



# FOCUS *on the* FUTURE

*Preparing for high school . . . and beyond*



CHEROKEE CREEKVIEW ETOWAH RIVER RIDGE SEQUOYAH WOODSTOCK C3 ACADEMY

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## Legend: where Pathways are offered

|             |              |            |                |
|-------------|--------------|------------|----------------|
| <b>CHS</b>  | <b>CVHS</b>  | <b>EHS</b> | <b>RRHS</b>    |
| Cherokee HS | Creekview HS | Etowah HS  | River Ridge HS |
| <b>SHS</b>  | <b>WHS</b>   | <b>C3</b>  |                |
| Sequoyah HS | Woodstock HS | C3 Academy |                |

## CTAE Fast Facts

- CCSD CTAE Pathway Completers have a **99%** graduation rate
- Upon completion, **19** CTAE Pathways lead to nationally recognized industry certification
- **13** CTAE courses qualify as the required fourth science course for high school graduation—as noted here with **(S)**
- **5** CTAE End of Pathway Assessments qualify for college credit
- **11** CTAE Pathways offer Technical College System of Georgia (TCSG) course credit upon completion of the pathway AND passing the End of Pathway Assessment. Those Pathways are marked with **TCSG**.



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Median wage data is from 2023-24 from the  
U.S. Bureau of Labor Statistics





What kind of careers are out there for me?

Should I consider dual enrollment?

Do I need to go to college?

What's offered at my school?

**How do I find the right fit between my interests and talents?**

What do I want to be?

What classes can I take in high school that will lead to a job?

Wondering what you want to do after high school? You are not alone! Most students have little idea where their path may lead as they head into the freshman year of high school – it can be an overwhelming concept! Georgia has a single diploma track for most students, with the same basic requirements for graduation whether you have plans for college, career, military or technical school. Those requirements include credit hours for a Pathway, which you can complete in either a career field, foreign language or fine arts; and, if you choose to complete a foreign language or fine arts Pathway, you can still use your open electives to explore different career classes, or complete a Career Pathway.

Georgia Department of Education recognizes 17 different Career Clusters, and each of those clusters has multiple Pathways that orient around a career. Each of our six traditional high schools offers 10 or more Pathways that focus on a career— CCSD offers 44 total Pathways, including three unique Pathways at our C3 Academy. Students take three (or more) classes in a series to complete a pathway, and some pathways offer industry certification as well, giving graduates an immediate entry into the workforce. Depending on the Pathway, some students start their career right after graduation. Some careers may require additional coursework beyond high school to attain a specific credential; others lead to a 4-year college degree for a full array of job opportunities.

Starting a Pathway does not commit a student to that field of study. Sometimes a class can help you discover what you like, as well as what you don't like (equally as important). Some Pathway classes also can count as core subject credit (e.g. Animal Science and Biotechnology in the Veterinary Science Career Pathway counts as one of the four science credits needed for graduation). Essentials of Healthcare counts both as a CTAE course and as Anatomy & Physiology for two full credits.

This booklet gives a brief overview of the many pathways offered at CCSD schools. Please look through it, and if you have questions, there is more information available on our website and at your counselor's office. For detailed course descriptions, see the [High School Course Guide](#) on our website.

The color coded blocks under each Pathway indicate which high schools currently offer that program; if you want to pursue a specific Pathway not offered at your school, talk to your counselor about academic reassignment (transfers are contingent upon program capacity; transportation is not provided).



Learn more about each Pathway by scanning this QR code to visit our website:





## Cherokee High School

### Pathways:

- Agricultural Leadership/Plant & Floriculture Systems
- Audio/Video Technology & Film
- General Automotive Technology
- Carpentry/Electrical
- Computer Science/Web Development
- Early Childhood Care & Education
- Energy & Power
- JROTC - Air Force
- Law Enforcement Services/Forensic Science
- Nutrition & Food Science
- Therapeutic Services/Patient Care/Sports Medicine
- Welding



## Creekview High School

### Pathways:

- Agricultural Mechanics/Metal Fabrication
- Audio/Video Technology & Film
- Computer Science
- Engineering & Technology
- Equine/Veterinary Science
- Graphic Design/Communications
- JROTC-Army
- Law Enforcement Services/Forensic Science/Security & Protective Services
- Marketing & Management
- Nutrition & Food Science
- Teaching as a Profession
- Therapeutic Services/Allied Health/Sports Medicine



## Etowah High School

### Pathways:

- Architectural Drawing & Design
- Audio/Video Technology & Film
- Carpentry/Heavy Equipment Operations
- Collision Repair
- Computer Science
- Engineering Drafting & Design
- Game Design
- JROTC- Air Force
- Law Enforcement/Forensic Science
- Nutrition & Food Science
- Plant & Floral Design Systems
- Therapeutic Services/Allied Health/Sports Med/Exercise Physiology
- Veterinary Science/Companion Animal Systems



## River Ridge High School

### Pathways:

- Audio/Video Technology & Film
- Computer Science
- Diagnostics/Clinical Lab
- Engineering & Technology
- JROTC-Air Force
- Law Enforcement Services/Forensic Science
- Nutrition & Food Science
- Sports Marketing & Entertainment
- Teaching as a Profession
- Web Development



## Sequoyah High School

### Pathways:

- Architectural Drawing & Design
- Audio/Video Technology & Film
- General Automotive Technology
- Computer Science
- Engineering Drafting & Design
- JROTC-Air Force
- Marketing & Management
- Nutrition & Food Science
- Teaching as a Profession
- Therapeutic Services/Patient Care
- Web Development



## Woodstock High School

### Pathways:

- Audio/Video Technology & Film
- Cloud Computing, Web Development
- Computer Science
- Early Childhood Care & Education
- Engineering & Technology
- Engineering/Drafting & Design
- Fire Services/Firefighting
- Graphic Design/Communications
- JROTC-Navy
- Law Enforcement Services/CI
- Nutrition & Food Science



# AGRICULTURE, FOOD AND NATURAL RESOURCES

## POSSIBLE CERTIFICATIONS TO EARN

- OSHA 10
- Veterinary Assistant

## Agricultural Mechanics

### Course of Study

- Basic Agricultural Science
- Agricultural Mechanics Technology I
- Agricultural Mechanics Technology II

CVHS

## Agricultural Mechanics and Metal Fabrication

### Course of Study

- Basic Agricultural Science
- Agricultural Mechanics Technology I
- Agricultural Metals Fabrication

CVHS

## Equine Science

### Course of Study

- Basic Agricultural Science
- Animal Science and Biotechnology (S)
- Equine Science

CVHS

## Veterinary Science

### Course of Study

- Basic Agricultural Science
- Animal Science and Biotechnology (S)
- Veterinary Science

CVHS

EHS

### CAREER POSSIBILITIES

Welder, Mechanic, Carpenter,  
Farm Manager, Animal Caretaker,  
Electrician, Agricultural Inspector,  
Animal Caretaker, Barn Manager, Ani-  
mal Trainer, Veterinarian, Wildlife  
Removal/Relocate, Livestock Buyer,  
Animal Nutritionist, Florist, Land-  
scaping/Groundskeeper, Tree Trim-  
mer/Pruner, Forestry Worker, Con-  
servation Scientist, Farmer/Rancher,  
Agriculture Technician

CCSD high schools offer seven different Pathways within the Agriculture, Food, and Natural Resources Career Cluster. This cluster includes the production, processing, marketing, financing, distribution and develop-  
ment of agricultural commodities and resources. These commodi-  
ties include food, fiber, wood products, natural resources, horticulture  
and other plant and animal products/resources. Students in these Path-  
ways have the opportunity for hands-on learning, and they can also learn  
leadership skills through participation in the FFA student organization.



| Ag Mech Occupations     | Education Needed          | Median Wage |
|-------------------------|---------------------------|-------------|
| Welder, Cutter, Fitter  | Postsecondary Certificate | \$48,940    |
| Agricultural Technician | Associate's Degree        | \$47,010    |
| Agricultural Engineer   | Bachelor's Degree         | \$88,750    |

| Vet Science Occupations | Education Needed    | Median Wage |
|-------------------------|---------------------|-------------|
| Veterinary Assistant    | High School Diploma | \$36,440    |
| Veterinary Technician   | Associate's Degree  | \$43,740    |
| Veterinarian            | Doctoral Degree     | \$119,100   |

# AGRICULTURE, FOOD AND NATURAL RESOURCES

## Plant & Floral Design Systems

### Course of Study

- Basic Agricultural Science
- General Horticulture and Plant Science (S)
- Floral Design and Management

EHS

## Plant & Floriculture Systems

### Course of Study

- Basic Agricultural Science
- General Horticulture and Plant Science (S)
- Floriculture Production & Management
- Optional 4th Class: Agricultural Leadership/Personal Development

CHS

## Companion Animal Systems

### Course of Study

- Basic Agricultural Science
- Animal Science and Biotechnology (S)
- Small Animal Care

EHS

### Career Technical Student Organizations

The National FFA Organization is an American youth organization, specifically a career and technical student organization focused on agricultural education. The organization was founded in 1928 as Future Farmers of America, but in 1988 the name was changed to the National FFA Organization, now commonly referred to as simply FFA, to recognize that the organization is for those with diverse interests in the food, fiber and natural resource industries, encompassing science, business and technology in addition to production agriculture.



| Plant Sys Occupations | Education Needed    | Median Wage |
|-----------------------|---------------------|-------------|
| Nursery Worker        | High School Diploma | \$36,140    |
| Floral Designer       | High School Diploma | \$34,690    |
| Landscape Architect   | Bachelor's Degree   | \$79,320    |





# ARCHITECTURE AND CONSTRUCTION

## POSSIBLE CERTIFICATIONS TO EARN

- Autodesk Inventor Certified User
- Autodesk Revit Architecture Certified User
- NCCER General Carpentry

- Welding 2 ASW industry certification
- OSHA 10

## Architectural Drawing and Design

### Course of Study

- Introduction to Drafting and Design
- Architectural Drawing and Design I
- Architectural Drawing and Design II

EHS

SHS

TCSG

## Carpentry or Electrical

### Course of Study

- Industry Fundamentals and Occupational Safety
- Introduction to Construction
- Carpentry I, or Electrical I

CHS

EHS

TCSG

## Heavy Equipment Operations

### Course of Study

- Industry fundamentals & Occupational Safety
- Introduction to Heavy Equipment
- Heavy Equipment Operations I

EHS

## Welding

### Course of Study

- Industry Fundamentals and Occupational Safety
- Introduction to Metals
- Welding I, Welding II, Welding III

CHS

TCSG

  
SkillsUSA

The Architecture and Construction Career Cluster includes careers in designing, planning, managing and building structures. CCSD offers four Pathways in this cluster, with industry certified programs in Architecture at Sequoyah HS and Etowah HS, and Carpentry at Etowah HS.

| Architecture Occupations | Education Needed    | Median Wage |
|--------------------------|---------------------|-------------|
| Home Stager              | High School Diploma | \$46,930    |
| Architectural Drafter    | Associate's Degree  | \$62,530    |
| Architect                | Bachelor's Degree   | \$93,310    |

| Carpentry Occupations | Education Needed    | Median Wage |
|-----------------------|---------------------|-------------|
| Carpenter Apprentice  | High School Diploma | \$41,600    |
| Carpenter             | Apprenticeship      | \$56,350    |
| Construction Manager  | Bachelor's Degree   | \$104,900   |

| Heavy Equipment Operator Occupations | Education Needed                          | Median Wage |
|--------------------------------------|-------------------------------------------|-------------|
| Construction Equipment Operator      | High School Diploma + on the job training | \$55,270    |

| Welding Occupations | Education Needed          | Median Wage |
|---------------------|---------------------------|-------------|
| Welder              | Postsecondary Certificate | \$48,940    |



## CAREER POSSIBILITIES

Construction Manager, Heavy Equipment Operator, Mechanical Engineer, Civil Engineer, Architect, Supervisor, Plumber and Pipe-fitter, Welder, Carpenter, Architecture Professor, Urban and Regional Planner, Architectural Manager, Landscape Architect, Architectural Drafter, Mechanical Drafter, Civil Drafter, Electronic Drafter, Cost Estimator; Product Safety Engineer, Occupational Health and Safety Technician, Construction and Building Inspector

SkillsUSA is a partnership of students, teachers and industry working together to serve middle school, high school and college/postsecondary students preparing for careers in trade, technical and skilled service occupations. CCSD students compete in state and national SkillsUSA events to showcase their skills, earning awards — and interest from employers.

# ARTS, A/V TECHNOLOGY AND COMMUNICATION

## POSSIBLE CERTIFICATIONS TO EARN

- Adobe Premier Pro
- Adobe Photoshop
- Adobe Illustrator

## Audio/Video Technology and Film

### Course of Study

- Audio/Video Technology and Film
- Audio/Video Technology and Film II
- Audio/Video Technology and Film III or Broadcast/Video Production Application

CHS

CVHS

EHS

RRHS

SHS

WHS

## Graphic Design

### Course of Study

- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Design

CVHS

WHS

## Graphic Communications

### Course of Study

- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Output Processes

CVHS

WHS

The Arts, A/V Technology and Communications Career Cluster includes designing, producing, exhibiting, performing, writing and publishing multimedia content. CCSD offers three Pathways in this cluster, with Audio/Video Technology and Film offered at all six high schools. Sequoyah's program is industry certified. Programs have a strong tie to the Georgia Film Institute.



| A/V Film Occupations   | Education Needed            | Median Wage |
|------------------------|-----------------------------|-------------|
| Videographer           | High School Diploma         | \$61,800    |
| Audio/Video Technician | Postsecondary Certification | \$59,620    |
| Film & Video Editor    | Bachelor's Degree           | \$65,070    |

| Graphic Design Occupations | Education Needed  | Median Wage |
|----------------------------|-------------------|-------------|
| Production Artist          | Bachelor's Degree | \$62,790    |
| Graphic Designer           | Bachelor's Degree | \$58,910    |
| Art Director               | Bachelor's Degree | \$106,500   |

## CAREER POSSIBILITIES

Audio and Video Technician, Camera Operator, Film and Video Editor, Set Construction, Hair and Makeup Assistant, Casting Director, Location Scout, Creative Director, Production Artist, Branding Identity Design, Marketing & Advertising, Web Design, Graphic Illustrator





# EDUCATION AND TRAINING

## COLLEGE CREDIT:

- University System of GA awards 3 hours of college credit upon completion of exam

## Early Childhood Care and Education I and II

### Course of Study

- Early Childhood Education I
- Early Childhood Education II
- Early Childhood Education III or Early Childhood Education Practicum

CHS

WHS

TCSG

## Teaching as a Profession

### Course of Study

- Examining Teaching as a Profession
- Contemporary Issues in Education
- Teaching as a Professional Practicum

CVHS

RRHS

SHS

There are two Pathways found under this cluster area: Early Childhood Education and Teaching as a Profession. Students are prepared to plan, manage and provide education and training services, and related learning support services. Students can take the NOCTI (National Occupational Competency Testing Institute) Georgia Teaching as a Profession exam. Upon successful completion of the Pathway, passage of the End of Pathway exam and submission of an appropriate portfolio of work, students are awarded three college credit hours by the University System of Georgia ... and guaranteed an interview with CCSD upon graduating from college and earning professional certification.

| Education Occupations | Education Needed    | Median Wage |
|-----------------------|---------------------|-------------|
| Childcare worker      | High School Diploma | \$30,730    |
| Paraprofessional      | Associate's Degree  | \$35,550    |
| Teacher               | Bachelor's Degree   | \$63,670    |

## CAREER POSSIBILITIES

Childcare Provider, Childcare Manager, Preschool Teacher, Teacher Assistant/Paraprofessional, Classroom Teacher, School Administrator, Social Worker, School Counselor, Media Specialist, School Psychologist, Instructional Coordinator, Recreation Worker, Coach

## Career Technical Student Organizations

- Future Georgia Educators
- Family Career and Community Leaders of America



# ENERGY

POSSIBLE CERTIFICATIONS TO EARN  
• OSHA 10

## Energy and Power

### Course of Study

- Foundations of Energy Technologies
- Energy and Power: Generation, Transmission, Distribution
- Energy Systems Applications

CHS

### Career Technical Student Organizations

- TSA



The Energy Career Cluster prepares individuals for careers in the designing, planning, maintaining, generating, transmission and distribution of traditional and alternative energy.

| Energy Occupations                  | Education Needed    | Median Wage |
|-------------------------------------|---------------------|-------------|
| Electrical Engineering Technologist | Associate's Degree  | \$72,800    |
| Energy Engineer                     | Bachelor's Degree   | \$125,460   |
| Apprentice Line Crew                | High School Diploma | \$52,000    |

### CAREER POSSIBILITIES

Operations Engineer, Maintenance Technician, Electrical Engineer, Transmission Planning Engineer, Line Worker, Telecommunications Installer, Telecommunications Technician

# HUMAN SERVICES

POSSIBLE CERTIFICATIONS TO EARN

- ServSafe Food Handler
- ServSafe Food Manager

## Nutrition and Food Science

### Course of Study

- Food, Nutrition and Wellness
- Food for Life (S)
- Food Science (S)

CHS

CVHS

EHS

RRHS

SHS

WHS

### Career Technical Student Organizations

- Family Career and Community Leaders of America



The Human Services Career Cluster prepares students for post secondary education and careers in the business-related aspect of family and consumer sciences. It provides opportunities to develop the knowledge, skills, attitudes and behaviors that students need to become responsible citizens and leaders; and to manage the challenges of living and working in a diverse global society.

In addition to classroom/laboratory instruction, which aids in the development of academic and technical skills, the Family and Consumer Sciences program also includes participation in the Family Career and Community Leaders of America (FCCLA), a career and technical student organization. FCCLA provides an array of activities to enhance student academic and technical competencies and develop leadership and communication skills.

| Nutrition Occupations | Education Needed    | Median Wage |
|-----------------------|---------------------|-------------|
| Food Service Manager  | High School Diploma | \$63,060    |
| Dietician             | Bachelor's Degree   | \$69,680    |
| Food Scientist/Tech   | Bachelor's Degree   | \$88,350    |

### CAREER POSSIBILITIES

Food Chemist, Food Engineer, Nutritionist, Food Scientist, Food Processing Operations Manager, Food Science Manager, Production Manager, Product Nutrition Science Manager, Food Safety Program Manager, Sales Manager, Caterer, Baker



# GOVERNMENT AND PUBLIC ADMINISTRATION

- JROTC counts for required PE credit
- JROTC can lead to college credit and/or scholarships

## JROTC Air Force

### Course of Study

- Aerospace Science: Aviation History/Leadership
- Aerospace Science: Flight Science (S)
- Aerospace Science: Global/Cultural Studies
- Aerospace Science: Space Exploration/Leadership
- Aerospace Science: Cadet Corps Mgmt/Leadership

CHS

EHS

RRHS

SHS

## JROTC Army

### Course of Study

- JROTC Army Leadership Education I
- JROTC Army Leadership Education II
- JROTC Army Leadership Education III
- JROTC Army Leadership Education IV

CVHS

## JROTC Navy

### Course of Study

- Naval Science I Cadet Field Manual
- Naval Science I Introduction to NJROTC
- Naval Science: Maritime History
- Naval Science III Naval Orientation & Skills
- Naval Science IV Effective Communications

WHS

The Government and Public Administration Career Cluster includes the 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. The JROTC military branches of Pathway courses offer the chance to provide students preparation for leadership development, military studies and postsecondary education readiness. Student activities include Riflery Team, Raiders and Color Guard.

| Military Occupations     | Education Needed    | Median Wage |
|--------------------------|---------------------|-------------|
| General Enlisted         | High School Diploma | \$52,930    |
| Commissioned Officer     | High School Diploma | \$85,600    |
| Nuclear Reactor Operator | High School Diploma | \$121,240   |

### CAREER POSSIBILITIES

Enlisted Soldier, Commissioned Officer, Pilot, Auto Maintenance, Warrant Officer, Linguist, Operations Specialist, Medical, Clerical, Police Officer, Communications Specialist, Air Traffic Controller, Avionics Technician, Heavy Equipment Mechanic, Electrician, Logistics Specialist, Recruiting/Retention Specialist, Office Manager



(S) satisfies fourth science credit requirement

# HEALTH SCIENCE

## POSSIBLE CERTIFICATIONS TO EARN

- OSHA Health Certification
- CPR Certification
- National Health Science Assessment
- Athletic Training Student Aide
- NASM: Certified Personal Trainer
- CNA: Certified Nursing Assistant

## Therapeutic Services

### Course of Study

- Introduction to Healthcare Science
- Essentials of Healthcare (S)+

### Patient Care Pathway

- Patient Care Fundamentals



### Sports Medicine Pathway

- Sports Medicine (S)



### Allied Health & Medicine Pathway

- Allied Health & Medicine



### Exercise Physiology Pathway

- Fundamentals of Exercise Physiology



## Diagnostics/Clinical Lab

### Course of Study

- Introduction to Healthcare Science
- Essentials of Healthcare (S)+
- Clinical Lab I



### Career Technical Student Organizations

- HOSA – Future Health Professionals. HOSA provides a unique program of leadership development, motivation and recognition exclusively for secondary, postsecondary, middle school, adult and collegiate students enrolled in health science education and biomedical science programs or have interests in pursuing careers in health professions.

Healthcare Science Pathways are designed to provide students the opportunity to explore careers in healthcare. This course of study will provide students with a smooth transition into post-secondary nursing, medical or allied health education or the ability to acquire an entry level medical position in the workforce or the military. Students are exposed to general healthcare knowledge and skills and are then encouraged to pursue a more in-depth study in the career area they are interested in through the appropriate Career Pathway.

| Healthcare Occupations       | Education Needed  | Median Wage |
|------------------------------|-------------------|-------------|
| Certified Nursing Asst (CNA) | Certification     | \$38,140    |
| Physician Assistant          | Master's Degree   | \$130,020   |
| Registered Nurse             | Bachelor's Degree | \$86,070    |

## CAREER POSSIBILITIES

Occupational Therapist, Clinical Nurse Specialist, Nursing Instructor/Professor, Pediatrician, Internist, Family and General Physician, Obstetrician/Gynecology, Physical Medicine/Rehabilitation Physician, Hospitalist, Physical Therapist, Critical Care Nurse, Nurse Practitioner, Licensed Practical Nurse, Nuclear Medicine Physician, Physician Assistant, Registered Nurse





# INFORMATION TECHNOLOGY

## POSSIBLE CERTIFICATIONS TO EARN

- AWS Certified Cloud Practitioner - Fundamentals
- CompTIA Security +
- Microsoft Office Specialist
- Unity Certified Associate

## Computer Science

### Course of Study

- Introduction to Software Technology
- Computer Science Principles (S) or AP Computer Science Principles (S)
- AP Computer Science (S)

CHS

CVHS

EHS

RRHS

SHS

WHS

## Cloud Computing

### Course of Study

- Introduction to Software Technology
- AP/Computer Science Principles (S)
- Cloud Computing

WHS

TCSG

## Cybersecurity

### Course of Study

- Introduction to Hardware Technology
- Introduction to Cybersecurity
- Advanced Cybersecurity

C3

TCSG

## Game Design

### Course of Study

- Introduction to Software Technology
- Computer Science Principles (S) or AP Computer Science Principles (S)
- Game Design: Animation and Simulation (S)

EHS

TCSG

## Web Development

### Course of Study

- Introduction to Software Technology
- Computer Science Principles (S) or AP Computer Science Principles (S)
- Web Development (S)

CHS

RRHS

SHS

WHS

(S) satisfies fourth science credit requirement

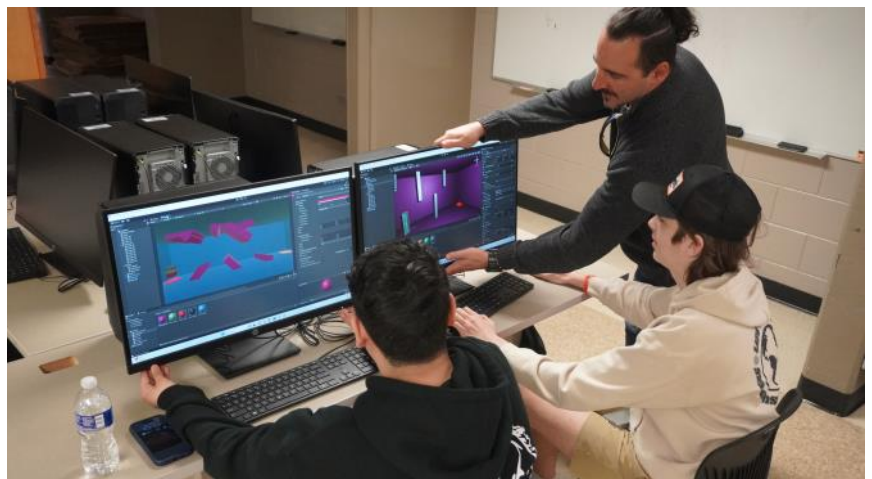
The Information Technology Career Cluster is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services. Computer Science is offered at all six traditional CCSD high schools; Cloud Computing was introduced in 2022 at Woodstock HS and Game Design in 2023 at Etowah HS. Cybersecurity is offered only at C3 (Cherokee College & Career) Academy.

| Computer Science Occupations | Education Needed    | Median Wage |
|------------------------------|---------------------|-------------|
| Computer Programmer          | Bachelor's Degree   | \$99,700    |
| Computer Support Specialist  | High School Diploma | \$60,810    |
| Computer Network Architect   | Bachelor's Degree   | \$129,840   |

| Cybersecurity Occupations         | Education Needed    | Median Wage |
|-----------------------------------|---------------------|-------------|
| Information Security Analyst      | Bachelor's Degree   | \$120,360   |
| Security Information Specialist   | High School Diploma | \$85,800    |
| Vulnerability Assessment Engineer | Bachelor's Degree   | \$138,175   |

## CAREER POSSIBILITIES

IT Project Manager, Computer and Information Systems Manager, Computer Network Architect, Computer Systems Analyst, Computer Systems Engineer/Architect, Computer and Information Research Scientist, Network and Computer Systems Administrator, Systems Software Developer, Software Quality Assurance Engineer and Tester, Web Administrator, Computer Programmer, Computer User Support, Game Designer, Website Designer



## Career Technical Student Organizations

- TSA
- First Robotics of Georgia
- Skills USA



# LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Certifications or College Credit

- NOCTI Criminal Justice
- FEMA Community Preparedness Certification



## Fire and Emergency Services

Course of Study

- Introduction to Law, Public Safety, Corrections and Security
- Essentials of Fire and Emergency Services
- Applications of Firefighting

WHS

## Law Enforcement: Criminal Investigations

Course of Study

- Introduction to Law, Public Safety, Corrections and Security
- Criminal Justice Essentials
- Criminal Investigations

WHS

TCSG

## Law Enforcement: Forensic Science

Course of Study

- Introduction to Law, Public Safety, Corrections and Security
- Criminal Justice Essentials
- Forensic Science and Criminal Investigations (S)

CHS

CVHS

EHS

RRHS

## Security and Protective Services

Course of Study

- Introduction to Law, Public Safety, Corrections and Security
- Criminal Justice Essentials
- Security and Protective Services

CVHS

### Career Technical Student Organizations

- Skills USA

The Law, Public Safety, Corrections and Security Career Cluster is focused on planning, managing and providing legal, public safety and protective services and homeland security, including professional and technical support services.

| Public Safety Occupations | Education Needed               | Median Wage |
|---------------------------|--------------------------------|-------------|
| Firefighter               | High School Diploma            | \$57,120    |
| Police Officer            | High School Diploma            | \$74,910    |
| Probation Officer         | Bachelor's Degree              | \$61,800    |
| Attorney                  | Bachelor's Degree + Law School | \$145,760   |



### CAREER POSSIBILITIES

Lawyer, Law Professor, Judge/Magistrate, Administrative Law Judge/Adjudicator, Probation Officer/Correctional Treatments Specialist, Sheriff/Deputy Sheriff, Private Detective/Investigator, Judicial Law Clerk, Criminal Investigator/Special Agent, Forensic Scientist, Court Reporter, Police Detective, Police Patrol Officer, Paralegal and Legal Assistant, Firefighter, Fire Marshall, Training Officer



# MARKETING

## Marketing and Management

### Course of Study

- Marketing Principles
- Marketing and Entrepreneurship
- Marketing Management

CVHS

RRHS

SHS



The Marketing Pathway is designed to prepare students for postsecondary education and careers in marketing, management and entrepreneurship. 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).



| Marketing Occupations   | Education Needed    | Median Wage |
|-------------------------|---------------------|-------------|
| Sales Representative    | High School Diploma | \$73,080    |
| Market Research Analyst | Bachelor's Degree   | \$74,680    |
| Marketing Manager       | Bachelor's Degree   | \$156,580   |

### CAREER POSSIBILITIES

Entrepreneur, Small Business Owner, Franchisee, Customer Service Representative, Human Resource Representative, Public Relations Manager, Clerical, Marketing, Advertising Account Executive, Store Manager, Sales Representative, Copywriter, Promotions Manager

# SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

## Engineering and Technology

### Course of Study

- Foundations of Engineering and Technology
- Engineering Concepts
- Engineering Applications

CVHS

RRHS

WHS

## Engineering Drafting and Design

### Course of Study

- Introduction to Drafting and Design
- Survey of Engineering Graphics
- 3D Modeling and Analysis

EHS

SHS

WHS

TCSG

### Career Technical Student Organizations

- TSA

The STEM Career Cluster is focused on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.



| STEM Occupations    | Education Needed   | Median Wage |
|---------------------|--------------------|-------------|
| Avionics Technician | Associate's Degree | \$77,080    |
| Electrical Engineer | Bachelor's Degree  | \$109,010   |
| Aerospace Engineer  | Bachelor's Degree  | \$130,720   |

### CAREER POSSIBILITIES

Aerospace Engineer, Chemical Engineer, Communications Engineer, Civil Engineer, Electrical Engineer, Materials Lab & Supply Technician, Technical Writer, Textile Engineer, Statistician, Computer Information Manager, Medical Scientist, Researcher, Chemist, Environmental Scientist, Conservation Scientist, Climate Change Policy Analyst

# TRANSPORTATION, DISTRIBUTION AND LOGISTICS

## POSSIBLE CERTIFICATIONS TO EARN

- ASE (Automotive Service Excellence)
- FAA107
- FAA Part 61

## General Automotive Technology

### Course of Study

- Automotive Technologies I
- Automotive Technologies II
- Automotive Technologies III

CHS

SHS

TCSG

## Collision Repair: Painting and Refinishing

### Course of Study

- Introduction to Collision Repair
- Painting and Refinishing I
- Painting and Refinishing II

EHS

## Flight Operations

### Course of Study

- Fundamentals of Aerospace
- Flight Operations I
- Flight Operations II

C3

## Unmanned Aircraft Systems

### Course of Study

- Fundamentals of Aerospace
- Flight Operations I
- Unmanned Aircraft Systems

C3

## Career Technical Student Organizations

- Skills USA



The Transportation, Distribution and Logistics Career Cluster is focused on planning, management and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, supply chain management, mobile equipment and facility maintenance.

| Transportation Occupations | Education Needed    | Median Wage |
|----------------------------|---------------------|-------------|
| Automotive Body Repair     | High School Diploma | \$48,450    |
| Automotive Master Mechanic | Associate's Degree  | \$61,780    |
| Commercial Drone Pilot     | High School Diploma | \$50,000    |
| Airline Pilot              | Bachelor's Degree   | \$138,000   |
| Aerospace Engineer         | Bachelor's Degree   | \$130,720   |



## CAREER POSSIBILITIES

Auto Mechanic, Auto Body Repair, Auto Master Mechanic, Auto Appraiser, Diesel Mechanic, Airplane Mechanic, Commercial Pilots, Air Traffic Controller, Flight Engineer, Truck Driver, Cargo Handling Supervisor, Avionics Technician, Drone Operator



# HOSPITALITY AND TOURISM

## Sports and Entertainment Marketing

### Course of Study

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

RRHS

### CAREER POSSIBILITIES

Sports Team Marketing, Entertainment Marketing, Event Management, Event Planning, Event Production, Facility Management, Public Relations, Sports Agent, Sports Information, Social Media Manager, Sporting Goods Retail, Promoter.

Students in the Sports and Entertainment Pathway will apply their knowledge and skills to this industry in order to master the industry's terminology, market arenas and venues, obtain sponsorships, maintain solid media relations, coordinate and manage campaigns and events, etc. This pathway culminates with an opportunity for students to take the MBA Research "A\*S\*K Marketing Concepts" end of pathway assessment or the NOCTI "Marketing Education Manager Trainee" end of pathway assessment. Students may earn a credentialing certificate.

| Hospitality Occupations | Education Needed    | Median Wage |
|-------------------------|---------------------|-------------|
| Sporting Goods Sales    | High School Diploma | \$36,690    |
| Event Planner           | Associate's Degree  | \$56,920    |
| Sports/Actor Agent      | Bachelor's Degree   | \$132,810   |
| Sports Information      | Bachelor's Degree   | \$56,990    |
| Sports/Event Marketing  | Bachelor's Degree   | \$67,430    |

## WORKFORCE READY

### Workforce Ready

RRHS

WHS

### Course of Study

- Introduction to Career Competencies
- Career Competencies
- Advanced Career Competencies

Workforce Ready is an employability skills pathway designed to provide students with heavy exposure to all aspects of workplace readiness and employability skills development, ranging from customer service and conflict resolution to personal financial literacy and workplace health and safety.

TCSG

### Pathways that Can Lead to Technical College Credit

*Students must complete the Pathway and pass the End of Pathway Assessment*

TCSG

#### Architecture & Construction Career Cluster

- ◇ Architectural Drafting (Architectural Drawing & Design)
- ◇ Drafting Technology (Engineering Drafting & Design)
- ◇ Electrical
- ◇ NCCER Construction (EHS Only)
- ◇ Welding

#### Education & Training Career Cluster

- ◇ Early Childhood Education

#### Health Science Career Cluster

- ◇ Patient Care Technician

#### Information Technology Career Cluster

- ◇ Certified Cloud Computing
- ◇ Cybersecurity

#### Law, Public Safety, Corrections & Security Career Cluster

- ◇ Criminal Justice

#### Technology, Engineering & Mathematics Career Cluster

- ◇ Drafting Technology (Engineering Drafting & Design)

#### Transportation, Distribution & Logistics Career Cluster

- ◇ Automotive Technician

## WORK-BASED LEARNING OFFERS BENEFITS FOR STUDENTS AND EMPLOYERS

The Cherokee County Work-Based Learning Program is an educational opportunity for juniors and seniors who have an identified career objective to obtain experience and skills in a workplace setting and begin working in their career pathway while still in high school.

Students have the opportunity to connect what they learn in school with work-site application, enabling a smooth transition into the work force and/or education beyond high school. Contact the coordinator at your school for more information.



**985** Work-Based  
Learning  
Students

**708** Work-Based  
Learning  
Employers

**\$5.6 Million**  
Work-Based Learning  
Student Earnings

### DISCOVER YOUR CAREER STRENGTHS IN 'YOUSCIENCE'

YouScience is an online career aptitude assessment provided by the Georgia Department of Education for all CCSD students at no cost, beginning in sixth grade. Students take a series of aptitude tests and interest surveys to determine their strengths and skillsets. YouScience then matches those results with possible secondary education choices and careers.

Filters allow students and parents to sort colleges based on cost and location and sort potential careers by education required. Results allow students, parents and counselors to plan a student's Individual Graduation Plan and beyond. YouScience can be accessed via a student's Canvas account: select SLDS and then My Career Plan.

Student YouScience accounts remain active for 10 years, should you wish to revisit the program at a later date and review career choices.

### SCIENCE CREDITS

**Pathway Courses that also meet the fourth science credit required for graduation:**

- Animal Science Technology/Biotechnology
- General Horticulture and Plant Science
- Food Science
- Food for Life
- Essentials of Healthcare (counts for 2 credits, including Anatomy & Physiology)
- Sports Medicine
- Computer Science Principles
- AP Computer Science Principles
- AP Computer Science
- Game Design: Animation and Simulation
- Web Development
- Forensic Science and Criminal Investigations
- Aerospace Science: Flight Science

*Courses are indicated by (S) or (S)+ in this handbook*

Note: this credit does **not** require completion of the pathway and differs from the credit awarded under CTAE+; please see p. 19 for details.



## DUAL ENROLLMENT: PLAN EARLY TO MEET DEADLINES

Georgia's Dual Enrollment (DE) program allows high school students to earn college credit while working on their high school diploma. DE makes it easy for students and parents to navigate and take advantage of the available options to enroll in college courses while still in high school. Students in grades 10-12 may participate full time (attending all classes on a college campus) or part time (split their day and schedule between college and high school locations). Georgia's DE program now covers tuition, mandatory fees and required textbooks for up to 30 hours (two full semesters of credit) per student.

Students must meet the DE admissions requirements set by the participating postsecondary institution they wish to attend. Those requirements may include a minimum grade level and/or age requirement.

To participate in DE, students must complete the CCSD DE Participation Form and meet with their school counselor prior to specific deadlines — dates for 2025-26 will be updated on the [CCSD DE website](#). Deadlines for the next school year are typically in March/April, so begin planning early!

Interested students should visit the [State Department of Education Dual Enrollment website](#) and [Georgia Futures](#) to learn more.

### DE Courses on Campus

Chattahoochee Technical College conducts dual enrollment classes for specific programs on site after regular school hours at two CCSD high schools:

- Creekview HS: Welding, Certified Nursing Assistant (CNA)
- River Ridge HS: Certified Nursing Assistant (CNA)

### [Accelerated Career Diploma](#)

Accelerated Career pathways offer qualified students a unique path to high school graduation. Students choose to simultaneously earn a high school diploma and a college Associate Degree, Technical Diploma, or two Technical Certificates of Credit in a specific career pathway. Some of the required high school courses may be taken under the state-funded Dual Enrollment program. Ask your counselor for more information or reach out to a technical college— this pathway should be started in 9th or 10th grade in order to plan successfully for completion.

## CTAE+ OFFERS NEW GRAD CREDIT OPTIONS FOR PATHWAY COURSES

CTAE+ is a new initiative from the Georgia Department of Education to recognize the skills and mastery that students develop in their CTAE pathways by providing opportunities for students to meet some academic graduation requirements through pathway completion. Any high school student may take advantage of CTAE+ beginning in the 2024-25 school year, regardless of the grade in which they are enrolled. A student may use CTAE+ credit up to three times: to meet the 4<sup>th</sup> English/Language Arts credit required for graduation; to meet the 4<sup>th</sup> Mathematics credit required for graduation; and/or to meet the 4<sup>th</sup> Science credit required for graduation. A student must pass all three courses required in a specific pathway to be eligible for CTAE+ credit.

Cherokee County School District awards a P (Pass) as a grade for CTAE+ credit. This will not impact the calculation of Grade Point Average (GPA) for HOPE purposes. It will also not impact GPA for class rank-

ing purposes. CTAE+ credit is recognized by the Technical College System of Georgia (TCSG) but not by the University System of Georgia (USG). It will not meet admissions requirements for most four-year universities.

The following are pathways that CCSD offers that will meet the CTAE+ credit for pathway completion:

### MATHEMATICS

Agricultural Mechanics Systems (CVHS)  
Engineering & Technology (CVHS, RRHS, WHS)  
Engineering Drafting & Design (EHS, SHS, WHS)

### SCIENCE

Energy & Power (CHS)  
Flight Operations (C3 Academy)  
Unmanned Aircraft Systems (C3 Academy)

### ENGLISH/LANGUAGE ARTS

Audio-Video Technology & Film (all CCSD high schools)  
Graphic Communications (CVHS, WHS)  
Business & Technology (i-Grad)



# FOCUS ON THE FUTURE