



2020-2021 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
Dr. Dan Lane, Principal
770.631.3232
<http://www.fcboe.org/mhs>

SANDY CREEK HIGH SCHOOL

360 Jenkins Road
Tyrone, GA 30290
Mr. Richard Smith, 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
<http://www.starrsmillhighschool.org>

WHITEWATER HIGH SCHOOL

100 Wildcat Way
Fayetteville, GA 30215
Mr. Steven Cole, Principal
770.460.3935
<http://www.whswildcats.org>





NOTICE OF NON-DISCRIMINATION

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

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:

Lisa Collins
 Director of Career and Technical Education
 440 Hood Avenue, Fayetteville, GA 30214
 770.716.1209 ext. 230
 collins.lisa@mail.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 Mike Sanders
 Assistant Superintendent of Operations
 Fayette County Public Schools
 205 LaFayette Avenue
 Fayetteville, GA 30214
 770.460.3990

DISCLAIMER: The information contained within this book is as accurate as possible at the time of publication. Classes offered at each high school can change due to scheduling and allotment conflicts.



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 prepare them for choosing a high school career pathway that interests them.

MIDDLE SCHOOL PERFORMANCE STANDARDS

APPROVED CAREER, TECHNICAL AND AGRICULTURAL EDUCATION EXPLORATORY PROGRAMS

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)

COURSE NAME	Bennett's Mill	Flat Rock	JC Booth	Rising Starr	Whitewater
Business Management and Finance	X	X	X		X
Career Development		X		X	
Communications	X	X	X	X	
Computer Literacy				X	
Computer Science Courses	X				
Engineering and Technology	X	X	X	X	X
Family and Consumer Science			X	X	X

Georgia's HOT Careers to 2026

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.

- Critical Thinking/Problem Solving
- Judgement & Decision Making
- Service Oriented/Instructing
- Listening/Reading
- Oral Expression/Comprehension
- Deventy/Arm-Hand Steadiness
- Reasoning
- Written Expression/Comprehension
- Assisting & Caring for Others
- Coaching/Training & Teaching Others
- Communicating Outside Organization
- Control Machines/Inspect Others
- Interacting With Computers
- Monitor Processes, Materials, Surroundings
- Physical Acts/Handle-Move Objects
- Process/Analyze Data or Information
- Schedule/Organiz. Plan, & Prioritize Wk
- Thinking Creatively
- 2017 Edition - Georgia Wage Survey
- 2016-26 Annual Openings

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

Bachelor's degree continued														
Logisticians	●	●	●	●	●	●	●	●	●	●	●	●	\$73,400	580
Management Analysts	●	●	●	●	●	●	●	●	●	●	●	●	\$96,900	2,650
Market Research Analysts & Marketing Spec	●	●	●	○	●	●	●	●	●	●	●	●	\$64,200	2,500
Marketing Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$138,600	730
Mechanical Engineers	●	●	○	●	●	●	○	○	●	●	●	●	\$83,700	430
Medical & Health Services Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$109,100	840
Middle Schl Teachers, Exc Spec & Career/Tech Ed	●	●	●	●	●	●	●	●	●	●	●	●	\$57,100	2,420
Personal Financial Advisors	○	●	●	●	●	○	●	●	●	●	●	●	\$124,000	680
Producers & Directors	●	●	●	●	●	●	●	●	●	●	●	●	\$77,000	550
Public Relations Specialists	●	●	●	●	●	●	●	●	●	●	●	●	\$58,200	620
Registered Nurses	●	●	●	●	●	●	●	●	○	●	●	●	\$65,600	5,410
Sales Managers	●	●	●	●	●	●	●	●	●	●	●	●	\$130,800	1,580
Secondary Schl Teachers, Exc Spec & Career/Tech Ed	●	●	●	●	●	●	●	●	●	●	●	●	\$57,100	2,220
Software Developers, Applications	●	●	●	●	●	●	○	●	●	●	●	○	\$103,000	2,300
Training & Development Specialists	●	●	●	●	●	●	●	●	●	●	●	●	\$62,300	1,120
Associate's degree														
Dental Hygienists	○	●	●	●	●	●	●	○	●	●	●	○	\$66,100	540
Paralegals & Legal Assistants	○	●	○	●	●	●	●	●	●	●	●	●	\$53,600	1,060
Postsecondary non-degree award														
Aircraft Mechanics & Service Technicians	●	●	○	●	●	●	●	●	●	●	●	●	\$70,000	800
Some college, no degree														
Computer User Support Specialists	●	●	●	●	○	●	●	○	○	●	●	○	\$54,200	1,930
High school diploma or equivalent														
Automotive Body & Related Repairers	○	●	○	●	●	●	●	○	●	●	●	●	\$51,500	620
Electrical Power-Line Installers & Repairers	●	●	●	●	●	●	●	●	●	●	○	●	\$51,000	630
Supvrs of Construction Trades & Extraction Workers	●	●	○	●	●	●	○	●	●	●	●	●	\$62,400	1,590
Supvrs of Helpers, Laborers, & Material Movers, Hand	●	●	○	●	●	●	●	●	●	●	●	●	\$51,600	1,010
Supvrs of Mechanics, Installers, & Repairers	●	●	●	●	●	●	●	●	●	●	●	●	\$63,500	1,460
Insurance Sales Agents	●	●	○	●	●	●	●	●	●	●	●	●	\$67,800	1,630
Production, Planning, & Expediting Clerks	●	●	●	●	●	●	○	○	●	●	●	●	\$48,900	1,290
Property, Real Estate, & Community Assoc Mgrs	●	●	○	●	●	●	●	○	●	●	●	●	\$86,700	700
Sales Reps, Services, All Other	●	●	●	●	●	●	○	●	●	●	●	●	\$58,800	4,050
Sales Reps, Wholesale & Mfg, Exc Tech & Scientific Products	○	●	○	●	●	●	●	●	●	●	●	●	\$63,600	6,590

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GEORGIA'S STEM Careers to 2026

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	2017 Edition - Georgia Wage Survey	2016-26 Annual Openings
Life and Physical Science, Engineering, Mathematics, and Information Technology Occupations																								
Aerospace Engineers			○			●		●	●		●	●									✓		\$112,400	240
Civil Engineering Technicians			●			●		●	●	○	●										✓		\$47,800	190
Civil Engineers Hot	●		○		●	●		●	●	○	●			●	●						✓		\$90,200	880
Computer & Information Systems Managers Hot	●		○				●	●	●		●			●							✓		\$138,800	1,040
Computer Network Architects			○	○	○	●		●	●		●										✓		\$117,200	350
Computer Network Support Specialists	●		○	●	●	●		●	●		●										✓		\$73,100	580
Computer Occupations, All Other Hot	●		○	○	●	●	●	●	●		●						○				✓		\$88,200	920
Computer Systems Analysts	●		○		●	●		●	●		●										✓		\$93,500	1,150
Computer User Support Specialists Hot			○	●	●	●		●	●		●										✓		\$54,200	1,930
Database Administrators			○	●	●	●		●	●		●										✓		\$89,600	350
Electrical & Electronics Engineering Techs			○	○				●	●		●		●			●					✓		\$60,200	360
Electrical Engineers			○					●	●		●		○		●						✓		\$90,400	340
Electronics Engineers, Exc Computer			○	○	○	●		●	●		●		●		●						✓		\$93,700	400
Engineers, All Other	●	●	○	○	○	●	●	●	●	○	●		●		●						✓		\$92,100	230
Environmental Engineers	●	●	○	○			●	●	●	●	●		○		●						✓		\$68,200	140
Industrial Engineers Hot	●		○	○			●	●	●		●		●								✓		\$82,800	580
Information Security Analysts	●		○	●	●	●		●	●	○											✓		\$91,000	210
Mechanical Engineers Hot	●	○	○	●		●	●	●	●		●		●		●						✓		\$83,700	430
Medical Scientists, Exc Epidemiologists	●	●				●		●	●		●		●	●				✓					\$64,000	150
Network & Computer Systems Administrators	●							●	●		●										✓		\$88,200	750
Operations Research Analysts	●					●		●	●		●		○								✓		\$64,300	240
Sales Reps, Wholesale & Mfg, Tech & Scientific Products	●		○		●	●		●	●		●		○								✓		\$88,000	1,040
Software Developers, Applications Hot			○	○		●		●	●		●										✓		\$103,000	2,300
Software Developers, Systems Software			○	○	○	●		●	●		●										✓		\$98,600	970
Statisticians						●		●	●		●								✓				\$87,200	100
Surveying & Mapping Technicians			●	○		●		●	●		●										✓		\$41,100	240
Web Developers			○	○	○	●		●	●		●										✓		\$78,200	350
Health Occupations																								
Dental Hygienists Hot		○	○					●	●				●			○					✓		\$66,100	540
Dentists, General	●	○	○				●	●					●	●	○			✓					\$176,100	160
Diagnostic Medical Sonographers		○	●		●	●		●	●		●			○	○						✓		\$63,400	140
Emergency Medical Techs & Paramedics	●	●	●	○				●	●	●	●		●			○	●				✓		\$33,400	780
Family & General Practitioners		●	○					●	●		●					○	●	✓					\$213,800	180
Health Diagnosing & Treating Practitioners, All Other	●	●	●					●	●				●			●	●	✓					\$103,500	190

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



Georgia Department of Labor • Mark Butler, Commissioner
Equal Opportunity Employer/Program • Auxiliary Aids and Services Available upon Request to Individuals with Disabilities

GEORGIA'S STEM Careers to 2026

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/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	2017 Edition - Georgia Wage Survey	2016-26 Annual Openings
Health Occupations Continued																								
Health Technologists & Technicians, All Other	●	○		●		●	●	●	●	○	●	●	●	●	●	○						✓	\$42,200	340
Internists, General	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	✓					\$255,200	90
Licensed Practical & Licensed Vocational Nurses	●	○	●			●	●	●	●	●	●	●	●	●	●	●	●					✓	\$40,700	2,250
Med & Clinical Laboratory Technicians		●	●			●	●	●	●	○	●	●	●	●	●	●	●					✓	\$36,700	430
Med & Clinical Laboratory Technologists		●	●			●	●	●	●	●	○	●	●	●	●	●	●					✓	\$58,600	370
Med Records & Health Information Techs			●	●		●	●	●	●	●	●	●	●	●	●	●	●					✓	\$38,900	450
Nurse Practitioners Hot		●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	✓					\$101,900	420
Nursing Instructors & Teachers, Postsec	●	●	●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	✓					\$65,400	110
Occupational Therapists		○	○			●	●	●	●	●	●	●	●	●	●	●	●	✓					\$83,100	240
Pharmacists	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	○	●	✓					\$117,600	510
Pharmacy Technicians			●			●	●	●	●	●	●	●	●	●	●	●	●					✓	\$29,400	1,170
Physical Therapists Hot	●		●			●	●	●	●	●	●	●	●	●	●	○	●	✓					\$86,800	410
Physician Assistants Hot		●	○		●	●	●	●	●	●	●	●	●	●	●	●	●	✓					\$100,800	400
Physicians & Surgeons, All Other Hot	●	●	○		●	●	●	●	●	●	●	●	●	●	●	○	●	✓					\$224,200	440
Radiologic Technologists		○	●	●	●	●	●	●	●	○	●	●	●	●	●	○	●					✓	\$52,600	360
Registered Nurses Hot		○	○	●	●	●	●	●	●	●	●	●	●	●	●	○	●					✓	\$65,600	5,410
Respiratory Therapists		●	○	●	●	●	●	●	●	●	●	●	●	●	●	○	●					✓	\$55,200	310
Speech-Language Pathologists			○			●	●	●	●	●	●	●	●	●	●	○	●	✓					\$74,100	260
Surgical Technologists			○			●	●	●	●	●	●	●	●	●	●	●	●					✓	\$41,900	350
Veterinarians	●	●	○			●	●	●	●	●	●	●	●	●	●	●	●	✓					\$86,900	120
Veterinary Technologists & Technicians		○	●			●	●	●	●	●	●	●	●	●	●	●	●					✓	\$31,000	310
Architecture Occupations																								
Architects, Exc Landscape & Naval	●		○		●	●	●	●	●	●	●	●	●	●	●	●	●					✓	\$98,300	250
Architectural & Civil Drafters			○		●	●	●	●	○	●	●	●	●	●	●	●	●					✓	\$53,800	300
Architectural & Engineering Managers	●		○	○	●	●	●	●	●	●	●	●	●	●	●	●	●					✓	\$138,100	370
Landscape Architects	●	○	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●					✓	\$71,400	90
Social Science Occupations																								
Clinical, Counseling, & School Psychologists	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	✓					\$83,400	230
Economists					●	●	●	●	●	●	●	●	●	●	●	●	●					✓	\$105,100	30
Political Science Teachers, Postsec	●		○	○	●	●	●	●	○	●	●	●	●	●	●	●	●	✓					\$76,400	40
Psychology Teachers, Postsec					●	●	●	●	●	●	●	●	●	●	●	●	●	✓					\$68,700	70
Social Science Research Assistants	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					✓	\$46,400	100
Social Scientists & Related Workers, All Other	●	●	○			●	●	○	●	●	●	●	●	●	●	●	●					✓	\$68,000	130
Urban & Regional Planners	●		○	○	○	●	●	●	●	●	●	●	●	●	●	○	●	✓					\$56,800	50

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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, MHS's Graphic Arts Program is PrintED certified, SMHS's Early Childhood Education Program is NAEYC nationally certified and SMHS's Health Science Program is expected to be industry certified in the Spring of 2020.

NON-TRADITIONAL OCCUPATIONS

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

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

CAREER PLANNING RESOURCES

www.GeorgiaCRN.org

Georgia Career Resource Network is a web site designed to assist counselors, instructors, and administrators with career-related programs, initiatives, and information.

www.GAfutures.org

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

www.careervoyages.gov

Career Voyage is a national web-site for emerging industries and high demand occupations.

www.bls.gov/oco/

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.



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

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.

- Fayette County High School
- McIntosh High School
- Sandy Creek High School
- 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

Health Occupations Students of America

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

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



SKILLSUSA

Students Taking Action with Recognition

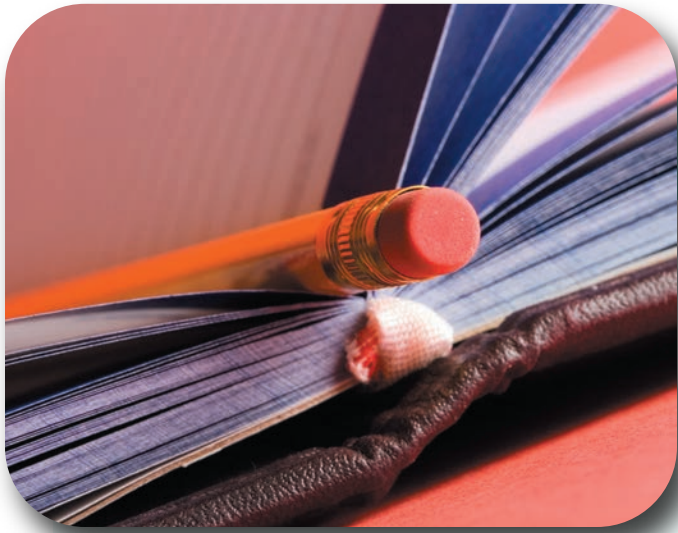
Georgia SkillsUSA members participate in local, state, and national activities provided through trade and industrial, technical, and health occupations courses and programs. This include drama, communication, broadcasting and graphic arts students. The mission of SkillsUSA is to develop leadership skills and workplace competencies that students will need to success 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.



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
* Computer Science Principles	X	X	X	X
* Embedded Computing	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
* Web Development	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 Program (formerly known as Move On When Ready or MOWR) 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 attend one of the Dual Enrollment Mandatory Information sessions each year. These sessions serve as the advisement conference which is required by the 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**

CENTER OF INNOVATION (COI)

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

COI Bus Transportation

- Students enrolled in a first block (8:00/8:45-10:00) class MUST provide their own transportation to the COI.
- Bus transportation is only provided at the following times:
 - from COI at 10 am (end of 1st block) to home school
 - to and from the home school and the COI for the 12:15-1:30 (2nd block) and 2:30-3:45 (3rd block).
 - Students are taken home from the COI after the 3rd block.
- Bus routes are based on student requests at the beginning of each semester. Route additions will NOT be made during the semester.

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 9th -12th grade. These are the important steps to follow:

1. Must attend a Mandatory Dual Enrollment Information session designated for the school year in which the student plans to participate in the Dual Enrollment program.
 - Both student and parent (guardian) must attend **EACH** year the student plans to participate
 - To review/update requirements and procedures
2. Apply for admission into the college
 - Admissions requirements vary from college to college
 - Take the ACT/SAT or Accuplacer (if required by college)
 - Know the admission's minimum age requirements
 - Follow the admissions deadlines
 - Apply early to ensure meeting Fayette County's May 1st deadline
3. Receive acceptance notice into college
4. Complete the online DE application on gafutures.org (it's the funding application NOT admission to the college)
5. Schedule a meeting with School Counselor once college acceptance is received and funding application is complete
 - At this meeting,
 - Return signed Fayette County School District Dual Enrollment Contract and Advisement form with a copy of your college acceptance notice
 - School counselor will discuss/approve DE courses options
6. Register for DE courses (only those approved by the school counselor) at the college
7. Provide the school counselor with a copy of your final DE college schedule (must reflect those approved course)

IMPORTANT CONSIDERATIONS

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.

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.



DEADLINE: May 1, 2020





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 concentrator is defined as a student who takes at least three CTE courses in a specific program area during their high school career.

PATHWAY COMPLETER: A pathway completer is a concentrator who completes the requirements for the Georgia Milestones Assessment System and also completes the requirements for CTE pathway concentrators.

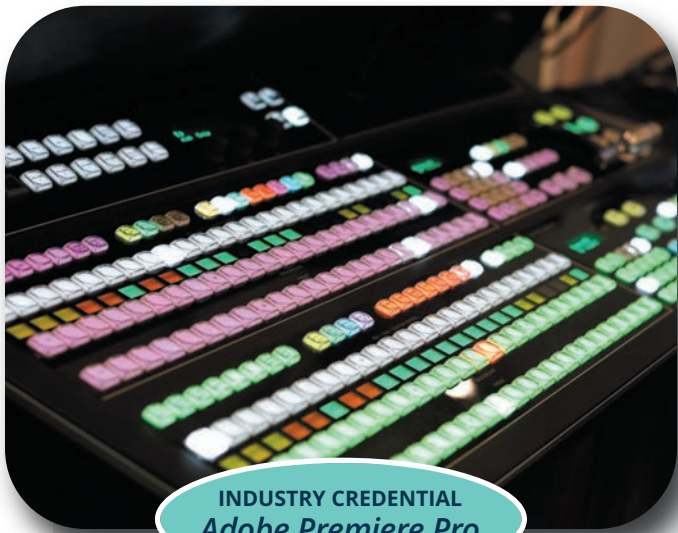
Selection of a pathway is based on self-awareness and the investigation of occupations plus related educational levels aligned with the pathway. Most high-demand, high-skilled, high-wage occupations in all concentrations still require education beyond high school.

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

Some College
\$37,000 annual salary
80 annual average openings in Georgia

Camera Operators, Television, Video and Motion Picture Graphic Designers

Bachelor Degree needed
\$47,300 annual salary
30 annual average openings in Georgia

Film and Video Editors

Bachelor Degree needed
\$45,600 annual salary
10 annual average openings in Georgia

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>



INDUSTRY CREDENTIAL
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.

- 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 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>



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)
 2017 Wage: \$59,600

Composing Artist
 2017 Wage: \$65,000

Multimedia Artist and Animators
 2017 Wage: \$51,800

Forensic Animator
 2017 Wage: \$20-\$100 per hour
 depending on experience

Mathematical Modeler
 2017 Wage: \$80,000

Storyboard Artist
 2017 Wage: \$55,000

3D Medical Animator
 2017 Wage: \$60,000

3D Modeler
 2017 Wage: \$75,000

ADDITIONAL CAREER CHOICES

Animation Producers
 Artistic Director
 Graphic Designer
 Film and Video Editors
 3D Animator
 TV Director
 TV Producer

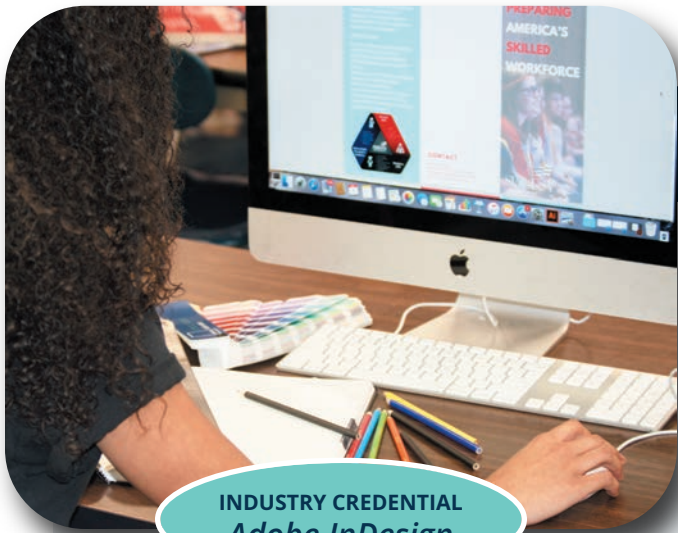


Source: GADOE Plans of Study

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

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

Prepress Technicians and Workers

Post-Secondary Vocational Award needed
\$35,443 annual salary
40 annual average openings in Georgia

Printing Machine Operators

Moderate On-the-Job Training needed
\$33,509 annual salary
220 annual average openings in Georgia

Public Relations Specialist

Bachelor Degree needed
\$48,672 annual salary
120 annual average openings in Georgia

ADDITIONAL CAREER CHOICES

Bindery and Finishing Technician

Customer Service Representative

Graphic Designer

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>

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

Art Director

College Degree needed, plus
5-7 years experience
\$57,000 annual salary

Creative Designer

College Degree needed, plus
10+ years experience
\$87,000 annual salary

Junior Designer

College Degree needed
\$31,000 annual salary

Senior Designer

College Degree needed, plus
3 years experience
\$35,000 annual salary

ADDITIONAL CAREER CHOICES

Advertising

Fashion Design

Illustration

Marketing

Multimedia

Photography

3D Animation

Web Design



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

Administrative Services Manager

Bachelor Degree needed
 \$68,016 annual salary
 420 annual average openings in Georgia

Executive Secretary and Administrative Assistant

Moderate On-the-Job Training needed
 \$37,378 annual salary
 1,620 annual average openings in Georgia

Legal Secretary

Post-Secondary Vocational Award needed
 \$36,338 annual salary
 270 annual average openings in Georgia

Medical Transcriptionist

Post-Secondary Vocational Award needed
 \$30,514 annual salary
 130 annual average openings in Georgia

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>



BUSINESS MANAGEMENT AND ADMINISTRATION

ENTREPRENEURSHIP PATHWAY

TOP CAREER CHOICES

Advertising and Promotion Manager

Bachelor Degree needed
\$76,898 annual salary
60 annual average openings in Georgia

Chief Executive

Bachelor Degree plus work experience needed
\$155,168 annual salary
850 annual average openings in Georgia

Employment, Recruitment, and Placement Specialist

Bachelor Degree needed
\$50,877 annual salary
440 annual average openings in Georgia

Social and Community Service Manager

Bachelor Degree needed
\$59,904 annual salary
100 annual average openings in Georgia

Training and Development Manager

Bachelor Degree needed
\$79,498 annual salary
60 annual average openings in Georgia

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
Personal Financial Advisor
Sales Manager
Tax Prepare

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>



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

Bachelor Degree needed
\$46,888 annual salary
2,590 annual average openings in Georgia

Kindergarten Teacher

Bachelor Degree needed
\$45,969 annual salary
330 annual average openings in Georgia

Preschool Teacher

Post-Secondary Vocational Training needed
\$24,419 annual salary
500 annual average openings in Georgia

Special Education Teacher

Preschool, Kindergarten or Elementary

Bachelor Degree needed
\$46,358 annual salary
450 annual average openings in Georgia

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>



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

Bachelor Degree needed
\$46,891 annual salary
230 annual average openings in Georgia

Post-Secondary Education Administrator

Bachelor Degree plus work experience needed
\$81,328 annual salary
160 annual average openings in Georgia

Post-Secondary Vocational Education Teacher

Bachelor Degree plus work experience needed
\$45,386 annual salary
370 annual average openings in Georgia

Secondary School Teacher

Bachelor Degree needed
\$49,956 annual salary
1,360 annual average openings in Georgia

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>



FINANCE

FINANCIAL SERVICES PATHWAY

TOP CAREER CHOICES

Auditor

Bachelor Degree needed
\$73,910 annual salary

Insurance Sales Agent

1-2 years Post-Secondary training needed
\$62,790 annual salary

Claims Adjuster

Post-Secondary training plus
on-the-job training needed
\$63,220 annual salary

Accountant

Bachelor Degree needed
\$73,910 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>



GOVERNMENT AND PUBLIC ADMINISTRATION

JROTC AIR FORCE PATHWAY

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.

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



Source: GADOE Plans of Study

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



GOVERNMENT AND PUBLIC ADMINISTRATION

JROTC ARMY PATHWAY

The program's focus is reflected in its mission statement, "To Motivate Young People to be Better Citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. Army JROTC is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation.

PATHWAY COURSES

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

RECOMMENDED COURSES

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

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

See www.GAFutures.org for additional information

- ROTC (Scholarships Available)
- Academy Appointments
- Armed Forces (Advanced Placement Enlistment Opportunities) Army, Air Force, Marines, Navy, Coast Guard
- Active Reserve and National Guard options available

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

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

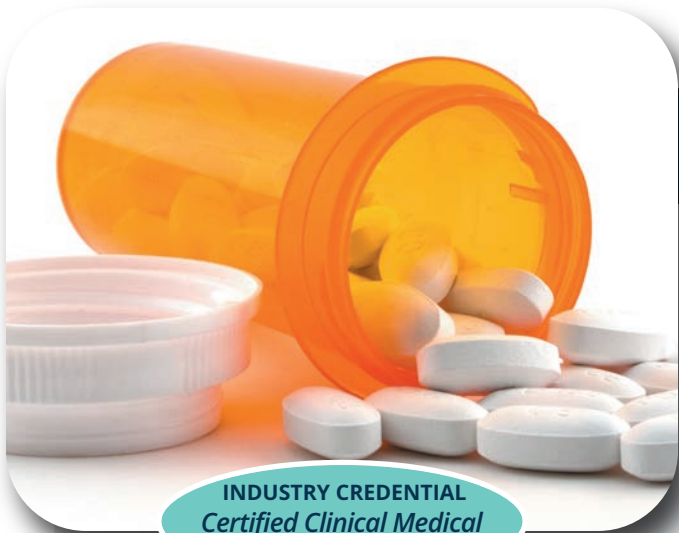
TOP CAREER CHOICES

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

ADDITIONAL CAREER CHOICES

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





INDUSTRY CREDENTIAL
Certified Clinical Medical Assistant

HEALTH SCIENCE

THERAPEUTIC SERVICES ALLIED HEALTH AND MEDICINE PATHWAY

TOP CAREER CHOICES

Dental Hygienist
 Associate Degree needed
 \$55,390 annual salary
 280 annual average openings in Georgia

Medical and Clinical Laboratory Technician
 Associate Degree needed
 \$30,846 annual salary
 250 annual average openings in Georgia

Pediatrician
 First Professional needed
 \$139,298 annual salary
 70 annual average openings in Georgia

Physical Therapist
 Master Degree needed
 \$65,042 annual salary
 120 annual average openings in Georgia

Surgical Technologist
 Post-Secondary Vocational Training needed
 \$32,157 annual salary
 140 annual average openings in Georgia

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

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).

PATHWAY COURSES

1. Introduction to Healthcare Science
2. Essentials of Healthcare
3. Allied Health and Medicine

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

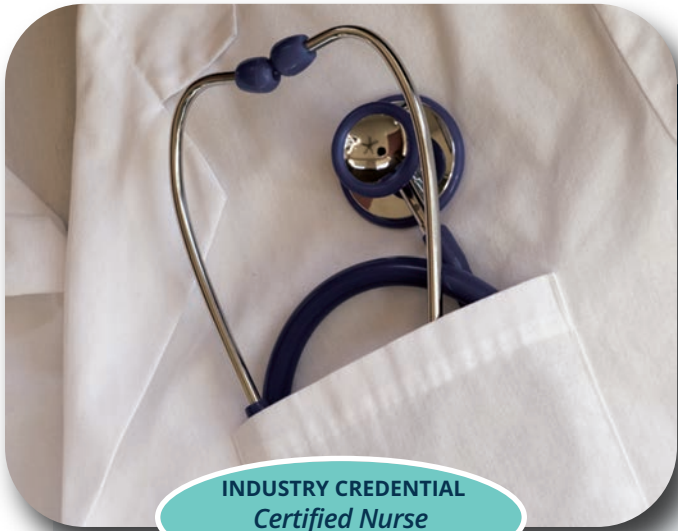
- Clinical Lab Technology
- Dental Assisting or Hygiene
- Medical Assisting
- Nurse Aid
- Pharmacy Technology
- Practical Nursing
- Radiologic Technology
- Registered Nursing
- Surgical Technology

COLLEGES/UNIVERSITIES

- Doctor
- Dentist
- Nurse Practitioner
- Physical Therapist
- Registered Nurse
- Surgeon

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA



INDUSTRY CREDENTIAL
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

Health Educator

Master Degree needed
 \$53,290 annual salary
 90 annual average openings in Georgia

Medical and Health Services Manager

Bachelor Degree needed
 \$74,486 annual salary
 330 annual average openings in Georgia

Occupational Therapist

Master Degree needed
 \$58,427 annual salary
 100 annual average openings in Georgia

Registered Nurse

Associate/ Bachelor Degree needed
 \$53,893 annual salary
 3,340 annual average openings in Georgia

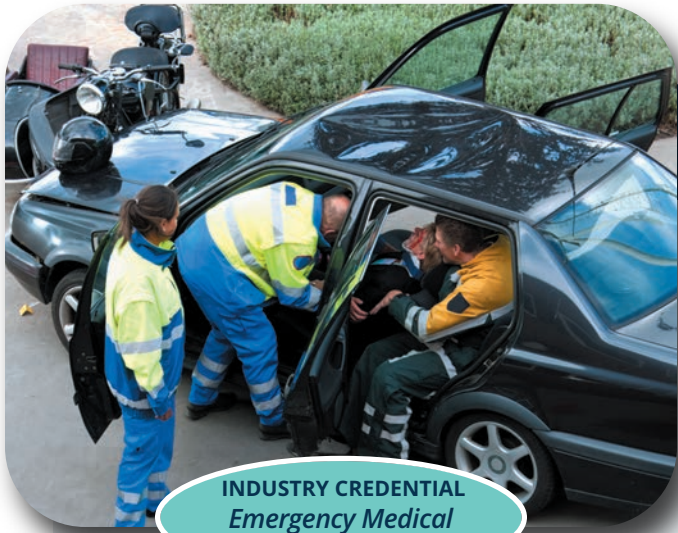
ADDITIONAL CAREER CHOICES

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



Source: GADOE Plans of Study

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



INDUSTRY CREDENTIAL
Emergency Medical Responder

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

Post-Secondary Vocational Training needed
\$29,328 annual salary
290 annual average openings in Georgia

Fire Fighter

Long-Term On-the-Job Training needed
\$33,030 annual salary
500 annual average openings in Georgia

Licensed Practical Nurse

Post-Secondary Vocational Training needed
\$33,030 annual salary
960 annual average openings in Georgia

Registered Nurse

Associate Degree needed
\$54,787 annual salary
3,340 annual average openings in Georgia

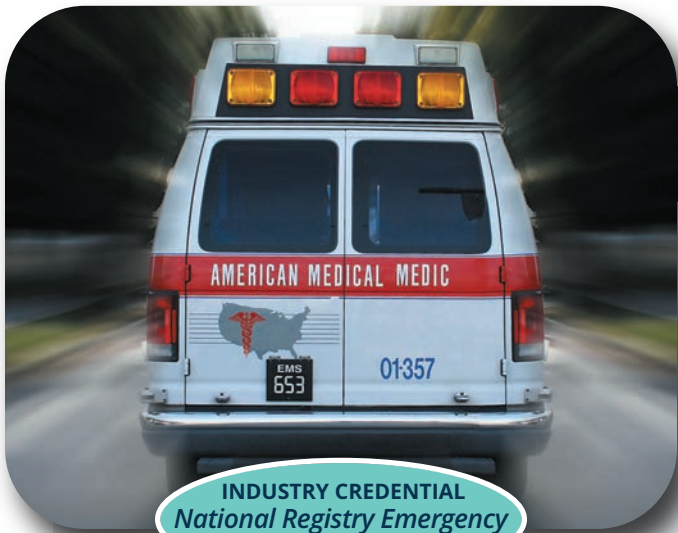
ADDITIONAL CAREER CHOICES

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



Source: GADOE Plans of Study

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



INDUSTRY CREDENTIAL
National Registry Emergency Medical Technician

HEALTH SCIENCE

**THERAPEUTIC SERVICES
EMERGENCY MEDICAL
TECHNICIAN (EMT)
PATHWAY**

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

TOP CAREER CHOICES

EMT/Paramedic

Post-Secondary Vocational Training needed
\$29,328 annual salary
290 annual average openings in Georgia

Fire Fighter

Long-Term On-the-Job Training needed
\$33,030 annual salary
500 annual average openings in Georgia

Licensed Practical Nurse

Post-Secondary Vocational Training needed
\$33,030 annual salary
960 annual average openings in Georgia

Registered Nurse

Associate Degree needed
\$54,787 annual salary
3,340 annual average openings in Georgia

ADDITIONAL CAREER CHOICES

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



Source: GADOE Plans of Study

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



INDUSTRY CREDENTIAL
Phlebotomy Technician

HEALTH SCIENCE

DIAGNOSTIC SERVICES PHLEBOTOMY PATHWAY

TOP CAREER CHOICES

Phlebotomists

Bachelor Degree needed
\$46,891 annual salary
230 annual average openings in Georgia

Cardiovascular Technologist and Technicians

Associate's Degree
\$51,600 annual salary

Medical Lab Assistants

Associate's Degree
\$36,500 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
- Radiologic Technologists
- Registered Nurses
- Respiratory Technicians
- Other Related Health Science Occupations

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

IMPORTANT INFORMATION

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

PATHWAY COURSES

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

RECOMMENDED COURSES

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

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

Training programs are often available at community colleges/ technical schools coupled with clinical experience. Students must pass a certification exam

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- HOSA



Source: GADOE Plans of Study

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



INDUSTRY CREDENTIAL
ServSafe

HOSPITALITY AND TOURISM

CULINARY ARTS PATHWAY

TOP CAREER CHOICES

Note: Salaries in the hospitality industry vary substantially depending on geographical location

Executive Chef, Sous-Chef, Banquet Chef, Kitchen Manager

5 year experience minimum needed
Atlanta annual salary \$45,000 and up
Executive Chef Hotel/Country Club, \$60K and up

Line Cook, Lead Cook

Culinary Arts degree preferred
\$12 to \$15 per hour depending on location

Food Service Manager

Hospital, Colleges, Assisted Living, School Systems
5 to 10 year experience needed
annual salary \$45,000 and up

The Culinary Arts pathway introduces students to fundamental food preparation, cooking techniques, and terminology. Laboratory practice will parallel class work, including knife skills, fundamental cooking techniques, organization skills with an emphasis on basic kitchen and dining room safety, equipment maintenance and proper operating procedures. Courses also provide an overview of the Hospitality Industry, professionalism and work ethics, and the different career opportunities our culinary arts pathway can offer.

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.
- For culinary exploration, FCHS and SCHS offer an Introduction to Culinary Arts class that is not dual enrolled.
- Any student interested in completing the culinary pathway must take the DE courses at the COI.
- Bus transportation to the COI is detailed on page 18.

PATHWAY COURSES

- Dual Enrollment Courses with SCTC (Center of Innovation)
- CUUL 1000 Introduction to Culinary Arts
 - CUUL 1110 Culinary Safety and Sanitation
 - CUUL 1122 Foundations of Cooking Principles
 - CUUL 1124 Foundations of Cooking Techniques

RECOMMENDED COURSES

- Algebra
- Any Science Elective
- Business Essentials
- Computer Applications
- Entrepreneurship
- World Language (Spanish and French)

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

See www.GAFutures.org for additional information

TECHNICAL COLLEGES

- Culinary Arts (Standard Pathway or Baking and Pastry Pathway)
- Food and Beverage Management
- Hospitality Management

COLLEGES/UNIVERSITIES

- Culinary Arts (Standard Pathway or Baking and Pastry Pathway)
- Food and Beverage Management
- Food Science
- Hospitality Management

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- FCCLA

ADDITIONAL CAREER CHOICES

- Baker
- Cake Decorator
- Catering
- Dining Room Manager
- Event Planner
- Food Stylist
- Food Writer and Critic
- Restaurant Owner



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



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

Work experience needed
\$31,304 annual salary
110 annual average openings in Georgia

Dietician/Nutritionist

Bachelor Degree needed
\$42,619 annual salary
80 annual average openings in Georgia

Food Scientist and Technologist

Bachelor Degree needed
\$55,869 annual salary
10 annual average openings in Georgia

Food Services Manager

Work experience needed
\$46,384 annual salary
400 annual average openings in Georgia

Health Education

Master Degree needed
\$53,290 annual salary
90 annual average openings in Georgia

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>



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 Digital Technology
2. Computer Science Principles or AP Computer Science Principles
3. AP Computer Science - AP Computer Science is the only course in this pathway offered at SMHS.

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

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

Bachelor Degree needed
\$75,400 annual salary
230 annual average openings in Georgia

Computer System Analysts

Bachelor Degree needed
\$73,800 annual salary
810 annual average openings in Georgia

Software Developers, Application

Bachelor Degree needed
\$86,300 annual salary
340 annual average openings in Georgia

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>



INFORMATION TECHNOLOGY

INTERNET OF THINGS PATHWAY

These courses are rooted in discovery and hands on learning with college and business and industry partners. Students won't just read about it – they will create and do it!

This pathway course examines how smart devices and the Internet interact. Students will engage their creativity, demonstrate and build their problem solving all while connecting the relevance of computer science to society!

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.
- Any student interested in completing the Internet of Things pathway must take the DE courses at the COI.
- Bus transportation to the COI is detailed on page 18.

PATHWAY COURSES

Students must have successfully completed either AP Computer Science Principles/Computer Science Principles or AP Computer Science.

1. Introduction to Digital Technology
2. Computer Science Principles or AP Computer Science Principles
3. CSCI 1100 Applied Computing Dual Enrollment course with Clayton State University (Center of Innovation)

RECOMMENDED COURSES

- Any Computer Science course
- Art
- STEAM or Engineering
- Math and/or Science classes
- Robotics
- Sociology and/or Psychology

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

See www.GAFutures.org for additional information

TECHNICAL COLLEGES

- Associate of Applied Science in Information Technology
- Computer Science
- Internet Specialist
- Programming
- Computer Simulation

COLLEGES/UNIVERSITIES

- Bachelor of Information Technology
- Bachelor of Science in Computer Science
- Computer Science
- Computational Media
- Computer Information Systems

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

- FBLA

TOP CAREER CHOICES

Information Analyst

Bachelor's Degree needed
\$100,240 Median Salary
9% growth from 2014 - 2017

Software Developer

Bachelor's degree needed
\$100,690 Median Salary
17% growth from 2014 - 2024

Web Developer

Associate Degree needed
\$82,000 Median Salary
27% growth from 2014 - 2017

ADDITIONAL CAREER CHOICES

- App Developer
- Cloud Computing and Networking Associate
- Computer Programmer
- Computer Systems Analysts
- Customer Support Technician
- Cyber Security Consultant
- Data Miner
- Database Administrator
- Healthcare Information Technology
- Information Systems
- Internet of Things Technical Solutions Architect
- IT Consultant
- Multimedia
- Researcher
- Software Engineer
- Software QA Tester
- System Analyst
- Technical Writer



Source: GADOE Plans of Study

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

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 Digital 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

TOP CAREER CHOICES**Computer Programmers**

Bachelor Degree needed
 \$73,674 annual salary
 330 annual average openings in Georgia

Computer Software Engineers

Bachelor Degree needed
 \$77,022 annual salary
 730 annual average openings in Georgia

Computer System Analysts

Bachelor Degree needed
 \$74,443 annual salary
 890 annual average openings in Georgia

Computing and Information Systems Managers

Bachelor Degree plus experience needed
 \$101,400 annual salary
 530 annual average openings in Georgia

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>



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

Bachelor's Degree
\$45,600 annual salary
160 annual average openings in Georgia

Police and Sheriff's Patrol Officers

Some college, no degree required
\$37,400 annual salary
710 annual average openings in Georgia

Forensic Science Technicians

Bachelor Degree needed
\$28,400 annual salary
10 annual average openings in Georgia

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>



MARKETING

MARKETING AND MANAGEMENT PATHWAY

TOP CAREER CHOICES

Chief Executive

Bachelor Degree plus experience needed
\$155,168 annual salary
850 annual average openings in Georgia

Human Resources, Training and Labor Relations Specialist

Bachelor Degree needed
\$53,061 annual salary
150 annual average openings in Georgia

Marketing Manager

Bachelor Degree plus experience needed
\$94,307 annual salary
310 annual average openings in Georgia

Marketing Research Analyst

Bachelor Degree needed
\$61,464 annual salary
210 annual average openings in Georgia

Personal Financial Advisor

Bachelor Degree needed
\$75,754 annual salary
470 annual average openings in Georgia

ADDITIONAL CAREER CHOICES

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

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

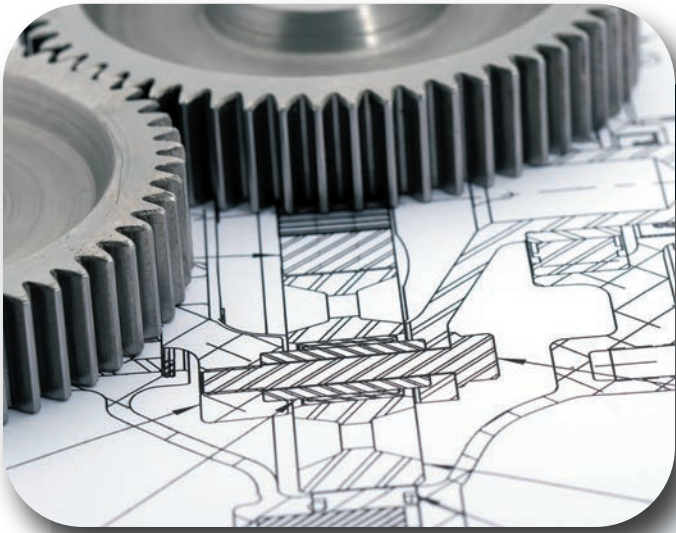
- DECA



Source: GADOE Plans of Study

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

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

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

Bachelor Degree needed
\$56,259 annual salary

Electrical Engineer

Bachelor Degree needed
\$52,990 annual salary

Industrial Engineer

Bachelor Degree needed
\$47,720 annual salary

Materials Engineer

Bachelor Degree needed
\$51,420 annual salary

Mechanical Engineer

Bachelor Degree needed
\$47,900 annual salary

ADDITIONAL CAREER CHOICES

Civil Engineer
Designer
Drafter
Machinist
Manufacturing
Mechanical Engineer
Quality Control Inspector



Source: GADOE Plans of Study

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

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

GENERAL AUTOMOTIVE PATHWAY



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. Maintenance and Light Repair 3 (FY 2021)
4. Automotive Technologies 3 (FY 2022)

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

TOP CAREER CHOICES

Automotive Service Technician and Mechanics

Post-Secondary Vocational Award needed
\$34,549 annual salary
1,000 annual average openings in Georgia

Bus and Truck Mechanic/Diesel Engine Specialist

Post-Secondary Vocational Award needed
\$36,504 annual salary
380 annual average openings in Georgia

Electrical and Electronics Repairers, Commercial and Industrial Equipment

Post-Secondary Vocational Award needed
\$47,611 annual salary
130 annual average openings in Georgia

Vocational Teacher, Post-Secondary School

Bachelor Degree or higher plus
work experience
\$44,637 annual salary
250 annual average openings in Georgia

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)



Source: GADOE Plans of Study

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



Fayette County Public Schools
Career and Technical Education
440 Hood Avenue, Fayetteville, GA 30214
FCBOE.org

