

## Be on the lookout for the 2023–24 Career Guide

New this year, the GCPS Career Guide will be available to students and families who are starting the conversation about college and career options. The guide contains:

- Information about specialized schools like Maxwell High School of Technology and Grayson High School Technical Education Program;
- Descriptions of career areas, with details about the pathways within those general areas;
- Options for getting started on a career while in high school, such as work-based learning, certification opportunities, and progress toward an associate degree; and
- Detailed information about salaries, job growth, and openings in each field.



# Career, Technical & Agricultural Education in GCPS

We often ask students, “*What do you want to be when you grow up?*” We ask this to spark curiosity and imagination and to help students think about their future. Today, our students have a world of options at their fingertips—they can be doctors, teachers, engineers, designers, or something that hasn’t been imagined yet. This is why we go beyond the initial question, and show them the full range of possibilities to ensure that we do not limit their options. We tailor our questions to explore what they are enthusiastic about, what they are good at, and what they want to contribute to the world.

In our complex world, the demand for individuals with a depth of technical knowledge is equally matched to the demand for a workforce equipped with critical thinking and problem-solving abilities. We are committed to ensuring students are prepared to contribute valuable skills, along with an interest in continually learning, and are ready to not only meet, but exceed the demands of the careers they choose. Our educational programs and career pathways serve a critical role in supporting college and career readiness. We help students explore their interests, develop their skills, and learn about different career options, while gaining positive exposure to future possibilities.

The Division of Teaching and Learning supports college and career readiness by:

- Offering career, technical, and agricultural education programs that give students hands-on experience in a wide range of fields that help develop in-demand skills.
- Providing guidance and coaching to help students make informed decisions about their education and career paths.
- Partnering with businesses and organizations to enable students to see themselves in the industries they choose.
- Offering dual enrollment programs that allow students to earn college credits while still in high school.
- Providing access and industry-level certification opportunities to support students on their professional journey.

We have also changed how we ask students about their futures. Now we ask:

- **Who** do you want to be when you grow up?
- How do you know?
- What experiences would help you be sure this is the *right path* for your future?
- *How can we help* you pursue your goals?

We are excited to share this College and Career update to help students and families answer these questions as a part of their education in Gwinnett County Public Schools. We continue our commitment to ensuring each and every student is ready for *their* future.

## CTAE students aren’t just prepared for the real world—they have a better experience in high school.

They are three times more likely to report being “very satisfied” with their ability to learn real-world skills.

Students who complete a pathway have a graduation rate of 97%.

They are twice as likely to say they are very satisfied with their high school education.

### IN-DEMAND OCCUPATIONS IN GEORGIA

Education Needed	Occupation	Average Salary	Job Growth Projected Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School Diploma	Pharmacy Technician	\$35,381	24%	11,500
	Nursing Assistant	\$30,310	19%	49,800
Certification	Medical Assistant	\$36,878	34%	43,700
	Licensed Practical and Licensed Vocational Nurse	\$51,605	19%	22,300
Associate Degree	Radiologic Technologist	\$63,710	19%	4,900
	Respiratory Therapist	\$64,438	36%	3,900
	Occupational Therapy Assistant	\$69,992	63%	2,400
	Dental Hygienist	\$79,664	16%	4,600
Bachelor's Degree	Registered Nurse	\$80,746	18%	54,700
Master's Degree	Nurse Practitioner	\$113,422	79%	12,500
	Physician Assistant	\$117,541	37%	5,200
Professional Degree	Physical Therapist	\$96,907	34%	4,800

Source - George LaborMarket Explorer, 2023

### IS THIS FOR ME?

Are you interested in becoming a doctor or nurse?

Are you empathetic and like to help people?

Do you enjoy math, science, and the human anatomy?





# Career, Technical, & Agricultural Education across GCPS

## What is a career pathway?

A pathway is a series of courses that starts as a general survey of knowledge and skills, and each year becomes more specialized. Students are eligible to take a test in the third year that is typically an industry-recognized credential.

## High School Pathways

### Agriculture

Forestry/Natural Resources Management  
Environmental Agriculture Systems  
Companion Animal Systems  
Veterinary Science

### Architecture and Construction

Architectural Drawing & Design  
Carpentry  
Electrical  
HVACR  
Masonry  
Plumbing  
Welding

### Arts, AV/Tech, and Communication

Animation & Digital Media  
A/V Technology & Film I or II  
Film Production  
Graphic Design

### Business Management and Administration

Business & Technology  
Entrepreneurship

### Education and Training

Early Childhood Education I or II  
Teaching as a Profession

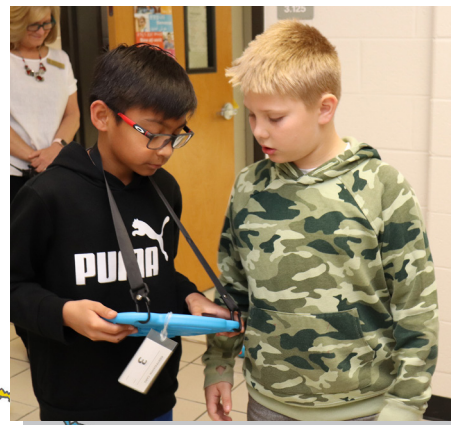
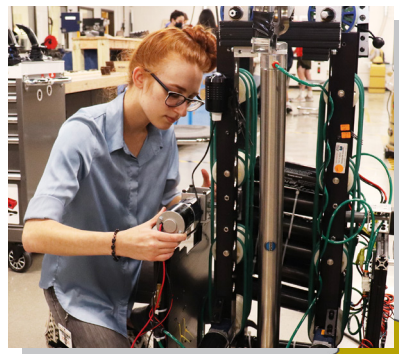
### Energy Systems

### Finance

Advanced Accounting  
Business Accounting  
Financial Services  
International Business

### Government and Public Administration

JROTC - Army  
JROTC - Air Force  
JROTC - Marines  
JROTC - Navy



## Health Science

Allied Health & Medicine  
Biotechnology  
Diagnostics Phlebotomy  
Exercise Physiology  
Health Information Management  
Patient Care  
Pharmacy  
Sports Medicine

## Hospitality and Tourism

Culinary Arts  
Hospitality, Recreation & Tourism  
Sports & Entertainment Marketing

## Human Services

Nutrition & Food Science  
Cosmetology

## Information Technology

Artificial Intelligence  
Computer Science  
Cybersecurity  
Game Design  
Information Support & Services  
Web Development

## Law, Public Safety, Corrections, and Security

Applications of Law  
Firefighting  
Forensic Science

## Manufacturing

Manufacturing  
Mechatronics

## Marketing

Fashion Merchandising & Retail Management  
Marketing & Management  
Communications & Promotions

## STEM

Electronics  
Engineering & Technology

## Transportation, Distribution, and Logistics

Automotive Technology  
Collision Repair—Painting & Refinishing  
Collision Repair—Non-Structural Analysis & Damage Repair  
Distribution & Logistics  
Flight Operations

## CTAE Programs in Middle School

Audio Video Technology and Film I  
Business Management and Finance  
Communications  
Computer Science  
Engineering and Technology  
Examining the Teaching Profession  
Family and Consumer Science

Foundations of Energy Technologies  
Introduction to Business Technology  
Junior Leadership Corps  
Marketing  
Marketing Principles  
Nutrition and Food Science