



# Mechatronics Pathway

**Dual Enrollment with GNTC** at GNTC's Catoosa Campus

**Instructors: Matthew Sosebee and Brandon Fitzsimmons**

## **Program Description:**

This program provides training in the maintenance of industrial motor controls and prepares students for employment using basic electrical maintenance skills. Topics include industry safety, industrial wiring, DC and AC motors, basic, advanced, variable speed motor controls, and magnetic starters and braking.

## **Credits Earned:**

34 College Credits (Requires use of Hope Grant over 30 hours); 9 High School Credits

## **Career Opportunities:**

Robotics Technician, Instrumentation Technician, Control System Technician, Equipment Technician, Automation Technician, Electromechanical Technician

## **Credentials of Value:**

GNTC Certificates - Industrial Electrician, Industrial Motor Control Technician, Advanced PLC and HMI Technician

## **For More Information Contact:**

Shaneka Hunt, Career Counselor, [shunt.cca@catoosa.k12.ga.us](mailto:shunt.cca@catoosa.k12.ga.us)

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**TCC #1: IE41**  
**Industrial Electrician**

**01**

### **1st Semester**

**DC Circuit Analysis**  
**AC Circuit Analysis**  
**Industrial Wiring**

**TCC #2: IM41**  
**Industrial Motor Control Technician**

**02**

### **2nd Semester**

**Industrial Motor Controls I**  
**Industrial Motor Controls II**

**TCC #3: AP31**  
**Advanced PLC and HMI Technician**

**03**

### **3th Semester**

**Basic Industrial PLC's**  
**Networking Industrial Equipment**

**04**

### **4th Semester**

**Intermediate Industrial PLC's**  
**Industrial Instrumentation**



**Local Partners Hiring Graduates:**

- McKee Foods
- Roper
- Shaw Industries
- Sika Corporation
- Solomax (Propex)

**Salary Potential:**  
**\$35,000 - \$90,000**