"Preparing students for College, Career, & Life"

**Pathways**

Your Path, Your Future

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**Cabarrus Tech Early College**

**STEM**

**WHY STEM**

STEM education is more than preparing you to design and build robots, work in a lab, or program computers. **STEM** helps you learn that:

- Math & Science are used to understand the world around us.
- Technology is used to interact with the world around us.
- Engineering is a thinking process used to solve everyday problems in the world around us.

From farming, to writing, to business, all jobs use **STEM** skills to be successful. At Cabarrus Tech, we prepare you to meet the challenges of whatever career you choose.

A place where students know they belong, are challenged every day to be problem-solvers and leaders, and are charged to leave the world better than they found it.

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**Cabarrus Early College of Technology**

(704)260-6750
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Concord • NC • 28027
www.cabarrus.k12.nc.us/cabarrustech
CTE Pathways
For students wanting to jump start their career upon graduation, this pathway provides students with the technical knowledge and skills necessary for a variety of career fields including:

Information Technology
Prepares students to work in the IT fields of software development, information systems, cybersecurity, and networking.

Electronic Engineering Technology
Prepares students to apply basic engineering principles and technical skills in electrical maintenance and management or in the design, planning, construction, development, and installation of electrical systems, machines, and power generating equipment.

Construction Management Technology
Prepares students to supervise, manage, and inspect construction sites, buildings, and associated facilities.

Automotive Light-Duty Diesel Technology
Prepares students to apply technical knowledge and skills to diagnose, adjust, repair, or overhaul light duty diesel vehicles.

Air Conditioning, Heating, & Refrigeration Technology
Prepares students with basic knowledge to develop the skills necessary to work with residential and light commercial HVAC/R systems.

Electrical Systems Technology
Prepares students in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Motorsports Management Technology
Prepares students with the knowledge and skills necessary to perform mid-management level functions in motorsports related companies.

Degree offered:
Associate in Applied Science (AAS)
Some programs offer a transfer program to a college/university. All AAS students earn at least a year of transferrable credit.

How it works
It is our goal to provide a place where students are given the skills necessary to achieve their dreams of college and adapt to an ever-changing world in the future. Our classroom instruction is hands-on and problem solving because we believe that students need to read, write, speak, and think each class, each day.

High school classes consists of English, math, science, and social studies courses. All of the college classes taken count as high school elective credits.

At Cabarrus Tech, you begin taking college classes your 9th grade year with two college classes. Each year you take more college classes and fewer high school ones. By the time you graduate high school you will have also earned an associate degree from college.