



# AUTOMOTIVE TECHNOLOGIES PROGRAM



The automotive technician training program at Montbello Career and Technical High School (MCT) is aligned with the automotive program at Emily Griffith Technical College. MCT's program has three areas of completion that can be done in three trimesters: electrical systems, engine performance and brakes/steering/suspension. Certificates are given for each area at the end of the trimester. This program is designed to simulate a live automotive shop. Students work on both donated and customer automobiles to learn the techniques and procedures needed to repair automobiles. Safety, work ethics, teamwork and related academic skills are taught. Students in the program are eligible for concurrent enrollment with Emily Griffith Technical College.

## COURSE OFFERINGS

### Basic Electrical

- ASE 102 (Intro to Auto)
- ASE 120 (Basic Auto Electricity)
- ASE 123 (Battery)
- ASE 220 (Specialized Electronics Training)
- ASE 221 (Auto/Diesel Body Electrical)

### Brakes and Suspension

- ASE 110 (Brakes I)
- ASE 210 (Auto Power/ABS Brake Systems)
- ASE 140 (Suspension and Steering I)
- ASE 141/240 (Suspension and Steering II)

### Engine Performance

- ASE 132 (Ignition System and Diagnosis and Repair)
- ASE 134 (Autofuel and Emissions Systems I)
- ASE 233 (Auto Fuel Injection and Emissions Systems II)
- ASE 235 (Driveability Diagnosis)
- ASE 236 (Advanced Drivability Diagnosis/Repair)



## INDUSTRY CERTIFICATES

Automotive Service Excellence  
(ASE) Certification (Suspension and Steering, Brakes, Engine Performance, Electrical/Electrical Systems)



## CAREER PATHS AND AVERAGE SALARIES

Automotive Technician  
**\$39,550**

Parts Professional  
**\$46,616**

Collision Tech  
**\$54,842**

Paint Tech  
**\$54,977**

Auto Shop Owner  
**varies**





## MAKER CONNECT

MakerConnect introduces students to the world of advanced manufacturing, construction and the skilled trades that lead to a variety of high-opportunity college and career options.

Students in MakerConnect study a variety of hands-on subjects, including welding, auto mechanics, construction and computer-aided design (CAD). Students also develop effective communication, problem-solving and leadership skills. They may also have the opportunity to receive college credit and industry certifications.

### READY TO ENROLL?

For questions or to begin the enrollment process, contact CTE Pathway Director, **Erik Andersen**, at **720-373-6949** or email [erik\\_andersen@dpsk12.org](mailto:erik_andersen@dpsk12.org).

### CONNECT WITH A MONTBELLO CAREER AND TECH SCHOOL COUNSELOR:

#### Perri Klein

School Counselor  
720-423-7235

[perri\\_klein@dpsk12.org](mailto:perri_klein@dpsk12.org)

#### Sanice Rhea

Social Worker  
720-423-7223

[sanice\\_rhea@dpsk12.org](mailto:sanice_rhea@dpsk12.org)

### CAREER CAPSTONE

Complete a minimum of four semesters (or three courses and a Career Launch Internship) within a Career Pathway with a C or better and earn an industry certification.

### WORK BASED OPPORTUNITIES



#### Xplore Industry Exploration

The Xplore Industry Exploration Program provides a critical real-world exposure to companies in each student's field of study or CareerConnect pathway. DPS students — most in ninth grade — learn about careers available within a particular industry and observe the work performed by people in those careers. They also learn about post-high school educational paths to the careers they observe.



#### Coach Mentoring

Coach Mentoring is an opportunity for high school students, mostly sophomores, to connect with a professional in their field of interest. Students and mentors follow a structured set of activities to help the student envision potential educational and professional paths.

CareerConnect staff match students and mentors and facilitate their meetings, which typically occur monthly and rotate between the student's school and the mentor's workplace. The program helps students to develop critical soft skills and a positive and lasting adult connection in their chosen field.



#### Launch Internships

Launch Internship is designed to give students — typically high school juniors and seniors — a first-hand look at a career they're interested in. Internships can take place over the course of a semester or a summer, and typically last 100 to 120 hours. CareerConnect staff help match students with internships and provide support throughout the experience, including a skills-training class that students take prior to their first day of work. Students may complete more than one internship, either returning to the same workplace or trying a different field.

LEARN MORE [collegeandcareer.dpsk12.org/  
work-based-learning-with-careerconnect](http://collegeandcareer.dpsk12.org/work-based-learning-with-careerconnect)

