and Training
- Finance
- Fine Arts Pathways
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- JROTC
- Law, Public Safety, Corrections & Security
- Marketing
- Science, Technology, Engineering & Mathematics
- Transportation Distribution & Logistics
- World Language Pathways

REQUIREMENTS FOR WBL

- Students who have completed or are completing any Pathway can apply for the Work-Based Learning Program
- Students must be at least 16 years of age
- Students must have good attendance, discipline, and teacher recommendations

EMPLOYABILITY SKILL DEVELOPMENT (ESD)

- Paid entry level work
- Limited to one year
- May or may not be linked to a specific pathway
- Must have completed or be currently enrolled in any related pathway courses

INTERNSHIP

- Can be paid or unpaid work experience
- Must have earned one credit in a CTE pathway or closely related academic course related to the placement

COOPERATIVE EDUCATION (CO-OP)

- Paid work experience
- Directly related to student’s career pathway
- Currently enrolled in a course that is directly related to job placement

YOUTH APPRENTICESHIP (YAP)

- Paid work in a job classified as highly skilled in business and industry
- Work in chosen career area
- Student must have post-secondary education plans in chosen career area (earning a degree, licensing, or certification depending on career requirement)
- For completion of YAP program students must have 720 hours on-the-job training

ADDITIONAL OPPORTUNITIES
DECA
DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality, and management in high schools and colleges around the globe. DECA is a co-curricular marketing organization for students who have a career interest in marketing, finance, hospitality, and tourism, entrepreneurship, management, or business administration. DECA allows students to complete and learn about marketing skills needed to be successful in today's business world. DECA currently operates in the over 4,000 high schools in many different countries including Mexico, Germany, Puerto Rico, and Canada. As an organization, DECA holds an annual Fall Leadership Conference that sharpens the skills and techniques of the attendees. At the annual state conference, students are also allowed to compete in a range of areas including Sports and Entertainment Marketing, Apparel and Accessories, Automotive, Restaurant Management, Accounting, and many more. There is over $300,000 of scholarship money from DECA's corporate sponsors available to its members. DECA gives students the chance to work with real business partners and can open the door for future employment opportunities. DECA allows its members to grow as leaders who can positively impact their community.

FBLA
Future Business Leaders of America
Georgia FBLA is a nonprofit business and computer science student organization committed to preparing today's students for success in business leadership. With over 50 years of experience, Georgia FBLA is the premiere organization for student leaders.

Georgia FBLA is an affiliate of Future Business Leaders of America-Phi Beta Lambda, Inc., the largest student business organization in the world with more than 250,000 members. Georgia is also the largest FBLA chapter in the state with over 20,000 members.

FBLA is an important partner in the success of school-to-work programs, business education curriculums, and student leadership development. FBLA is recognized by the U.S. Department of Education and Labor as an integral part of a co-curricular approach to business and leadership education.

The FBLA mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs. We bring our mission to life through the application of our motto: Service, Education, and Progress.

CTSO Core Values
Career and Technical Student Organizations (CTSO) are designed to build character and develop leadership abilities of high school students. CTSO's promote active community involvement, providing service to others, and participation in competitive events with other high school students across the state. Involvement in CTSO's provide valuable life lessons and educational experiences to prepare students for success in today's society.

Commitment To create among members, educators, and business and industry an adherence and appreciation for all Career, Technical, and Education Programs.

Conviction To develop patriotism through knowledge of our nation's heritage and practice of democracy.

Education To create enthusiasm and empower students to become lifelong learners.

Integrity To deal honestly and fairly with one another.

Leadership To develop leadership abilities through participation in educational, professional, community, and social activities.

Professionalism To promote high standards in career ethics, workmanship, scholarship and safety.

Recognition Appreciation of the value of achievement.

Service To cultivate a desire to contribute to the benefit and welfare of others.

Teamwork To enhance the ability of students to plan together, organize and carry out worthy activities and projects through the use of the democratic process.
FCCLA
Family, Career, and Community Leaders of America
Family and Consumer Science Education

FCCLA is a national family and consumer science education student organization that helps young men and women become leaders and address important personal, family, work, and social issues through family and consumer sciences education. Through cooperative and competitive programs, FCCLA members develop skills for life including character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation. Participation in national programs and co-curricular chapter activities enables FCCLA members to learn cooperation, take responsibility, develop leadership, and give service.

HOSA
Health Occupations Students of America

Health Science Technology Education (HSTE) is a national student organization that provides a unique program of leadership development, motivation, and recognition exclusively for secondary, post-secondary, collegiate, and adult students enrolled in health occupations education courses or instructional programs. HOSA is an integral part of approved health occupation programs. Health Science Technology Education (HSTE) students who become active members in a local HOSA chapter are eligible for membership in state and national HOSA.

The mission of HOSA is to enhance the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health occupations education students, therefore helping the students to meet the needs of the health care industry. For more information, go to www.hosa.org or www.georgiahosa.org.

SKILLSUSA
Students Taking Action with Recognition

Georgia SkillsUSA members participate in local, state, and national activities provided through trade and industrial, technical, and health occupations courses and programs. This include drama, communication, broadcasting and graphic arts students. The mission of SkillsUSA is to develop leadership skills and workplace competencies that students will need to succeed in a constantly changing global workplace. The organization provides many opportunities for leadership development and skills training. Competition in over 70 leadership, health occupations, occupationally related, and trade, industrial, and technical contests is offered at the region and state levels, culminating with the SkillsUSA Championships in Kansas City, Missouri, in June.

TSA
Technology Student Association

Georgia Technology Student Association (GA TSA) is committed to providing students with opportunities to excel and advance as part of their instruction in engineering and technology education. Georgia TSA promotes technology education as a means of preparing students for a dynamic world, inviting them to become critical thinkers, problem solvers, and technologically literate leaders. The mission of GA TSA is to prepare its members to be successful leaders and responsible citizens in a technological society through co-curricular activities with the technology education program, thereby developing communication, leadership, and competitive skills.

Also offered at Bennett’s Mill Middle School
The following courses are typically considered Career, Technical, and Education (CTE) Courses. The State Department of Education along with the University System of Georgia have determined that these courses may also be used to fulfill certain graduation and college admission requirements. If you have any questions, please talk with your student’s high school counselor.

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>Counts as 4th Science for Graduation</th>
<th>Counts as 4th Science to a 4 yr. College</th>
<th>Counts as 4th Math for Graduation</th>
<th>World Language Credit for Graduation Electives ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Advanced Placement Computer Science</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>* Advanced Placement Computer Science Principles</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Aerospace Science: Flight Science</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Computer Science Principles</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Essentials of Healthcare</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food for Life</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food Science</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forensic Science and Criminal Investigation</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Programming, Games, Apps and Society</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

* Two computer science sequenced courses will satisfy the two year world language requirement for graduation electives but may not be accepted for world language credit by the colleges and universities.
InFOrMArIOn rEGardInG duaL EnrOlLMEnT aT FaYETTE COunTY SCHOOLS

The Dual Enrollment (DE) Program provides Fayette County students the opportunity to take post-secondary coursework for credit towards both high school graduation and post-secondary requirements. The program is offered during all terms of the school year; fall, spring, and summer semesters or fall, winter, spring, and summer quarters.

There are several benefits for students who participate in Dual Enrollment:

• Introduces students to college-level coursework.
• Earning college credits while still in high school may enable students to graduate early and/or possibly even earn an associate degree, diploma or certificate.
• Helps students adjust to certain aspects of the college experience (e.g., classes, coursework, instruction, being on a college campus) so the transition from high school to college may be easier.
• Students who participate in a dual enrollment program are more likely to go to college and get a college degree.
• Students may be able to take classes that are not offered at their high school, especially in subject areas they are interested in for a potential career.
• Participating in a dual enrollment program demonstrates a student's ability to handle more difficult coursework which is something college admissions officers may look upon favorably during admissions and recruiting.
• Taking college-level classes while still in high school may build confidence and encourage those students who may not be thinking about college to reconsider.

The DE program allows students to pursue post secondary study at approved public and private colleges and technical colleges while receiving dual high school and college credit for courses successfully completed. Courses pursued by students under this program must come from the approved course directory available at the Georgia Futures website www.gafutures.org.

DUAL ENROLLMENT

All Fayette County students who wish to participate in Dual Enrollment must follow the Fayette County Dual Enrollment Mandatory steps each year. These steps include a mandatory presentation that serves as the advisement conference which is required by state law. Fayette County’s main Dual Enrollment partners include:

• Clayton State University
• Georgia Military College
• Point University
• Southern Crescent Technical College
• University of West Georgia
Students interested in more information regarding GA Dual Enrollment program should visit gafutures.org. To participate in this program as a Fayette County student see the Eligibility and Requirements below:

**ELIGIBILITY AND REQUIREMENTS**
The Dual Enrollment opportunity is available to all students in 10th -12th grade. These are the important steps to follow:

- **9th grade students are not eligible** to participate in the Dual Enrollment Funding Program.
- **10th grade student eligibility:**
  - All students in the 10th grade are eligible to enroll in Career, Technical and Agricultural Education (CTAE) courses at a participating TCSG institution only.
  - The students in the 10th grade with a SAT score of 1200 or an ACT score of 26 prior to the term may enroll in any approved Dual Enrollment courses at a TCSG, USG or private eligible participating postsecondary institution.
- **11th or 12th grade student eligibility:**
  - All students in grades 11th-12th are eligible to enroll in any approved Dual Enrollment courses at a TCSG, USG or private eligible participating postsecondary institution.

**IMPORTANT CONSIDERATIONS**

**Dual Enrollment course and hour limits**
- Understand that GA Dual Enrollment program has a 30 hour cap
- Understand that GA Dual Enrollment program limits approved course
- Understand DE course must be approved by high school counselor

**Admission into the college/university**
- Meet the requirement for admission
- Required SAT/ACT or Accuplacer testing has been completed or is scheduled.
- Submit a completed application to the college/university.
- Apply early to ensure the college/university has enough time to process for acceptance.

**Academic Rigor**
- Understanding the Dual Enrollment courses will be rigorous courses.

**Attendance**
- Recognizing the importance of attending all classes.

**Communication Skills**
- Knowing when to ask for the professor’s help and learning early each semester how to contact each professor.
- Understanding that communication from the professor will be with the student and NOT the parent(s)/guardian(s).

**Syllabus**
- Being familiar with each college professor’s syllabus which will be the road map for the course and include all important deadlines.

**Transportation and Additional Expenses**
- Making certain that student and parent know that they must provide their own transportation for classes taken on the college campus.
- Items OTHER THAN tuition, mandatory fees, and books are the responsibility of the student and parent/guardian under the Dual Enrollment Program.
- Provided only to some dual enrollment courses offered at the Center of Innovation.

**Satisfactory Academic Progress (SAP)**
- It is the responsibility of the student to know what the SAP is at the postsecondary institution the student is attending.

**Required Steps for Fayette County**
- Completion of mandatory steps (located on the Student’s Schoologly) by the May 2nd deadline.

**Note:** Deadlines for each step
DUAL ENROLLMENT

THESE ARE THE IMPORTANT STEPS TO FOLLOW

Must complete the mandatory Dual Enrollment (DE) steps each school year in which the student plans to participate in the DE program.

1. Both students and parent must preview the Mandatory Information Presentation (face to face or virtual) and complete the Fayette County Dual Enrollment Contract and Advisement form. Deadline: March 30, 2022. (The presentation will no longer be available.)
   • Both student and parent (guardian) must complete the steps EACH year the student plans to participate.
   • To review/update requirements and procedures
2. Apply for admission into the college
   • Admissions requirements vary from college to college
   • Take the ACT/SAT or Accuplacer (if required by college)
   • Know the admission’s minimum age requirements
   • Follow the admissions deadlines
   • Apply early to ensure meeting Fayette County’s May 2nd deadline
3. Upload college acceptance notice into Schoology
4. Complete the online DE application on gafutures.org (it’s the funding application NOT admission to the college)
5. Schedule a meeting (face to face or virtual) with School Counselor once college acceptance is received and funding application is complete
   • At this meeting the high school counselor will:
     • Check for student/parent completion of Mandatory Dual Enrollment Information Step 1
     • presentation and contract/advisement
     • Check to ensure that student/parent completed the student participation/funding application on gafutures.org
     • School counselor will discuss/approve DE courses options
6. Student will register for DE courses (only those approved by the school counselor) at the college
7. Upload a copy of your final DE college schedule (must reflect those approved course)

DEADLINE: May 2, 2022

CENTER OF INNOVATION (COI)

Fayette County School System’s Board of Education has partnered with Clayton State University and Southern Crescent Technical College to offer dual enrollment opportunities at the COI. Dual Enrollment courses are offered in the following career clusters: film, health science, culinary and information technology -- see Table of Contents.

COI Bus Transportation

• Students enrolled in a first block (8:00/8:45-10:00) class MUST provide their own transportation to the COI.
• Bus transportation is only provided at the following times:
  • from COI at 10 am (end of 1st block) to home school
  • to and from the home school and the COI for the 12:15-1:30 (2nd block) and 2:30-3:45 (3rd block).
  • Students are taken home from the COI after the 3rd block.
• Bus routes are based on student requests at the beginning of each semester. Route additions will NOT be made during the semester.
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS
Careers with common knowledge and skills related to designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

BUSINESS MANAGEMENT AND ADMINISTRATION
Careers with common knowledge and skills related to the preparation of students with computer skills for future college and career plans. Cluster skills mastered include planning, organizing, directing, and evaluating as well as owning and operating a successful business.

EDUCATION AND TRAINING
Careers with common knowledge and skills related to planning, managing, and providing education and training services as well as related learning support services.

FINANCE
Careers with common knowledge and skills related to money management, including planning, investing, and spending. Students will gain career development skills for the finance world with opportunities that expand beyond basic business skills into financial literacy, banking, investing, insurance, and risk management.

GOVERNMENT AND PUBLIC ADMINISTRATION
Careers with common knowledge and skills related to planning and performing of government management and administrative functions at local, state, and federal levels. Careers are available in national security, foreign service, revenue, and regulations.

HEALTH SCIENCE
Careers with common knowledge and skills related to planning, managing, and providing services in therapeutics, diagnostics, health informatics, support areas, and biotechnology research and development.

HOSPITALITY AND TOURISM
Careers with common knowledge and skills related to the management, marketing, and operations of restaurants, and other food services, lodging, attractions, recreation events, and travel related services.

HUMAN SERVICES
Careers with common knowledge and skills related to family and human needs such as nutrition and food science, counseling and mental health services, family and community services, personal care, and consumer services.

INFORMATION TECHNOLOGY
Careers with common knowledge and skills related to the preparation for careers that create, use, modify, and engage technology skills. Graphics, multimedia animation, web design, game and application development, networking, and computer repair are all possibilities.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY
Careers with common knowledge and skills related to employment in emergency and fire services, legal services, protective services, and homeland security.

MARKETING
Careers with common knowledge and skills related to the process of anticipating, managing, and satisfying consumers’ demand for products, services, and ideas. The Marketing career cluster generates the strategy that underlies advertising and promotional techniques, business communication, and business development.

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)
Careers with common knowledge and skills related to planning, managing, and providing scientific research and professional and technical services.

TRANSPORTATION DISTRIBUTION AND LOGISTICS
Careers with common knowledge and skills related to planning, managing, and moving people, materials, and goods by road, pipeline, air, rail, and water, and also includes other related professional and technical support services.
Career Pathways are state-approved career enhancement programs defined as a coherent, articulated sequence of rigorous academic and career-related courses starting in the ninth grade and leading to an associate degree, and/or an industry-recognized certificate or licensure, and/or a baccalaureate degree and beyond.

Career, Technical, and Education (CTE) provides students with the opportunity to select at least three sequenced courses in a career pathway.

**CTE CONCENTRATOR:** A secondary student who has successfully completed two courses (earned 1 unit of credit in each of the 2 courses) within a state recognized Georgia approved CTE Pathway.

**CTE PATHWAY COMPLETER:** A CTE pathway completer is a student who successfully completes all three courses in an approved DOE CTAE pathway.

Selection of a pathway is based on self-awareness and the investigation of occupations plus related educational levels aligned with the pathway. Most in-demand, high-skilled, high-wage occupations in all sectors still require education and/or training beyond high school.

Implementation of career pathways is a collaborative effort between the Fayette County Public Schools, the Georgia Department of Education, the Technical College System of Georgia and the University System of Georgia.

**OVERVIEW OF CAREER CLUSTERS PATHWAYS**

- Georgia’s 17 Career Cluster/Pathways provide a structure for organizing and delivering quality Career, Technical and Education (CTE) programs.
- Modeled after the National Career Clusters configuration utilized by most of the United States, Georgia’s 17 Career Cluster/Pathways Model represents approximately 96 career pathways to help students navigate their way to greater success in college and career.
- As an organizing tool for curriculum design and instruction, the 17 Career Clusters provide essential knowledge and skills for the students’ career pathways.
- This model functions as a:
  - Useful guide in developing programs of study that bridge secondary and postsecondary curriculum.
  - Indicator of a range of career options for students’ graduation plans of study.
  - Method of allowing students to discover their interests and passions, empowering them to choose the educational pathway that may lead to success in high school, college and career.
- The 17 Career Cluster/Pathways encompass both secondary and postsecondary education and will strengthen and improve student transition from secondary to postsecondary education.
The Audio-Video Technology and Film classes teach all aspects of video/film production from pre-production, to production, to post-production. Working cooperatively and independently students will have the opportunity to participate in a variety of hands-on productions where they will learn about topics such as advanced camera techniques, audio production, scriptwriting, producing, directing, and editing.

**PATHWAY I COURSES**
1. Audio and Video Technology and Film
2. Audio and Video Technology and Film II
3. Audio and Video Technology and Film III
4. Georgia Film Academy and SCTC Film DE Courses

**PATHWAY II COURSES**
1. Audio and Video Technology and Film
2. Audio and Video Technology and Film II
3. Broadcast Video Production Application
4. Georgia Film Academy and SCTC Film DE Courses

**RECOMMENDED COURSES**
- Business Communications
- World Language
- Intro to Animation and 3D Design
- Marketing Principles
- Yearbook/Journalism
- Web Page Design
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See [www.GAFutures.org](http://www.gafutures.org) for additional information

**TECHNICAL COLLEGES**
- Technical Studies
- Telecommunications Arts

**COLLEGES/UNIVERSITIES**
- Broadcast Design
- Journalism and Broadcasting
- Mass Communications
- Mass Media/Arts
- Public Relations
- Video/Digital

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

**INDUSTRY CREDENTIAL**
Adobe Premiere Pro

**TOP CAREER CHOICES**
- Audio and Video Equipment Technician
  - $45,320 annual salary
- Camera Operators, Television, Video and Motion Picture Graphic Designers
  - $59,630 annual salary
- Film and Video Editors
  - $65,050 annual salary

**ADDITIONAL CAREER CHOICES**
- Artist and Related Workers
- Assistant Director
- Audio and Video Equipment Techs
- Broadcast Technician
- Camera and Photographic Equipment Repairers
- Computer Programmers
- Director of Photography
- Graphic Designers
- Grip
- Lighting Technician
- Photographers
- Reporter
- Script Supervisor
- Set and Exhibit Designers
- Sound Engineering Technician
- Station Manager
- Technical Directors/Managers

**INDUSTRY CRedit**
Adobe Premiere Pro

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
GEORGIA FILM ACADEMY AND SCTC FILM OPTION

The film industry in Georgia is booming - currently ranked third in the nation and fifth in the World for number of productions (behind Hollywood and New York). Industry growth over the net 3-5 years is projected to generate 3,000 - 5,000 new jobs in Georgia, most of which are on the set. The average earnings in these jobs are $84,000 a year. However, getting into the industry is not easy. On-set film workers need a very specific set of skills attained by working on industry-standard equipment as well as experience on professional productions.

IN DEMAND CAREERS

Animator
Artist
Background Artist
Best Boy electric
Best Boy Grip
Cinematographer
Costumer Designer/Tailor
Film Department Head
Flash Animator
Fork Lift Operator
Mobile Application Developer
Painter
Plasterer
Set Builder
Special Effects Technician
Specialty Technician
Story Boarder
Stunt Team Member

Students will be introduced to the skills used in on-set film production, including all forms of narrative media which utilize film-industry standard organizational structure, professional equipment and on-set procedures. The courses will also include demonstrations of equipment, set operations, as well as hands-on learning experiences. Students will learn: film production organizational structure, job descriptions and duties in various film craft areas, names, uses, and protocols related to various pieces of professional on-set film equipment, about scheduling and budgeting, crew responsibilities and location logistics and organizational expectations. In addition, students will learn skills related to networking and self-marketing.

IMPORTANT INFORMATION

• The courses at the COI are dual enrolled, therefore, student and parent must attend one of the district mandatory dual enrollment meetings - see counselor for dates and page 18-19 for additional DE information.
• Bus transportation to/from the COI is detailed on page 18.
• It is recommended the courses listed above be taken in one's senior year after completion of the Audio/Video Technology and Film I or II pathway or after completion of a Fine Arts pathway in Theater/Drama.

FALL SCTC DUAL ENROLLMENT COURSES FILM AND TV PRODUCTION

Learn about on-set production protocols, the pre-production/post-production process and crew responsibilities.
• FILM 1100 - Georgia Film Academy Course 1 - Introduction to On-Set Film Production

SPRING SCTC DUAL ENROLLMENT COURSES ADVANCED SKILLS FOR FILM AND TV

Students will broaden their understanding the scheduling and budgeting process that are intrinsic to the success of any type of production. Advanced rigorous exposure to crew responsibilities, locations logistics and organizational expectations are also included.
• FILM 1030 - Essentials of Film and Television Post - Production 1
• FILM 2010 - Advanced Skills for Film and TV Production I - Prerequisite - a “C” or better in GFA 1
• FILM 2020 - Advanced Skills for Film and TV Production II - Prerequisite - a “C” or better in GFA 1

The Animation and Digital Media Pathway is a series of courses that teach all aspects of 2D and 3D animation and digital design. Students will gain knowledge in animation history, basic modeling, storyboarding concepts, game development and fundamentals of motion while working to incorporate effective sound and lighting techniques, as well as 3-D space morphing into their animated projects. Working independently, as well as on small production teams, students will learn to manage the entire production pipeline for 3-D projects. Students in the Animation and Digital Media Pathway will have the opportunity to become effective and efficient multi-skilled animators as they develop a thorough working knowledge of the animation opportunities available in a rapidly growing career field.

**PATHWAY COURSES**
1. Introduction to Digital Media
2. Principles and Concepts of Animation
3. Advanced Animation, Game, and App Design
4. Animation Practicum Capstone

**RECOMMENDED COURSES**
- Computer Science Principles
- Graphic Design
- Business Communications
- Intro to Animation and 3D Design
- Intro to Business and Technology
- Marketing Principles
- Web Page Design
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See [www.GAFutures.org](http://www.GAFutures.org) for additional information

**BACHELOR’S DEGREE**
- Animation School - Varying Certificates available
- Intern experience

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

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**TOP CAREER CHOICES**

- **Camera Operators (Television, Video, Motion Picture)**
  - $59,980 annual salary
- **Special Effects Artist and Animators**
  - $59,700 annual salary
- **Artists and Related Workers**
  - $90,350 annual salary
- **Graphic Designer**
  - $53,230 annual salary
- **Film and Video Editor**
  - $65,050 annual salary

**ADDITIONAL CAREER CHOICES**
- Animation Producers
- Artistic Director
- 3D Animator
- TV Director
- TV Producer

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*Source: GADOE Plans of Study*


https://www.bls.gov/oes/current/oes_stru.htm
Graphic Communications allows the students to perform a variety of tasks. Students will experience basic introduction to graphic communications. Activities include making notepads, business cards, brochures, postcards, cover designs and promotional materials, invitations, and more. Many students will be a part of the ever increasing need for work used by local schools and businesses.

**PATHWAY COURSES**
1. Introduction to Graphics and Design
2. Graphic Design and Production
3. Advanced Graphic Output Processes

**RECOMMENDED COURSES**
- Advanced Web Design
- Computing in the Modern World
- World Language
- Fundamentals of Web Design
- Introduction to Animation and 3D Design
- Legal Environment of Business
- Psychology
- Work-Based Learning
- Yearbook/Journalism

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See [www.GAFutures.org](http://www.gafutures.org) for additional information

**TECHNICAL COLLEGES**
- Graphic Communications Management
- Graphic Design
- Photography
- Prepress and Production

**COLLEGES/UNIVERSITIES**
- Graphic Design
- Industrial Design
- Product Design

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

**INDUSTRY CREDENTIAL**
Adobe InDesign

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Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Graphic Design is the art and practice of visually communicating ideas and experiences that have visual and contextual content. The form of communication can be physical (printed) or virtual (screen); and, may include images, words, and/or graphic forms. Intro to Graphics and Design is an introduction to the principles and processes of graphic design using creative problem solving skills. Graphic Design and Production explores printing processes including digital printing, screen printing, and offset printing. For the third level of the pathway, students decide between one of two courses: Advanced Graphic Design or Advanced Graphic Output Processes.

**PATHWAY COURSES**
1. Introduction to Graphics and Design
2. Graphic Design and Production
3. Advanced Graphic Design

**RECOMMENDED COURSES**
- Art
- Intro to Business and Technology
- Marketing

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- Graphic Communications Management
- Graphic Design
- Photography
- Prepress and Production

**COLLEGES/UNIVERSITIES**
- Graphic Design
- Industrial Design
- Product Design

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

**TOP CAREER CHOICES**
- Commercial and Industrial Designer
  - $59,350 annual salary
- Public Relations Specialist
  - $59,230 annual salary
- Graphic Designer
  - $53,230 annual salary
- Media and Communication Workers
  - $61,350 annual salary
- Interior Designer
  - $57,920 annual salary

**ADDITIONAL CAREER CHOICES**
- Advertising
- Fashion Design
- Illustration
- Marketing
- Multimedia
- Photography
- 3D Animation
- Web Design

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Pathway of social, ethical, and human issues related to technology. Courses will provide an introduction to computer technology, decision making, productivity, communications, and problem-solving skills. Areas of instruction include integration of word processing, desktop publishing, spreadsheet, database, and presentation software as well as the use of emerging technologies.

**PATHWAY COURSES**
1. Introduction to Business and Technology
2. Business and Technology
3. Business Communications

**RECOMMENDED COURSES**
- Any business and computer science course
- World Language
- Marketing Principles
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- Administrative Support Assistant
- Business Administrative Assistant
- Business Administrative Technology
- Certification in Microsoft Applications (MOAC)
- Data Entry Clerk
- General Office Assistant
- Microsoft Excel Application User
- Microsoft Office Application Professional
- Microsoft Word Application Professional

**COLLEGES/UNIVERSITIES**
- Business
- Business Administration

**INDUSTRY CREDENTIAL**
Microsoft Word, Excel and PowerPoint

**TOP CAREER CHOICES**
- Financial and Investment Analysts, Financial Risk Specialists and Financial Specialist
  $85,630 annual salary
- Accountants and Auditors
  $79,690 annual salary
- Human Resource Specialist
  $62,340 annual salary
- Personal Financial Advisor
  $108,650 annual salary

**ADDITIONAL CAREER CHOICES**
- Communications Equipment Operator
- Computer Operator
- Court Reporter
- Customer Service Assistant
- Data Entry Specialist
- Desktop Publisher
- Dispatcher
- Executive Assistant
- Information Assistant
- Office Manager
- Receptionist
- Shipping and Receiving Personnel
- Word Processors

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- FBLA
- SkillsUSA

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Entrepreneurs, innovators, and small businesses play a key role in Georgia's economy. Business professionals may be managers, owners, accountants, economists, administrators, or analysts. These individuals must possess excellent communication skills and be able to establish working relationships with many different people.

PATHWAY COURSES
1. Introduction to Business and Technology
2. Legal Environment of Business
3. Entrepreneurship

RECOMMENDED COURSES
• Any Business and Computer Science Course
• World Language
• Marketing Principles
• Work-Based Learning
• Yearbook/Journalism

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAfutures.org for additional information
TECHNICAL COLLEGES
• Business Office Technology
• Entrepreneurship
• Management and Supervisory Development
• Office Administration
COLLEGES/UNIVERSITIES
• Business
• Business Administration

TOP CAREER CHOICES
Advertising and Promotion Manager
$139,710 annual salary
Chief Executive
$155,168 annual salary
Personal Financial Advisor
$108,650 annual salary
Social and Community Service Manager
$67,720 annual salary
Training and Development Manager
$115,200 annual salary

ADDITIONAL CAREER CHOICES
Appraiser and Assessor of Real Estate
Accountant and Auditor
Administrator
Bank Teller
Business Educator
Chief Executive Officer
Claims Adjuster and Examiner
Computer Support Specialist
Computer Systems Analyst
Cost Estimator
Database Administrator
Entrepreneur
Financial Analyst and Manager
Investigator
Network and Computer System
Paralegal and Legal Assistant
Sales Manager
Tax Prepare

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
• FBLA
• SkillsUSA

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Preschool, kindergarten and elementary school teachers play a vital role in the development of children. They introduce children to math, language, science and social studies. They use games, music, artwork, films, books, computers and other tools to teach basic skills. Teachers design classroom presentations to meet students’ needs and abilities. They also work with students individually. They are responsible for planning, evaluating, and creating lesson plans.

**PATHWAY COURSES**
1. Early Childhood Education I
2. Early Childhood Education II
3. Early Childhood Education Practicum

**RECOMMENDED COURSES**
- Any Education Course
- World Language
- Psychology
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- Child Care Assistant
- Child Care Manager
- Child Development Associate I and II
- Child Development Specialist
- Early Childhood Care and Education (Associate Degree)
- Early Childhood Care and Education Assistant
- Early Childhood Program Administration
- Infant-Toddler Childcare Specialist

**COLLEGES/UNIVERSITIES**
- Art Teacher
- Elementary Teacher
- Music Teacher
- Physical Education Teacher

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- FCCLA

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**TOP CAREER CHOICES**

- **Elementary School Teacher**
  - $58,190 annual salary

- **Kindergarten Teacher**
  - $57,490 annual salary

- **Preschool Teacher**
  - $32,540 annual salary

- **Special Education Teacher**
  - Preschool, Kindergarten or Elementary
  - $61,190 annual salary

**ADDITIONAL CAREER CHOICES**

- After-School Program Supervisor
- Child Care Administrator
- Child Care Director and Owner
- Child Care Supervisor
- Child Life Specialist
- Education Administrator
- Educational and Teacher Aide
- Elementary School Teacher
- Recreation Attendant
- Special Education Teacher
- Preschool Teacher
- University Instructor and Professor

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Source: GADOE Plans of Study


https://www.bls.gov/oes/current/oes_stru.htm
Educational services is the second largest industry which includes a variety of institutions that offer academic education or career and technical instruction. This includes elementary, middle and secondary schools, universities, colleges, professional schools, community or junior colleges and career and technical institutes. The overall demand for educational services will increase as growing emphasis on improving education along with retirements will create large numbers of job openings.

**PATHWAY COURSES**
1. Examining the Teaching Profession
2. Contemporary Issues in Education
3. Teaching as a Profession Practicum

**RECOMMENDED COURSES**
- Any Education Course
- World Language
- Human Growth and Development
- Psychology
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- Child Care Assistant and/or Child Care Manager
- Child Development Associate I and/or II
- Child Development Specialist
- Early Childhood Care and Education (Associate Degree)
- Early Childhood Care and Education Assistant
- Early Childhood Program Administration
- Early Childhood Education or Exceptionalities
- Education of the Gifted
- Infant-Toddler Childcare Specialist

**COLLEGES/UNIVERSITIES**
- Adult, Art, Music or Special Education
- Career and Technical Education
- Early Childhood Education
- English, Math, Science or Social Studies Education
- Education of the Gifted
- Family and Consumer Sciences Education
- World Language Education
- Health and Physical Education
- Human Resource and Organizational Development
- Middle School Education
- Professional School Counseling
- School Psychology
- Speech Communication

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- FCCLA

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**TEACHING AS A PROFESSION PATHWAY**

**TOP CAREER CHOICES**
- Middle School Special Education Teacher
  - $60,430 annual salary
- Library and Media Specialist
  - $61,750 annual salary
- Post-Secondary Computer Science Teacher
  - $80,550 annual salary
- Secondary School Teacher
  - $59,980 annual salary

**ADDITIONAL CAREER CHOICES**
- Administration
- Adult Educator
- After-School Program Supervisor
- Associate Teacher
- Coach
- County Extension Agent
- Education Evaluator
- Educational and Teacher Aide
- Elementary School Teacher
- High School Teacher
- Media Specialist
- Middle School Teacher
- Post-Secondary Vocational Education
- Recreation Attendant
- School Administration
- Social Services Aide
- Special Education Teacher
- Teacher

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stu.htm
The Financial Service Pathway uses project based instruction to introduce students to the basics of the banking system, bank operating procedures, negotiable instruments, and the deposit and credit functions of banks. Methods used for measuring the financial performance of banks are analyzed. Current issues and future trends in banking are examined. Students explore the major functions of bank employees by completing a flow-of-work simulation. Students formulate business and individual investment decisions by comparing and contrasting a variety of investment options.

PATHWAY COURSES
1. Introduction to Business and Technology
2. Financial Literacy
3. Banking, Investing and Insurance

RECOMMENDED COURSES
- Business Foundation and Business Management
- Desktop Publishing
- Financial Management
- Accounting 1 and 2
- Personal Financial Literacy
- Personal and Business Law 1 and 2
- Marketing 1 and 2
- Web Design

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information

TECHNICAL COLLEGES, COLLEGES/UNIVERSITIES
- Financial Planning
- Business Administration-Financial Analysis
- Accounting
- Consumer and Family Financial Services
- Disaster Relief Insurance Claim Adjuster

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- FBLA

TOP CAREER CHOICES
Insurance Sales Agent
$68,580 annual salary

Claims Adjuster
$67,860 annual salary

Accountant and Auditors
$79,690 annual salary

Personal Finance Advisor
$108,650 annual salary

ADDITIONAL CAREER CHOICES
Business Teacher
Financial Project Specialist
Financial Planner
Research
Sales and Service

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The AFJROTC program provides citizenship training and an aerospace science program for high school youth. Enrollment in the AFJROTC program is open to all young people who are in grades 9-12, physically fit, and are United States citizens. The curriculum includes Aerospace Science (AS), Leadership Education (LE) and Wellness. All students will be given academic credit towards graduation for successful completion of the AFJROTC courses provided by the Air Force.

PATHWAY COURSES
1. Aerospace Science: Aviation History and Leadership 100
2. Aerospace Science: Flight Science and Leadership 200
3. Aerospace Science: Cultural Studies and Leadership 300
4. Aerospace Science: Corps Management and Leadership 400

RECOMMENDED COURSES
- Any World Language Elective
- Any Math Elective
- Any Science Elective
- Computer Applications

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information
- Academy Appointments
- Active Reserve and National Guard options available
- Armed Forces (Advanced Placement Enlistment Opportunities) Army, Air Force, Marines, Navy, Coast Guard
- ROTC (Scholarships Available)

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- Air Force JROTC Drill Team (Armed)
- Air Force JROTC Drill Team (Unarmed)
- Field Trips to Aviation Museums, National Drill Competitions, Quiz Bowl, etc.
- Raiders Team

TOP CAREER CHOICES
Students enrolled in JROTC programs may find high-demand, high-wage, and high-skilled occupations in the public sector at www.occupydemand.org or if they plan on a career in the military they will find “Military Occupations” listed on GAfutures under the Career Planning Tab.

ADDITIONAL CAREER CHOICES
- Air Traffic Controller
- Aircraft Repairer
- Animal Care Specialist
- Broadcast Specialist
- Calvary Scout
- Chaplain
- Computer and Detection Repairer
- Construction Equipment Repairer
- Criminal Investigation Special Agent
- Dental Specialist
- Equipment Repairer
- Finance Officer
- Health Care Specialist
- Human Resource Specialist
- Information Technology Specialist
- Intelligence Analyst
- Interpreter and Translator
- Medical Laboratory Specialist
- Military Police Officer
- Missile Fire Control Operator
- Missile Fire Control Maintainer
- Multi Media Illustrator
- Signal Intelligence Analyst
- Special Force
- Technical Engineer
- Transportation Management Coordinator
- Visual Information Equipment Operator

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The program’s focus is reflected in its mission statement, “To Motivate Young People to be Better Citizens.” It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. Army JROTC is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation.

PATHWAY COURSES
1. JROTC Army Leadership Education I
2. JROTC Army Leadership Education II
3. JROTC Army Leadership Education III
4. JROTC Army Leadership Education IV

RECOMMENDED COURSES
- Any CTE Course
- World Language
- Modern US Military History

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information
- ROTC (Scholarships Available)
- Academy Appointments
- Armed Forces (Advanced Placement Enlistment Opportunities) Army, Air Force, Marines, Navy, Coast Guard
- Active Reserve and National Guard options available

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- Academic Team
- Color Guard
- Drill Team
- Raiders
- Rifle Team

TOP CAREER CHOICES
Students enrolled in JROTC programs may find high-demand, high-wage, and high-skilled occupations in the public sector at www.occsupplydemand.org or if they plan on a career in the military they will find “Military Occupations” listed on GAfutures under the Career Planning Tab.

ADDITIONAL CAREER CHOICES
- Air Traffic Controller
- Aircraft Repairer
- Animal Care Specialist
- Broadcast Specialist
- Calvary Scout
- Chaplain
- Computer and Detection Repairer
- Construction Equipment Repairer
- Criminal Investigation Special Agent
- Dental Specialist
- Equipment Repairer
- Finance Officer
- Health Care Specialist
- Human Resource Specialist
- Information Technology Specialist
- Intelligence Analyst
- Interpreter and Translator
- Medical Laboratory Specialist
- Military Police Officer
- Missile Fire Control Operator
- Missile Fire Control Maintainer
- Multi Media Illustrator
- Signal Intelligence Analyst
- Special Force
- Technical Engineer
- Transportation Management Coordinator

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The healthcare industry offers jobs in a variety of establishments: hospitals, nursing and residential care facilities, physicians, dental, and other health practitioners offices, home health care services, outpatient care centers, ambulatory health care services and medical and diagnostic laboratories.

**IMPORTANT INFORMATION**
- This class is limited to 25 students (5 from each high school) - see the health science teacher at your school for an application.
- Bus transportation is NOT provided.
- Students MUST provide their own transportation to and from clinicals (during regularly scheduled class time).
- Students MUST meet all the clinical site requirements (ie. necessary vaccinations)

**PATHWAY COURSES**
1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Allied Health and Medicine
   FCBOE course (Center of Innovation)

**RECOMMENDED COURSES**
- World Language
- Human Anatomy/Physiology
- Psychology
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFuture.org for additional information

**TECHNICAL COLLEGES**
- Clinical Lab Technology
- Dental Assisting or Hygiene
- Medical Assisting
- Nurse Aid
- Pharmacy Technology
- Practical Nursing
- Radiologic Technology
- Registered Nursing
- Surgical Technology

**COLLEGES/UNIVERSITIES**
- Doctor
- Dentist
- Nurse Practitioner
- Physical Therapist
- Registered Nurse
- Surgeon

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- HOSA

**THERAPEUTIC SERVICES ALLIED HEALTH AND MEDICINE PATHWAY**

**TOP CAREER CHOICES**
- Dental Hygienist
  $65,590 annual salary
- Medical and Clinical Laboratory Technician
  $51,450 annual salary
- Pediatrician
  $156,320 annual salary
- Physical Therapist
  $87,590 annual salary
- Surgical Technologist
  $46,690 annual salary

**ADDITIONAL CAREER CHOICES**
- Clinical Laboratory Technician
- Dental Hygienist
- EMT
- Medical Doctor
- Medical Laboratory Technician
- Orthopedic Technologist
- Paramedic
- Pharmacist
- Physical Therapist
- Radiologic Technologist
- Surgical Technologist
- Veterinarian

**INDUSTRY CREDENTIAL**
Certified Clinical Medical Assistant

**Source:** GADOE Plans of Study

https://www.bls.gov/oes/current/oes_stru.htm
The Patient Care pathway is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today’s healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support.

IMPORTANT INFORMATION
• Third year courses are dual enrolled, therefore, student and parent MUST attend one of the district mandatory dual enrollment meetings -see counselor for dates and page 18-19 for additional DE information.
• Bus transportation to the COI is detailed on page 18. Students MUST provide their own transportation to and from clinicals (weekends).

PATHWAY COURSES
1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Patient Care Fundamentals
   • Dual Enrollment Courses with SCTC (Center of Innovation)
     • ALHS 1040 Introduction to Health Care
     • ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
     • ALHS 1060 Diet and Nutrition for AHS
     • NAST 1100 Nurse Aide Fundamentals

RECOMMENDED COURSES
• World Language
• Human Anatomy/Physiology
• Physics
• Psychology
• Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information

TECHNICAL COLLEGES
• Dental Hygiene
• Orthopedic Technology
• Radiologic Technology

COLLEGES/UNIVERSITIES
• Dentist, Doctor, Surgeon
• Nurse Practitioner
• Physical Therapist
• Registered Nurse

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
• HOSA

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stu.htm
Students are prepared to provide initial stabilizing care to the sick or injured prior to the arrival of Emergency Medical Services Professionals (EMS), and to assist EMS personnel in transporting patients for definitive care at an appropriate hospital/facility.

IMPORTANT INFORMATION
• Third year courses are dual enrolled, therefore, student and parent MUST attend one of the district mandatory dual enrollment meetings -see counselor for dates and page 18-19 for additional DE information.
• Recommended for juniors who want to take EMT their senior year.
• Bus transportation to the COI is detailed on page 18.

PATHWAY COURSES
1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Emergency Medical Responder
   • Dual Enrollment Courses with SCTC (Center of Innovation)
     • ALHS 1011 Anatomy and Physiology
     • ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
     • EMSP 1010 EMR

RECOMMENDED COURSES
• World Language
• Human Anatomy/Physiology
• Physics
• Psychology
• Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information

TECHNICAL COLLEGES
• Fire Science
• Firefighter EMT

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
• HOSA

THERAPEUTIC SERVICES
EMR PATHWAY

TOP CAREER CHOICES
EMT/Paramedic
$34,450 annual salary

Fire Fighter
$38,900 annual salary

Licensed Practical Nurse
$42,570 annual salary

Registered Nurse
$69,590 annual salary

ADDITIONAL CAREER CHOICES
Emergency Nurse
EMT and Paramedic
Firefighter
Paramedic Technologist

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
HEALTH SCIENCE

THERAPEUTIC SERVICES
EMERGENCY MEDICAL TECHNICIAN (EMT) PATHWAY

TOP CAREER CHOICES
- EMT/Paramedic
  - $34,450 annual salary
- Fire Fighter
  - $38,900 annual salary
- Licensed Practical Nurse
  - $42,570 annual salary
- Registered Nurse
  - $69,590 annual salary

ADDITIONAL CAREER CHOICES
- Emergency Nurse
- EMT and Paramedic
- Firefighter
- Paramedic Technologist

PREPARES students to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. EMTs function as part of a comprehensive EMS response under medical oversight and perform interventions with the basic equipment typically found on an ambulance.

IMPORTANT INFORMATION
- Must be a high school senior and reach the 18th birthday before program completion.
- Third year courses are dual enrolled, therefore, student and parent must attend one of the district mandatory dual enrollment meetings - see counselor for dates and page 18-19 for additional DE information.
- Due to the rigor of this pathway, preference will be given to students who have completed the Emergency Medical Responder coursework.
- Bus transportation to the COI is detailed on page 18.
- Students MUST provide their own transportation to and from clinicals (weekends).

PATHWAY COURSES
1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Emergency Medical Technician
   - Dual Enrollment Courses with SCTX (Center of Innovation)
     - Fall Term
       - EMSP 1110 Introduction to EMT Profession (Advanced Credit for EMR completers)
       - EMSP 1120 EMT Assessment/Airway Management and Pharmacology
       - EMSP 1150 Shock and Trauma for the EMT
     - Spring Term
       - EMSP 1130 Medical Emergencies for the EMT
       - EMSP 1140 Special Patient Populations
       - EMSP 1160 Clinical and Practical Applications for the EMT

RECOMMENDED COURSES
- World Language
- Human Anatomy/Physiology
- Physics
- Psychology
- Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information

TECHNICAL COLLEGES
- Fire Science
- Firefighter EMT

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- HOSA
A phlebotomist draws blood for testing, verifies the patient's identity, and enters patient information into a database. Persons going into phlebotomy must be comfortable with blood, needles, and test tubes. Work location typically is a hospital, lab, or blood bank setting.

IMPORTANT INFORMATION
• Must be a high school senior and reach the 18th birthday before program completion.
• Third year courses are dual enrolled, therefore, student and parent must attend one of the district mandatory dual enrollment meetings - see counselor for dates and page 18-19 for additional DE information.
• Bus transportation to the COI is detailed on page 18.

PATHWAY COURSES
1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Diagnostics Phlebotomy
   • Dual Enrollment Courses with SCTC (Center of Innovation)
   • Please note that Articulation Exam (scoring 70 or above) or Dual Enrollment Credit for the first two courses in this pathway are required prior to enrollment.
   • ALHS 1040 Introduction to Health Care
   • ALHS 1090 Medical Terminology (may be offered via Essentials of Healthcare at the high school)
   • ALHS 1011 Anatomy and Physiology
   • PHLT 1030 Intro to Venipuncture
   • PHLT 1050 Clinical Practice

RECOMMENDED COURSES
• Any Business and Computer Science Course
• Any Science Elective
• Any World Language
• Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
Training programs are often available at community colleges/technical schools coupled with clinical experience. Students must pass a certification exam.

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
• HOSA

HEALTH SCIENCE

DIAGNOSTIC SERVICES
PHLEBOTOMY PATHWAY

TOP CAREER CHOICES
Phlebotomists
$32,040 annual salary

Cardiovascular Technologist and Technicians
$62,380 annual salary

Radiologic Technologists
$58,680 annual salary

Skills
Good eye/ hand coordination, pleasant bedside manner, attention to detail
Growth rate projected to be 27%, much faster than the average.

ADDITIONAL CAREER CHOICES
Information Nurse Specialists
Medical Lab Assistants
Nuclear Techs
Patient Service Techs (PST)
Physicians
Phlebotomists
Phlebotomy Supervisors
Registered Nurses
Respiratory Technicians
Other Related Health Science Occupations

Source: GADOE Plans of Study

https://www.bls.gov/oes/current/oes_stru.htm
Entertainment is related to film and TV, music, gaming, digital media and sports marketing are huge in Georgia. In addition to basic knowledge and skills in management and entrepreneurship, students in this Pathway will apply their knowledge and skills to this industry in order to master the industry’s terminology, market arenas and venues, obtain sponsorships, maintain solid media relations, coordinate and manage campaigns and events, etc. This pathway culminates with an opportunity for students to take the MBA Research “A*S*K Marketing Concepts” end of pathway assessment or the NOCTI “Marketing Education Manager Trainee” end of pathway assessment.

PATHWAY COURSES
- Marketing Principles
- Introduction to Sports and Entertainment Marketing
- Advanced Sports and Entertainment Marketing

RECOMMENDED COURSES
- Advanced Marketing
- Any Business and Computer Science Course
- Entrepreneurship
- Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
TECHNICAL COLLEGES
- Business Administration
- Business Management
- Executive Coaching
- Expert Sales Management
- Project Management
- Visual Merchandising

COLLEGES/UNIVERSITIES
- Accounting
- Advertising
- Communication
- Hospitality Administration
- Management
- Marketing
- Professional Sales
- Sport Management
- Travel/Tourism

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- DECA

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Employment in this field is expected to grow faster than average as a result of the increasing emphasis on disease prevention through improved dietary habits. A growing and aging population will increase the demand for meals and nutritional counseling agencies in hospitals, residential care facilities, schools, prisons, community health programs, and home health care.

**PATHWAY COURSES**
1. Food, Nutrition, and Wellness
2. Food for Life
3. Food Science

**RECOMMENDED COURSES**
- Any Business and Computer Science Course
- Any Science Elective
- World Language
- Human Growth and Development for Early Childhood
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GA Futures.org for additional information

**TECHNICAL COLLEGES**
- Culinary Arts
- Food and Beverage Management
- Food Production Assistant, Worker, or Apprentice
- Hotel/Restaurant/Tourism Management

**COLLEGES/UNIVERSITIES**
- Dietetics/Dietician
- FACS Education
- Food, Nutrition and Wellness Studies
- Food Science and Technology

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- FCCLA
Careers in Computer Science lead individuals to create, modify, and test codes - all while inventing and designing new approaches to computing technology and finding innovative uses for existing technology. Career area focus requires solving complex problems in computing for business, medicine, science, and other fields.

PATHWAY COURSES
1. Introduction to Software Technology
2. Computer Science Principles or AP Computer Science Principles
3. AP Computer Science - AP Computer Science is the only course in this pathway that SMHS offers.

RECOMMENDED COURSES
• Any Business and Computer Science Course
• Any Advanced Math Course
• Any World Language
• Entrepreneurship

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAFutures.org for additional information
TECHNICAL COLLEGES
• Computer Engineering Technology
• Electromechanical Engineering Technology
• Telecommunications Engineering Technology
• Industrial Engineering Technology
• Electrical and Computer Engineering Technology
• Computer Engineering Technology
• Computer System Design Specialist
• Network Design Technology Specialist
• Network Specialist

COLLEGES/UNIVERSITIES
• Computer Systems Engineering
• Bachelor of Arts with a Major in Applied Computer Science
• Bachelor of Science with a Major in Computer Science
• Bachelor of Science with a Major in Computer Game Design and Development

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
• FBLA
• SkillsUSA
• TSA

INFORMATION TECHNOLOGY

COMPUTER SCIENCE PATHWAY

TOP CAREER CHOICES
Employment of computer programmers is expected to increase 12 percent from 2010 to 2020, about as fast as the average for all occupations.

Computer Programmers
$87,040 annual salary

Computer System Analysts
$90,700 annual salary

Software Developers, Application
$102,680 annual salary

ADDITIONAL CAREER CHOICES
Computer Programmers
Computer and Information Systems Managers
Computer Hardware Engineers
Computer Network Architects
Computer System Analysts
Database Administrators
Information Security Analysts
Network and Computer Systems Administrators
Software Engineers
Video Game Designers

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The Programming pathway gives many opportunities to strengthen problem solving skills, and provides needed skills in all disciplines.

PATHWAY COURSES
1. Introduction to Software Technology
2. Computer Science Principles
3. Programming, Apps, Games and Society

RECOMMENDED COURSES
- Any Business and Computer Science Course
- Broadcast/Video Production
- World Language
- Introduction to Engineering Drawing and Design
- Introduction to Graphics and Design
- Work-Based Learning

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
See www.GAfutures.org for additional information

TECHNICAL COLLEGES
- Business Information Systems
- Computer Forensics
- Computer Information Systems
- Computer Programming
- Computer Software Engineering
- Computer Science
- Information Science
- Information Technology
- Mathematics

TOP CAREER CHOICES
- Computer Programmers
  $87,040 annual salary
- Database Administrator and Architects
  $94,110 annual salary
- Computer System Analysts
  $90,700 annual salary
- Network and Computer Systems Administrator
  $87,430 annual salary

ADDITIONAL CAREER CHOICES
- Actuaries
- Computer Scientist
- Computer Software Engineer
- Computer Systems Analyst
- Database Administrator
- Mathematician

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- FBLA
- SkillsUSA
- TSA

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Law, Public Safety, Corrections and Security workers plan, manage, and provide legal, public safety, and security and protective services. Occupations are numerous and represent multiple levels of education and skills. The Forensic Science Pathway is designed to provide students the opportunity to study the forensic application of principles of chemistry, biology, physics and other disciplines. Students will utilize chromatography, electrophoresis, microscopic observation, and other scientific techniques in their studies. Students will also learn some investigative techniques and crime scene investigation skills through the lens of the scientific method.

**PATHWAY COURSES**
1. Introduction to Law, Public Safety, Corrections and Security
2. Criminal Justice Essentials
3. Forensic Science and Criminal Investigations

**RECOMMENDED COURSES**
- Accounting
- Anatomy
- Any Health Care Science Course
- Computer Applications
- Foreign Language
- Forensics Science Elective
- Legal Environment of Business
- Spanish
- Wildlife Management
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- Criminal Justice Technology
- Law Enforcement Technician

**COLLEGES/UNIVERSITIES**
- Criminal Justice
- Criminology
- Pre-law

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

**TOP CAREER CHOICES**
- Detectives and Criminal Investigators
  - $45,600 annual salary
- Police and Sheriff's Patrol Officers
  - $37,400 annual salary
- Forensic Science Technicians
  - $28,400 annual salary

**ADDITIONAL CAREER CHOICES**
- Agents
- Animal Controllers
- Bloodstain Pattern Analyst
- Criminal Investigators and Special Agents
- Detectives and Criminal Investigators
- First-Line Supervisors
- Forensics Ballistics Expert
- Forensic Science Technicians
- Immigration and Customs Inspectors
- Police and Sheriff’s Patrol Officers
- Polygraph Examiner
- Sheriffs and Deputy Sheriffs

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
Students develop knowledge and skills in the foundational areas of marketing (economics, human relations and business basics) and the functional areas of marketing (product and service planning, marketing information management, purchasing and pricing, selling and promotion, risk management, financing and distribution/logistics), as well as international marketing, management and entrepreneurship.

**PATHWAY CONCENTRATION COURSES**
1. Marketing Principles
2. Marketing and Entrepreneurship
3. Marketing Management

**RECOMMENDED COURSES**
- Any Business and Computer Science Course
- World Language
- Sports and Entertainment Marketing
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See [www.GAfutures.org](http://www.GAfutures.org) for additional information

**TECHNICAL COLLEGES**
- Business Administration
- Entrepreneurship
- Expert Sales Management
- Fashion Design and Marketing
- Retail and Merchandising

**COLLEGES/UNIVERSITIES**
- Accounting
- Advertising
- Business Economics
- Communication
- Graphic Arts
- Hospitality Administration
- International Business
- Management
- Marketing
- Professional Sales
- Real Estate
- Risk Management and Insurance

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- DECA

**TOP CAREER CHOICES**
- Agents and Business Managers of Artists, Performers and Athletes
  - $53,310 annual salary
- Human Resources, Training and Labor Relations Specialist
  - $62,340 annual salary
- Marketing Research Analyst
  - $69,290 annual salary
- Personal Financial Advisor
  - $108,650 annual salary

**ADDITIONAL CAREER CHOICES**
- Advertising Account Executive
- Airline Customer Service Agent
- Art Dealer and Director
- Barber and Salon Owner
- Brand Manager
- Cashier
- Communications Specialist
- Creative Director
- Customer Service Representative
- Demonstrator and Product Promoter
- Desktop Publisher
- Entrepreneur
- Fashion Retailer
- Floral Designer
- Funeral Director
- Insurance Agent
- Interior Designer
- Landscape Architect
- Logistics Specialist
- Market Research Analyst
- Media Buyer
- Mortgage Broker
- Product Development Management
- Public Relations Specialist
- Purchaser
- Real Estate Agent
- Retail Buyer and Salesperson
- Sales Representative
- Sports Marketer
- Travel Agent

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The Engineering and Technology Pathway is designed for students to explore STEM-related concepts in a project-based environment. The pathway introduces students to the engineering design process and lays a strong foundation for students seeking to further their education in a STEM-related field. These courses give students the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities, and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

**PATHWAY COURSES**
1. Foundations of Engineering and Technology
2. Engineering Concepts
3. Engineering Applications

**RECOMMENDED COURSES**
- Algebra/Geometry
- Trigonometry/Physics

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAFutures.org for additional information

**TECHNICAL COLLEGES**
- State Registered Apprenticeships
- Special Purpose Schools
- On-the-Job Training
- Military

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- TSA

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**TOP CAREER CHOICES**

- **Civil Engineer**
  - $79,880 annual salary
- **Electrical Engineer**
  - $98,240 annual salary
- **Industrial Engineer**
  - $86,240 annual salary
- **Materials Engineer**
  - $93,840 annual salary
- **Mechanical Engineer**
  - $86,430 annual salary

**ADDITIONAL CAREER CHOICES**

- Civil Engineer
- Designer
- Drafter
- Machinist
- Manufacturing
- Mechanical Engineer
- Quality Control Inspector

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Source: GADOE Plans of Study

https://www.bls.gov/oes/current/oes_stru.htm
Those employed in flight operations include aircraft pilots, flight engineers, flight attendants and air traffic controllers. The demand for these job positions is projected to increase as growth in world travel rises and many employed in the field are expected to retire. Job opportunities will be highest among passenger and cargo airline companies with the best job prospects being regional airlines and low-cost carriers. This pathway will introduce students to the basics of aircraft navigation and the communication methods necessary for safe aircraft operations. Additionally, students will gain a meteorological foundation for understanding the forecasting and charting of weather patterns as applied to the air transportation industry.

PATHWAY COURSES
1. Fundamental of Aerospace
2. Flight Operations I
3. Flight Operations II

RECOMMENDED COURSES
- Any Business or Marketing Course
- Any World Language
- Any Engineering Course
- Chemistry/Physics/Environmental Science
- Human Geography

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
- Aerospace Engineering
- Aviation Management
- Professional Flight/Aeronautics

CAREER AND TECHNICAL STUDENT ORGANIZATIONS
- SkillsUSA
- TSA

TOP CAREERS CHOICES
- Air Traffic Controllers
  $134,550 annual salary
- Aircraft Cargo Handling Supervisor
  $53,910 annual salary
- Airfield Operations Specialist
  $59,250 annual salary
- Commercial Pilots
  $140,500 annual salary

ADDITIONAL CAREER CHOICES
- Aerospace Engineers
- Airfield Operations Specialists
- Aviation Safety Specialists
- Avionics Inspectors
- Flight Attendants
- Operations Technicians

Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
This program will provide students the opportunity to acquire a Federal Aviation Administration Certification as a Remote Pilot with small Unmanned Aerial Systems Rating. The FAA 107 Certificate is required for commercial privileges. In addition, successful completion of this course and the FAA Part 107 certification will provide future employers with confidence that the applicants have acquired the necessary knowledge and skills to perform a variety of tasks utilizing sUAS systems safely within the National Airspace System.

**Disclaimer:** Southern Crescent Technical College and Fayette County Board of Education are planning to begin this pathway beginning August 2022. Planning for this pathway is ongoing. Should circumstances beyond our control prevent the implementation of those plans the beginning date of the pathway may be delayed.

**PATHWAY COURSES**
1. AVOT 2001 UAS Concepts credits -3
   Dual enrollment course with SCTC (COI)
2. AVOT 2003 Aviation Meteorology & National Airspace System
   Dual enrollment course with SCTC (COI)
3. AVOT 2103 Small Unmanned Aircraft System Regulations
   Dual enrollment course with SCTC (COI)

**RECOMMENDED COURSES**
- Recommended for students who have completed the engineering pathway (offered at all five high schools)

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See www.GAfutures.org for additional information

**TECHNICAL COLLEGES**
- Southern Crescent Technical College

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- Skills USA

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**TOP CAREERS CHOICES**

- Unmanned Aircraft Vehicle (UAV) Pilot - $80,415 annual salary
- Public Safety/ Emergency Services - $77,892 annual salary
- Surveyors and Mapping Technicians - $66,680 annual salary
- Television, Video and Film Camera Operators and Editors - $61,900 annual salary
- Photographers - $41,280 annual salary

**ADDITIONAL CAREER CHOICES**

- Agriculture
- Delivery Services
- Engineering
- Insurance and Claim Research
- Mining Inspections and Research Hazardous Material Inspections
- Nuclear Power Plant Inspections
- Sewer and Cave Inspections
- Telecommunications and Utility Companies

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Source: GADOE Plans of Study
https://www.bls.gov/oes/current/oes_stru.htm
The auto mechanics of the past were self-taught, learning from local auto shops or dealerships. Employers are now hiring employees with good people skills and backgrounds in electronics, computers and communications, along with math and problem-solving skills. This program will teach “head skills” and “hand skills” to prepare the student for the world of automotive technology careers and to meet the needs of prospective employers.

**PATHWAY COURSES**
1. Automotive Technologies 1
2. Automotive Technologies 2
3. Automotive Technologies 3

**INTERNSHIP OPTIONS**
- Automobile Service Technology Internship 1
- Automobile Service Technology Internship 2

**RECOMMENDED COURSES**
- Advanced Algebra/Trigonometry
- Business Essentials
- Computer Applications
- Engine Performance Concepts
- Entrepreneurship
- World Language
- Heating Ventilation and Air Conditioning Concepts
- Money Management
- Physics
- Preventative Maintenance Inspection
- Work-Based Learning

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**
See [www.GAFutures.org](http://www.GAFutures.org) for additional information

**TECHNICAL COLLEGES**
- ASE
- Automotive Technology/Technician
- Welding

**COLLEGES/UNIVERSITIES**
- Education
- Business Management
- Automotive Engineering

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**
- SkillsUSA

**GENERAL AUTOMOTIVE PATHWAY**

**TOP CAREER CHOICES**
- Automotive Service Technician and Mechanics
  - $43,040 annual salary
- Bus and Truck Mechanic/Diesel Engine Specialist
  - $47,890 annual salary
- Electrical and Electronics Repairers, Commercial and Industrial Equipment
  - $57,450 annual salary
- Career and Technical Education Teacher, Post-Secondary School
  - $51,120 annual salary

**ADDITIONAL CAREER CHOICES**
- Auto Manufacturer Sales
- Auto Manufacturer Service
- Auto and Body Technician
- Automotive Engineer and Mechanist
- Automotive Parts Sales and Sales
- Body Shop Manager
- Dealership and Shop Owner
- DOT Salvage Inspector
- Insurance Adjuster
- Parts Professional
- Quality Control Technician
- Retail
- Service Advisor and Director Dealership
- Specialized Technician Teacher
- Technician (ASE Certified)
- Warranty Clerk
- Waste Management (EPA)

**INDUSTRY CREDENTIAL**
Automotive Service Excellence (ASE)

Source: GADOE Plans of Study

[https://www.bls.gov/oes/current/oes_stru.htm](https://www.bls.gov/oes/current/oes_stru.htm)