

2023-2024

CTE CAREER PLANNER

FAYETTE COUNTY PUBLIC SCHOOLS

SCHOOL KEY SYSTEM

Throughout this book, a school key system is used to indicate which programs, classes, and clubs are offered at each school.

- Fayette County High School
- McIntosh High School
- Sandy Creek High School
- Starr's Mill High School
- Whitewater High School

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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.

PARENTS AND STUDENTS

FAYETTE COUNTY HIGH SCHOOL

1 Tiger Trail
Fayetteville, GA 30214
Mrs. Yolanda Briggs-Johnson, Principal
770.460.3540
<http://www.fchstigers.org>

MCINTOSH HIGH SCHOOL

201 Walt Banks Road
Peachtree City, GA 30269
Mrs. Maggie Walls, Principal
770.631.3232
<http://www.fcboe.org/mhs>

SANDY CREEK HIGH SCHOOL

360 Jenkins Road
Tyrone, GA 30290
Ms. Tosha Oliver, Principal
770.969.2840
<http://www.fcboe.org/schs>

STARR'S MILL HIGH SCHOOL

193 Panther Path
Fayetteville, GA 30215
Mr. Allen Leonard, Principal
770.486.2710
<https://www.fcboe.org/smhs>

WHITEWATER HIGH SCHOOL

100 Wildcat Way
Fayetteville, GA 30215
Mrs. Krystin Hall, Principal
770.460.3935
<https://www.fcboe.org/whs>





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:

PUBLIC NOTICE FAYETTE COUNTY PUBLIC SCHOOLS

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:

James Stanford
 Coordinator of Career and Technical Education
 250 South Peachtree Parkway, Peachtree City, GA 30269
 770.716.1209 ext. 5502
 stanford.james@fcboe.org

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

Title IX Coordinator Steve Cole
 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.

MIDDLE SCHOOL PERFORMANCE STANDARDS

Middle School Business Management and Finance

Foundations of Business Administration
Foundations of Business Management
Foundations of Investing and Finance

Middle School Career Development

Career Awareness (Grade 6)
Career Discovery (Grade 7)
Career Management (Grade 8)

Middle School Communications

Broadcast and Graphic Communications (Grade 6)
Introduction to Communications (Grade 7)
Applications of Communications (Grade 8)

Middle School Computer Science

Foundations of Secure Information Systems
Foundations of Computer Programming
Foundations of Interactive Design

Middle School Engineering and Technology

Exploring Engineering and Technology (Grade 6)
Invention and Innovation (Grade 7)
Technological Systems (Grade 8)

Middle School Family and Consumer Science

Family and Consumer Science (Grade 6)
Family and Consumer Science (Grade 7)
Family and Consumer Science (Grade 8)

EXPLORATORY PROGRAMS	Bennett's Mill	Flat Rock	JC Booth	Rising Starr	Whitewater
Business Management and Finance	X		X		X
Career Development		X		X	
Communications		X	X	X	
Computer Science Courses	X	X	X	X	X
Engineering and Technology	X		X	X	X
Family and Consumer Science			X	X	X
Technology Student Association	X			X	

Georgia's HOT 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

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

Skills and Abilities	Work Activities	Occupational Characteristics
Critical Thinking Problem Solving	Process/Analyze Data or Information	Fast Job Growth
Judgment & Decision Making	Schedule/Organize Plan & Prioritize Work	Above Average Wages
Service Oriented/Instructing	2019 Edition - Georgia Wage Estimates	At least 400 expected annual job openings
Listening/Reading	2018-28 Annual Openings	
Oral Expression/Comprehension		
Dexterity/Arm-Hand Steadiness		
Reasoning		
Written Expression/Comprehension		
Assisting & Caring for Others		
Coaching/Training & Teaching Others		
Communicating Outside Organization		
Control Machines/Inspect Equipment		
Interacting With Computers		
Monitor Processes, Materials, Surroundings		
Physical Access/Handle-Move & Objects		

Education Level	Critical Thinking Problem Solving	Judgment & Decision Making	Service Oriented/Instructing	Listening/Reading	Oral Expression/Comprehension	Dexterity/Arm-Hand Steadiness	Reasoning	Written Expression/Comprehension	Assisting & Caring for Others	Coaching/Training & Teaching Others	Communicating Outside Organization	Control Machines/Inspect Equipment	Interacting With Computers	Monitor Processes, Materials, Surroundings	Physical Access/Handle-Move & Objects	Schedule/Organize Plan & Prioritize Work	Thinking Creatively	2019 Edition - Georgia Wage Estimates	2018-28 Annual Openings
Doctoral or professional degree																			
Health Specialties Teachers, Postsec	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	\$113,900	710
Pharmacists	●	●	●	●	○	●	●	●	●	○	●	●	●	●	●	○	●	\$113,200	630
Physical Therapists	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$82,300	440
Physicians & Surgeons, All Other	○	●	●	●	●	●	●	○	●	●	●	●	●	●	○	●	●	\$224,200	570
Master's degree																			
Education Administrators, Elem & Sec	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	\$91,200	810
Educational, Guidance, School, & Voc Counselors	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	\$53,900	1,430
Healthcare Social Workers	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	\$50,600	450
Instructional Coordinators	●	●	●	●	●	●	●	●	●	●	●	●	○	●	●	●	●	\$63,700	1,340
Nurse Practitioners	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	\$101,800	660
Physician Assistants	●	●	●	●	○	●	●	○	●	●	●	●	●	●	○	●	●	\$98,400	410
Bachelor's degree																			
Accountants & Auditors	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	\$71,900	4,890
Administrative Services Managers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$110,000	910
Architectural & Engineering Managers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$134,700	410
Business Operations Specialists, All Other	○	●	○	●	●	●	●	○	○	○	○	○	○	○	○	○	○	\$71,100	4,340
Civil Engineers	●	●	○	●	●	●	●	●	○	●	●	●	●	●	○	○	○	\$77,400	860
Clinical Lab Technologists & Technicians	●	●	○	●	●	●	●	●	●	●	●	○	○	○	○	○	○	\$48,000	980
Computer & Information Systems Managers	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$136,300	1,310
Computer Occupations, All Other	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$86,000	1,930
Elementary School Teachers, Exc Spec Ed	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$53,800	5,060
Engineers, All Other	●	●	○	●	●	●	●	●	○	●	●	●	○	○	○	○	○	\$89,300	400
Financial Analysts	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	\$79,900	790
Financial Managers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$138,200	2,040
Financial Specialists, All Other	●	●	○	●	●	●	●	●	●	●	●	●	○	○	○	○	○	\$81,100	530
General & Operations Managers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$107,400	8,960
Human Resources Managers	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$120,000	570
Human Resources Specialists	○	○	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	\$57,100	2,450
Industrial Engineers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$82,200	680
Industrial Production Managers	●	●	○	●	●	●	●	●	●	○	●	●	●	●	●	●	●	\$98,600	440
Kindergarten Teachers, Exc Spec Ed	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$51,600	590
Loan Officers	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$71,100	790
Logisticians	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$67,100	800
Management Analysts	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	\$88,600	2,980
Market Research Analysts & Marketing Spec	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	\$63,500	2,890

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



<https://explorer.gdol.ga.gov/gsipub/index.asp?docid=356>

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

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Skills and Abilities	Skills and Abilities	Work Activities	Occupational Characteristics
Critical Thinking Problem Solving	Judgment & Decision Making	Process/Analyze Data or Information	2019 Edition - Georgia Wage Estimates
Service Oriented/Instructing	Listening/Reading	Schedule/Organiz. Plan, & Prioritiz Wk	2018-28 Annual Openings
Oral Expression/Comprehension	Dexterity/Arm-Hand Steadiness	Thinking Creativity	
Reasoning	Written Expression/Comprehension	Physical Act/Handle-Move Objects	
Assisting & Caring for Others	Coaching/Training & Teaching Others	Schedule/Organiz. Plan, & Prioritiz Wk	
Communicating Outside Organization	Control Machines/Inspect Equipment	2019 Edition - Georgia Wage Estimates	
Interacting With Computers	Monitor Processes, Matrix, Surroundings	2018-28 Annual Openings	
Physical Act/Handle-Move Objects	Process/Analyze Data or Information		
Schedule/Organiz. Plan, & Prioritiz Wk	Thinking Creativity		

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

Bachelor's degree continued													Annual Wage	Annual Openings
Marketing Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$136,100	850
Mechanical Engineers	●	●	○	●	●	●	●	○	○	●	●	●	\$81,000	400
Medical & Health Services Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$105,900	1,080
Meeting, Convention, & Event Planners	●	●	●	●	●	●	●	○	●	○	●	●	\$48,200	420
Middle Schl Teachers, Exc Spec & Career/Tech Ed	●	●	●	●	●	●	●	●	●	●	●	●	\$55,500	2,310
Personal Financial Advisors	○	●	●	●	●	○	●	●	●	●	●	●	\$115,000	610
Producers & Directors	●	●	●	●	●	●	●	●	●	●	●	●	\$80,700	700
Public Relations Specialists	●	●	●	●	●	●	●	●	●	●	●	●	\$59,200	660
Registered Nurses	●	●	●	●	●	●	●	○	●	●	●	●	\$65,800	6,340
Sales Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$133,400	1,620
Secondary Schl Teachers, Exc Spec & Career/Tech Ed	●	●	●	●	●	●	●	●	●	●	●	●	\$55,400	2,500
Securities, Commodities, & Financial Svcs Sales Agents	●	●	○	●	●	●	○	●	●	●	●	●	\$72,300	1,080
Social & Community Service Managers	●	●	○	●	●	●	●	●	●	●	●	●	\$62,500	450
Software Developers, Applications	●	●	●	●	●	●	○	●	●	●	○	●	\$100,400	2,980
Training & Development Specialists	●	●	●	●	●	●	●	●	●	●	●	●	\$61,000	1,210
Associate's degree													Annual Wage	Annual Openings
Computer Network Support Specialists	●	●	●	●	○	●	●	○	○	●	●	●	\$67,600	630
Dental Hygienists	○	●	●	●	●	●	○	●	●	●	○	●	\$62,600	590
Paralegals & Legal Assistants	○	●	○	●	●	●	●	●	●	●	●	●	\$51,600	1,230
Physical Therapist Assistants	○	●	○	●	●	●	●	○	○	○	○	○	\$49,800	440
Radiologic Technologists	●	○	●	●	●	●	○	○	○	○	○	○	\$54,100	480
Respiratory Therapists	●	●	○	●	●	●	●	●	●	●	●	●	\$54,900	430
Postsecondary non-degree award													Annual Wage	Annual Openings
Telecom Equip Installers & Repairers, Exc Line Installers	●	●	●	●	○	○	○	○	○	○	○	○	\$50,700	1,300
Some college, no degree													Annual Wage	Annual Openings
Computer User Support Specialists	●	●	●	●	○	○	○	○	○	○	○	○	\$50,600	2,200
High school diploma or equivalent													Annual Wage	Annual Openings
Food Service Managers	●	●	○	●	●	●	●	○	○	○	○	○	\$49,900	1,850
Industrial Machinery Mechanics	●	●	○	●	●	○	○	○	○	○	○	○	\$47,100	1,470
Insurance Sales Agents	●	●	○	●	●	●	○	○	○	○	○	○	\$56,300	1,500
Plumbers, Pipefitters, & Steamfitters	●	●	●	●	○	○	○	○	○	○	○	○	\$45,600	1,570
Production, Planning, & Expediting Clerks	●	●	●	●	○	○	○	○	○	○	○	○	\$46,100	1,110
Sales Reps, Services, All Other	●	●	●	●	○	○	○	○	○	○	○	○	\$58,400	5,260
Sales Reps, Wholesale & Mfg, Exc Tech & Scientific Products	○	○	○	○	○	○	○	○	○	○	○	○	\$60,600	5,750
Supvs of Transp & Material Mvg Wkrs, Exc Aircraft Cargo	●	○	○	○	○	○	○	○	○	○	○	○	\$50,000	2,100

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.

GEORGIA'S STEM Careers to 2028

Science | Technology | Engineering | Mathematics

Knowledge Understanding of principles and facts of subject matter ● full knowledge required ○ some knowledge required Education Typical education needed to enter an occupation Hot jobs have faster than state annual average job growth, above the state annual average wage, and have at least 400 annual openings.	Knowledge																	Education		Occupational Characteristics				
	Administration and Management	Biology/Chemistry	Design/Build and Construction	Clerical/Customer and Personal Svc	Telecom/Communications and Media	Computers and Electronics	Economics and Accounting	Education and Training	Engineering and Technology	English Language	Law and Govt/Public Safety and Security	Mathematics	Mechanical/Production and Processing	Medicine and Dentistry	Personnel and Human Resources	Physics	Psychology/Sociology and Anthropology	Therapy/Counseling	Doctoral or Professional Degree	Master's Degree	Bachelor's Degree	HS Diploma/Assoc Degree/Some College	2019 Edition - Georgia Wage Estimates	2018-28 Annual Openings
Life and Physical Science, Engineering, Mathematics, and Information Technology Occupations																								
Aerospace Engineers			○			●		●	●		●	●								✓			\$108,900	210
Biological Science Teachers, Postsec		●		●	○	●	●	●	●	●			●						✓				\$92,400	90
Civil Engineers Hot	●		●	○		●	●	●	○	●			●	●						✓			\$77,400	860
Computer & Information Systems Managers Hot	●		○			●	●	●	●	●			●							✓			\$136,300	1,310
Computer Network Architects			○	○	○	●	●	●	●	●										✓			\$109,000	410
Computer Network Support Specialists Hot	●		○	●	●	●	●	●	●	●										✓			\$67,600	630
Computer Occupations, All Other Hot	●		○	○	●	●	●	●	●	●						○				✓			\$86,000	1,930
Computer Systems Analysts	●		○			●	●	●	●	●										✓			\$86,900	1,570
Computer User Support Specialists Hot			○	●	●	●	●	●	●	●										✓			\$50,600	2,200
Database Administrators			○	●	●	●	●	●	●	●										✓			\$87,800	380
Electrical & Electronics Engineering Techs			○	○			●	●	●	●	●	●	●			●				✓			\$63,100	360
Electrical Engineers			○				●	●	●	●	●	○	●			●				✓			\$83,800	350
Electronics Engineers, Exc Computer			○	○	○		●	●	●	●	●	●	●			●				✓			\$91,400	400
Engineers, All Other Hot	●	●	○	○	○	●	●	●	○	●	●	●	●			●				✓			\$89,300	400
Industrial Engineers Hot	●		○	○			●	●	●	●	●	●	●							✓			\$82,200	680
Information Security Analysts	●		○	●	●	●	●	●	○											✓			\$90,100	330
Life, Physical, & Social Science Technicians, All Other	●	●	○			●	●	●	●	●	○									✓			\$50,300	290
Mechanical Engineers Hot	●	○	○	●		●	●	●	●	●	●	●	●			●				✓			\$81,000	400
Medical Scientists, Exc Epidemiologists	●	●				●	●	●	●	●	●	●	●						✓				\$72,300	180
Network & Computer Systems Administrators	●					●	●	●	●	●										✓			\$82,900	770
Operations Research Analysts	●						●	●	●	○										✓			\$66,200	330
Sales Engineers			○	●	●	●	●	●	●	●										✓			\$94,400	270
Sales Reps, Wholesale & Mfg, Tech & Scientific Products	●		○	●	●	●	●	●	●	○										✓			\$72,600	1,050
Software Developers, Applications Hot			○	○	●	●	●	●	●	●										✓			\$100,400	2,980
Software Developers, Systems Software			○	○	○	●	●	●	●	●										✓			\$100,300	1,040
Statisticians						●	●	●	●	●									✓				\$88,500	130
Web Developers			○	○	○	●	●	●	●	●										✓			\$76,400	340
Health Occupations																								
Dental Hygienists Hot		○	○			●	●			●			○							✓			\$62,600	590
Diagnostic Medical Sonographers		○	●	●	●	●	●	●	●	●			○	○						✓			\$59,100	210
Dietitians & Nutritionists	●	●	●			●	●	●	●	●					○	●				✓			\$52,000	200
Emergency Medical Techs & Paramedics	●	●	●	○		●	●	●	●	●					○	●				✓			\$32,400	1,020
Health Specialties Teachers, Postsec Hot	●	●	●	○	●	●	●	●	●	●	●	●	●	●	○	●			✓				\$113,900	710
Health Technologists & Technicians, All Other	●	○	●		●	●	●	○	●	●	●	●	○							✓			\$44,800	330



<https://explorer.gdol.ga.gov/gsipub/index.asp?docid=356>

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

Knowledge Understanding of principles and facts of subject matter ● full knowledge required ○ some knowledge required Education Typical education needed to enter an occupation ††† Jobs have faster than state annual average job growth, above the state annual average wage, and have at least 400 annual openings.	Knowledge																	Education		Occupational Characteristics				
	Administration and Management	Biology/Chemistry	Design/Bldg and Construction	Clerical/Customer and Personal Svc.	Telecom/Communications and Media	Computers and Electronics	Economics and Accounting	Education and Training	Engineering and Technology	English Language	Law and Govt/Public Safety and Security	Mathematics	Mechanical/Production and Processing	Medicine and Dentistry	Personnel and Human Resources	Physics	Psychology/Sociology and Anthropology	Therapy/Counseling	Doctoral or Professional Degree	Master's Degree	Bachelor's Degree	HS Diploma/Assoc. Degree/Some College	2019 Edition - Georgia Wage Estimates	2018-28 Annual Openings
Health Occupations Continued																								
Internists, General	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	✓				\$106,100	130
Licensed Practical & Licensed Vocational Nurses	●	○	●				●			●	●	●	●				●	●				✓	\$39,700	2,250
Medical & Health Services Managers †††	●		●		●	●	●	●	●	●	●	●	●	●							✓		\$105,900	1,080
Med Records & Health Information Techs			●		●					●												✓	\$37,300	520
Nurse Practitioners †††		●	●	○	●		●		●	●	●	●	●				●	●	✓				\$101,800	660
Nursing Instructors & Teachers, Postsec	●	●	●	○	●		●		●	○	●	●					●	●	✓				\$68,200	160
Occupational Therapists		○	○				●			●			●				●	●	✓				\$78,300	290
Ophthalmic Medical Technicians			●		●		●		●				●									✓	\$33,500	200
Opticians, Dispensing	●		●						●		●	○										✓	\$34,700	200
Pharmacists †††	●	●	●		●				●	○	●	●	●			○	●	✓					\$113,200	630
Pharmacy Technicians			●						●		●	●	●									✓	\$28,900	1,360
Physical Therapists †††	●		●				●		●				●			○	●	✓					\$82,300	440
Physician Assistants †††		●	○		●		●		●		●	●	●			●	●	✓					\$98,400	410
Physicians & Surgeons, All Other †††	●	●	○		●	●	●	●	●	●	●	●	●	●	●	○	●	✓					\$224,200	570
Radiologic Technologists †††		○	●		●		●		●	○	●	●	●			●	○					✓	\$54,100	480
Registered Nurses †††		○	○		●		●		●		●	●	●			○	●					✓	\$65,800	6,340
Respiratory Therapists †††		●	○		●		●		●		●	●	●			○						✓	\$54,900	430
Speech-Language Pathologists			○				●		●				●			○	●	✓					\$74,100	360
Surgical Technologists			○				●		●				●									✓	\$42,700	480
Veterinarians	●	●	○						●		●	●	●					✓					\$87,000	190
Veterinary Technologists & Technicians		○	●						●		●	●	●									✓	\$30,200	430
Architecture Occupations																								
Architects, Exc Landscape & Naval	●		●	○		●	●	●	●	●	●	●	●	●	●						✓		\$98,400	300
Architectural & Civil Drafters			●	○		●		●	●	○	●											✓	\$54,600	320
Architectural & Engineering Managers †††	●		○	○		●		●	●	●	●	●	●	●	●							✓	\$134,700	410
Landscape Architects	●	○	●	●	○	●	●	●	●	●	●	●	●									✓	\$65,100	70
Social Science Occupations																								
Clinical, Counseling, & School Psychologists	●		●		●		●		●	●	●	●	●			●	●	✓					\$85,100	320
Economics Teachers, Postsec							●	●	●	●								✓					\$96,900	30
Political Science Teachers, Postsec	●		○	○		●		●	●	○						●		✓					\$97,000	30
Psychology Teachers, Postsec						●		●		●						●	●	✓					\$72,300	50
Social Science Research Assistants	●		●		●		●		●		●	●	●			●						✓	\$50,400	350
Social Scientists & Related Workers, All Other	●		○				●	●	○	●												✓	\$82,800	300
Urban & Regional Planners	●		○	○	○		●		●	●	●	●	●			○		✓					\$57,500	80

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<https://explorer.gdol.ga.gov/gsipub/index.asp?docid=356>

For more information, contact Workforce Statistics & Economic Research (WS&ER) at (404) 232-3875 or at workforce_info@gdol.ga.gov



ADDITIONAL OPPORTUNITIES

INDUSTRY CERTIFICATION, NON-TRADITIONAL AND RESOURCES

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, SMHS's Early Childhood Education Program is NAEYC nationally certified, and SMHS's Health Science Program is industry certified.

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*

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.



FAYETTE COUNTY

WORK BASED LEARNING

ADDITIONAL OPPORTUNITIES

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.

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

CONTACT INFORMATION

Melanie Duncan
 Coordinator, Work Based Learning & Youth Apprenticeship
 250 South Peachtree Parkway, Peachtree City, GA 30269
 770.716.1209
duncan.melanie@fcboe.org

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

SCHOOL KEY SYSTEM

Throughout this book, a school key system is used to indicate which programs, classes, and clubs are offered at each school.

- Fayette County High School
- McIntosh High School
- Sandy Creek High School
- Starr's Mill High School
- Whitewater High School

● ● ● 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 compete 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 nation 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.

ADDITIONAL OPPORTUNITIES

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

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.*

ADDITIONAL OPPORTUNITIES - CTSO

SCHOOL KEY SYSTEM

Throughout this book, a school key system is used to indicate which programs, classes, and clubs are offered at each school.

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- Starr's Mill High School
- Whitewater High School



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

Future Health Professionals

HOSA provides a unique program of leadership development, motivation, and recognition exclusively for secondary, postsecondary, middle school, adult, and collegiate students enrolled health science education and biomedical science programs or have interests in pursuing careers in health professions. HOSA is 100% health care!

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 includes 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.

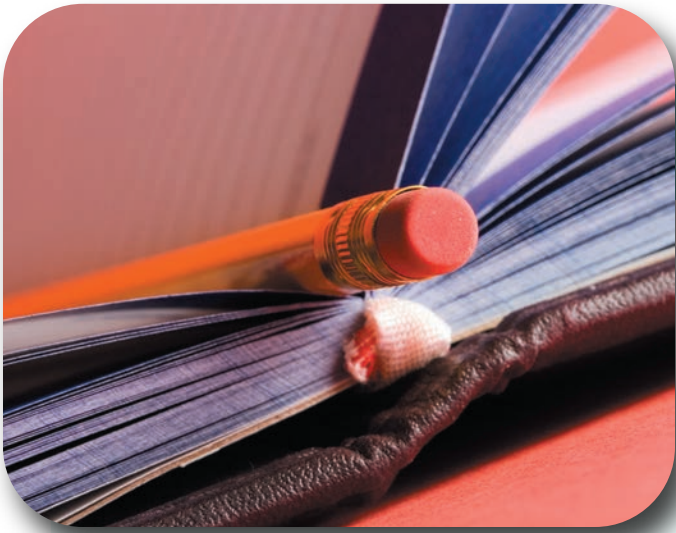


TSA

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 and Rising Starr Middle School.



CTE FOURTH SCIENCE OPTIONS



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.

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

* 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.



INFORMATION 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**



DUAL ENROLLMENT

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 courses
- 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. Not maintaining SAP will impact participating in the DE program.*

Required Steps for Fayette County

- *Completion of mandatory steps (located on the Student's Schoology) by the May 1st deadline.*

THESE ARE THE IMPORTANT STEPS TO FOLLOW ALONG WITH DEADLINES

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

Step 1: Dual Enrollment Presentation and Contract (ALL Students)

- *All students and parents MUST preview the dual enrollment presentation and sign the dual enrollment contract each year.*
- *Both students and parents must preview the Mandatory Information Presentation (face to face or virtual) and complete the Fayette County Dual Enrollment Contract and Advisement form.*

Deadline: March 31, 2023

(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*

DUAL ENROLLMENT

Step 2: Apply to the College (NEW Students to DE)

- Take the SAT/ACT or Accuplacer (if required or recommended for admission)
- Admissions requirements vary from college to college
- Know the admission's minimum age requirements
- Follow the admissions deadlines
- **Deadline: April 14, 2023**
- Applying to the college by April 14th should give students enough time to complete the final steps by May 1, 2023

Step 3: Upload the College Acceptance Notice (NEW Students to DE)

- Once student receives the college admission acceptance notice, then upload the notice using Step 3 on Schoology

Step 4: Complete Dual Enrollment Funding Application (ALL Students)

- Complete the online DE application on gafutures.org (it's the funding application NOT admission to the college)
- This application MUST be completed prior to the school counselor approval of requested dual enrollment courses

Step 5: Dual Enrollment Course Approval (ALL Students)

- All students MUST meet with their high school counselor to review dual enrollment course requests and receive course approval
- 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

Step 6: Dual Enrollment Course Registration (ALL Students)

- Once student receives the school counselor course approval, student must meet with the college (see college for details) to register for approved dual enrollment courses and receive a college schedule - Student will register for DE courses (only those approved by the school counselor) at the college

Step 7: Upload College Dual Enrollment Schedule (ALL Students)

- Once student receives the college dual enrollment schedule, then upload a copy of your final DE college schedule (must reflect those approved course) using Step 7 on Schoology
- **Deadline: May 1, 2023**

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 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)
 - from home school (start of 3rd block) to COI
 - students enrolled in a third block (2:30-3:45) class MUST provide their own transportation home
- Bus routes are based on student requests at the beginning of each semester. Route additions will NOT be made during the semester.



CAREER CLUSTERS

These are the 13 Career Clusters currently offered in the Fayette County School System.

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.

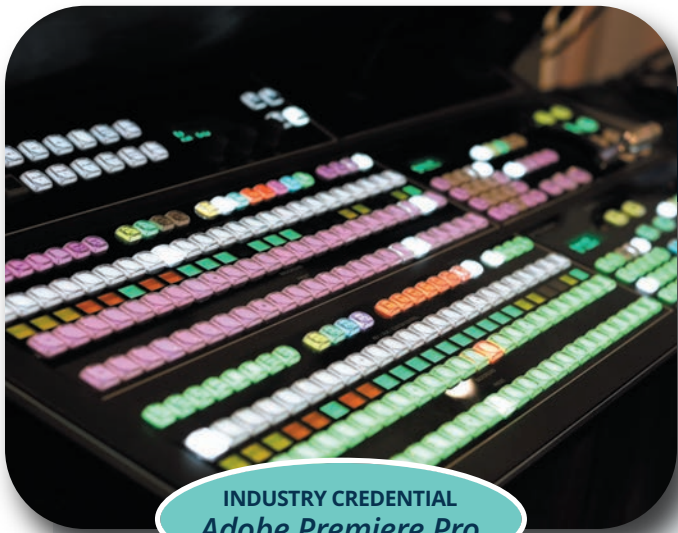
Selection of a pathway is based on self-awareness and the investigation of occupations plus related educational levels aligned with the pathway. Most in-demand, high-skilled, high-wage occupations in all sectors still require education and/or training beyond high school.

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.

CAREER PATHWAYS

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.



INDUSTRY CREDENTIAL
Adobe Premiere Pro

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS

AUDIO/VIDEO TECHNOLOGY AND FILM I AND II PATHWAYS

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 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

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIALS
 Technical Certificate of Credit
 Georgia Film Academy

Students will 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/production/post-production process and crew responsibility.

- 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

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIAL
Adobe Illustrator,
Photoshop, Animate

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 for additional information

BACHELOR'S DEGREE

- Animation School - Varying Certificates available
- Intern experience

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- SkillsUSA

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS

ANIMATION AND DIGITAL MEDIA PATHWAY

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



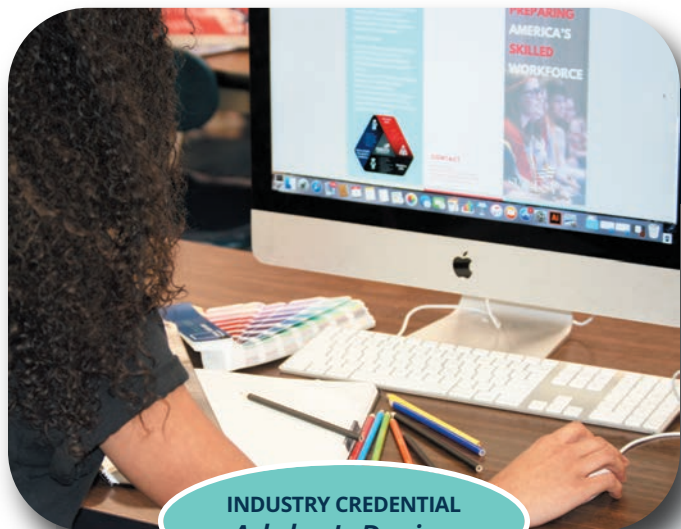
Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS

GRAPHIC COMMUNICATION PATHWAY



INDUSTRY CREDENTIAL
Adobe InDesign

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 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

ADDITIONAL CAREER CHOICES

Bindery and Finishing Technician

Customer Service Representative

Prepress Imaging Specialist

Press Operator

Screen Printing

Shipping and Distribution Manager



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles

https://www.bls.gov/oes/current/oes_stru.htm

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS

GRAPHIC DESIGN PATHWAY



INDUSTRY CREDENTIAL
Adobe Illustrator

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

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIAL
Microsoft Word, Excel and
PowerPoint

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

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- FBLA
- SkillsUSA

BUSINESS MANAGEMENT AND ADMINISTRATION

BUSINESS AND TECHNOLOGY PATHWAY

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



BUSINESS MANAGEMENT AND ADMINISTRATION

ENTREPRENEURSHIP PATHWAY

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

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

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- FBLA
- SkillsUSA



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles

https://www.bls.gov/oes/current/oes_stru.htm



EDUCATION AND TRAINING

EARLY CHILDHOOD CARE AND EDUCATION II PATHWAY

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

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles

https://www.bls.gov/oes/current/oes_stru.htm



EDUCATION AND TRAINING

TEACHING AS A PROFESSIONAL PATHWAY

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

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

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



FINANCE

FINANCIAL SERVICES PATHWAY

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

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles

https://www.bls.gov/oes/current/oes_stru.htm

GOVERNMENT AND PUBLIC ADMINISTRATION

JROTC AIR FORCE PATHWAY

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
Visual Information Equipment Operator

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



GOVERNMENT AND PUBLIC ADMINISTRATION

JROTC ARMY PATHWAY

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

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

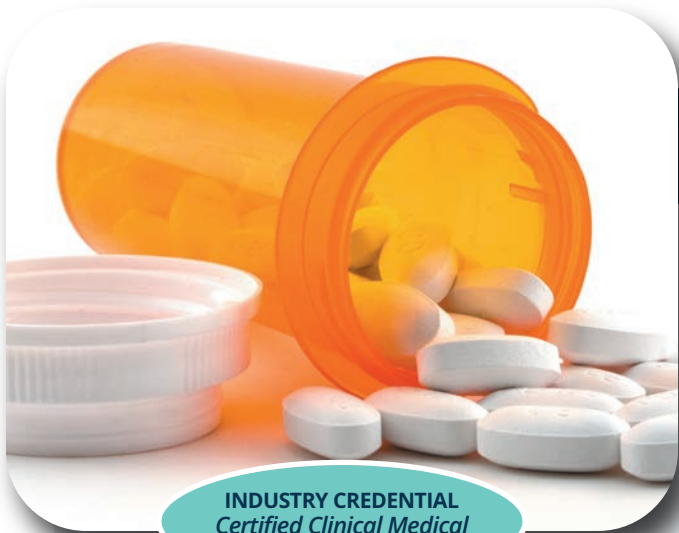
- Academic Team
- Color Guard
- Drill Team
- Raiders
- Rifle Team



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIAL
 Certified Clinical Medical Assistant

HEALTH SCIENCE

THERAPEUTIC SERVICES ALLIED HEALTH AND MEDICINE PATHWAY



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.GAFutures.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

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

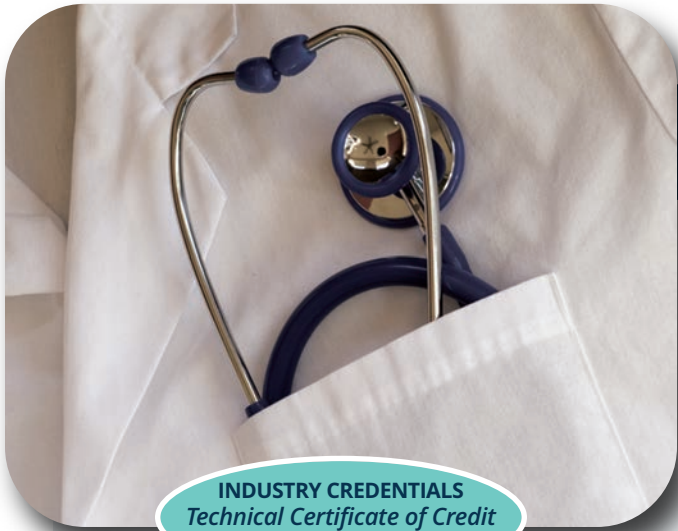
- Clinical Laboratory Technician
- Dental Hygienist
- EMT
- Medical Doctor
- Medical Laboratory Technician
- Orthopedic Technologist
- Paramedic
- Pharmacist
- Physical Therapist
- Radiologic Technologist
- Surgical Technologist
- Veterinarian



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIALS
 Technical Certificate of Credit
 Certified Nurse Assistant

HEALTH SCIENCE

THERAPEUTIC SERVICES PATIENT CARE PATHWAY

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

TOP CAREER CHOICES

- Physician Assistant**
\$101,460 annual salary
- Nurse Practitioner**
\$105,670 annual salary
- Occupational Therapist**
\$85,310 annual salary
- Registered Nurse**
\$69,590 annual salary

ADDITIONAL CAREER CHOICES

- Certified Nursing Assistant
- Dental Assisting
- Licensed Practical Nurse
- Medical Assisting
- Occupational Therapy Assistant
- Physical Therapy Assistant
- Respiratory Therapist
- Surgical Technologist

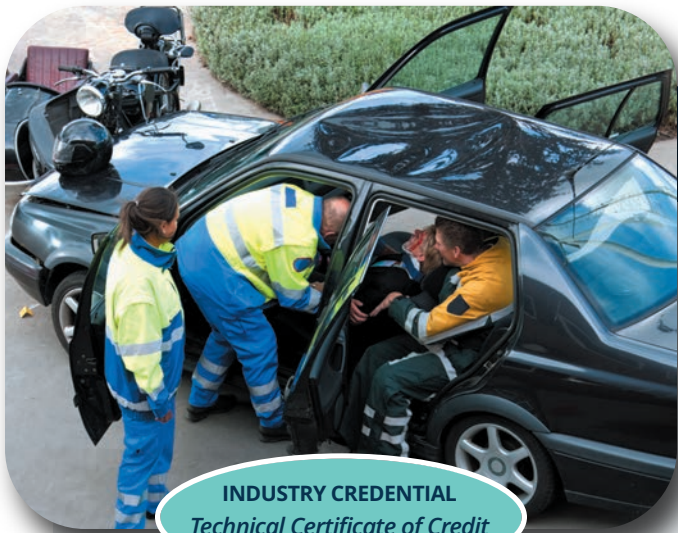
NOTE: Students enrolled in this program are required to provide proof of vaccination, including the COVID-19 vaccination, prior to attending required off site clinical rotations. This is a regulation of the clinical facility and not that of Southern Crescent Technical College.



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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INDUSTRY CREDENTIAL
Technical Certificate of Credit

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

HEALTH SCIENCE

**THERAPEUTIC SERVICES
 EMR PATHWAY**

TOP CAREER CHOICES

EMT/Paramedic
 \$34,450 annual salary

Fire Fighter
 \$38,900 annual salary

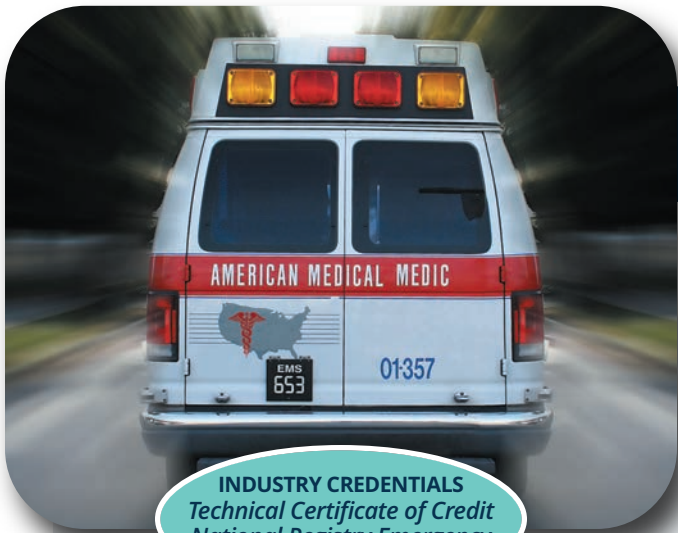
Licensed Practical Nurse
 \$42,570 annual salary

Registered Nurse
 \$69,590 annual salary

ADDITIONAL CAREER CHOICES

- Emergency Nurse
- EMT and Paramedic
- Firefighter
- Paramedic Technologist





INDUSTRY CREDENTIALS
 Technical Certificate of Credit
 National Registry Emergency
 Medical Technician

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 18 th 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 SCTC (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

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

NOTE: Students enrolled in this program are required to provide proof of vaccination, including the COVID-19 vaccination, prior to attending required off site clinical rotations. This is a regulation of the clinical facility and not that of Southern Crescent Technical College.



GADOE Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles
https://www.bls.gov/oes/current/oes_stru.htm



INDUSTRY CREDENTIALS
 Technical Certificate of Credit
 Phlebotomy Technician

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)
 - 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

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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HOSPITALITY AND TOURISM



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

SPORTS AND ENTERTAINMENT MARKETING PATHWAY

TOP CAREER CHOICES

Marketing Manager
\$94,307 annual salary

Marketing Research Analyst
\$61,464 annual salary

Public Relations Specialist
\$48,672 annual salary

Recreation Worker
\$21,570 annual salary

ADDITIONAL CAREER CHOICES

Advertising Account Executive
Agent
Brand Manager
Cashier
Communications Specialist
Customer Service Representative
Demonstrator and Product Promoter
Desktop Publisher
Entertainment Marketer
Entrepreneur
Fashion Retailer
Market Research Analyst
Marketing Specialist
Media Buyer
Product Development Management
Public Relations Specialist
Purchaser
Retail Buyer
Retail Salesperson
Sales
Sales Representative
Sign Maker
Sports Marketer
Website Designer
Web Developer
Webmaster



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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HUMAN SERVICES

NUTRITION AND FOOD SCIENCE PATHWAY

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.GAFutures.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

TOP CAREER CHOICES

Chef and Head Cook

\$52,950 annual salary

Dietician/Nutritionist

\$50,580 annual salary

Dietetic Technitian

\$27,510 annual salary

Exercise Physiologist

\$50,250 annual salary

Athletic Trainer

\$52,500 annual salary

ADDITIONAL CAREER CHOICES

Agricultural Engineer

Biochemist

Chemical Technician

Consumer Representative

Dietetic Technician

Family and Consumer Science Teacher

Flavorist

Food Inspector and Service Manager

Geriatric Food Designer

Health Educator and Inspector

Microbiologist

Product Evaluation Scientist

Research and Development Specialist

Sensory Scientist

Teacher Educator

Technical Writer

Toxicologist



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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INFORMATION TECHNOLOGY

COMPUTER SCIENCE
PATHWAY

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

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

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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INFORMATION TECHNOLOGY

PROGRAMMING
PATHWAY

INDUSTRY CREDENTIAL
Microsoft Technology Associate
 HTML5 Application Developer
 Fundamentals

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

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- FBLA
- SkillsUSA
- TSA

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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

FORENSIC SCIENCE PATHWAY

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

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

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https://www.bls.gov/oes/current/oes_stru.htm



MARKETING

MARKETING AND MANAGEMENT PATHWAY

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
 Communications Specialist
 Creative Director
 Customer Service Representative
 Demonstrator and Product Promoter
 Entrepreneur
 Fashion Retailer
 Funeral Director
 Insurance Agent
 Interior Designer
 Logistics Specialist
 Market Research Analyst
 Media Buyer
 Product Development Management
 Public Relations Specialist
 Purchaser
 Real Estate Agent
 Retail Buyer and Salesperson
 Sales Representative
 Sports Marketer
 Travel Agent

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 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



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

US Bureau of Labor Statistics, May 2019 Occupation Profiles

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MARKETING

MARKETING COMMUNICATIONS AND PROMOTIONS PATHWAY

FULL PATHWAY AVAILABLE 2024-2025!!

Keen competition should be expected in these highly coveted jobs. Those working in the marketing communications and promotion field coordinate market research, market strategies, sales, advertising, promotion, pricing, product development and public relations activities. Job opportunities available in this field include advertising managers, account executives, creative directors, media directors, promotions managers, marketing managers, product development managers, market research managers, public relations managers and sales managers. College graduates with related experience, a high level of creativity and strong communication skills will have the best job opportunities. Technology is changing the way we communicate and promote goods and services with potential customers. As a result, the more computer related skills one can accumulate, the better his/her employment opportunities in this industry.

PATHWAY COURSES

1. Marketing Principles
2. Promotion and Digital Marketing
3. Integrated Marketing Communications

RECOMMENDED COURSES

- Any Business and Computer Science Course
- Entrepreneurship
- Marketing Management
- Work-Based Learning
- World Language

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

See www.GAFutures.org for additional information

TECHNICAL COLLEGES

- Business Administration
- Project Management

COLLEGES/UNIVERSITIES

- Accounting
- Advertising
- Business Economics
- Communication
- Graphic Arts
- International Business
- Management
- Marketing
- Professional Sales

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- DECA

TOP CAREERS CHOICES

Advertising and Promotions Manager

Bachelor Degree needed
\$102,602 annual salary
71 annual average openings in Georgia

Public Relations Specialists

Bachelor Degree needed
\$57,399 annual salary
112 annual average openings in Georgia

Market Research Analysts

Bachelor Degree needed
\$66,503 annual salary
519 annual average openings in Georgia

ADDITIONAL CAREER CHOICES

Advertising and Promotion Managers Search

Business Teachers/Post-Secondary

Green Marketers

Marketing Managers

Marketing Strategists

Public Relations Specialists Advertising

Sales Agents/Sales Managers

Sales Representatives

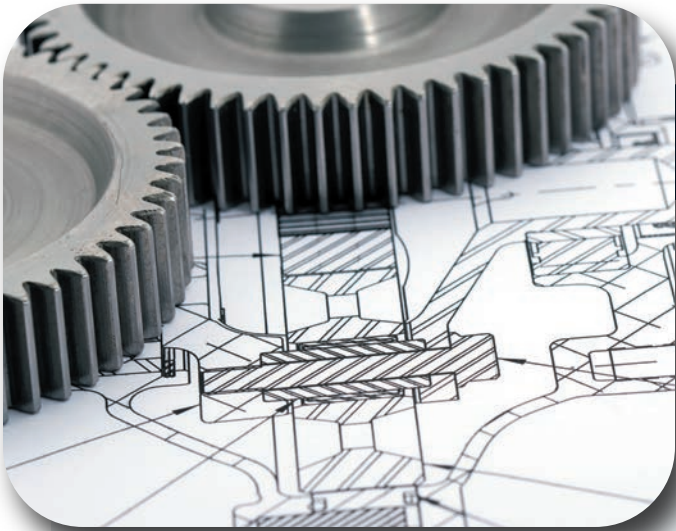


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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS



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

ADDITIONAL COURSE OFFERING not needed for Pathway completion

- Research/Design/Project Management (FCHS/MHS)

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

ENGINEERING AND TECHNOLOGY PATHWAY

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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TRANSPORTATION, DISTRIBUTION AND LOGISTICS

AEROSPACE FLIGHT OPERATIONS PATHWAY

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

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



Source: GADOE Plans of Study

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TRANSPORTATION, DISTRIBUTION AND LOGISTICS



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.

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

UNMANNED AIRCRAFT SYSTEMS PATHWAY

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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TRANSPORTATION, DISTRIBUTION AND LOGISTICS



INDUSTRY CREDENTIAL
*Automotive Service
Excellence (ASE)*

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 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)



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Fayette County Public Schools

Career and Technical Education
440 Hood Avenue, Fayetteville, GA 30214
www.FCBOE.org

