ElectroMechanical Systems

Industry Certifications | License
National Institute for Metalworking Skills (NIMS)
- Duty Area 1: Maintenance Operations
- Duty Area 2: Basic Mechanical Systems
- Duty Area 3: Basic Hydraulic Systems
- Duty Area 4: Basic Pneumatic Systems
- Duty Area 5: Electrical Systems
- Duty Area 6: Electronic Control Systems
- Duty Area 7: Process Control Systems
- Duty Area 8: Maintenance Welding

Oklahoma Career Readiness Certification

Quick Facts
Average Salary: $18.00-$25.00/hr
Students: Adult & High School
Campus: Drumright
Times: Morning, Afternoon, Full Day

Scheduling Information
Drumright: 8:25am – 11:15am
12:45pm – 3:35pm 8:25am – 3:35pm
High school students attend morning or afternoon. Adults can choose from morning, afternoon or all day. Restrictions apply. Most classes follow the traditional August – May schedule. Ask about classes with Controlled Entry/Exit Options.

Entrance Requirements
Enrollment is open to in-district adults and high school juniors and seniors.

Application Process
Applications are available online at www.CentralTech.Edu, on Central Tech campuses and high schools in our district. Return completed application to a Central Tech Recruiter or high school counselor. Additional information may be required.

Financial Aid
Financial aid is defined as any grant, part-time employment, scholarship, or other federally funded program. Students with financial need may be eligible - applies to career majors of 600 hours or more. Central Tech Federal School Code: 00996
Application for Federal Student Aid (FAFSA) www.fafsa.ed.gov.

College Connection
Get specific college connection information by contacting the college credit advisor.

Career Majors
ElectroMechanical Technician
This career major is designed for individuals seeking careers in maintenance in a manufacturing environment. This is the basics of the maintenance manufacturing curriculum. The course covers safety, manufacturing fundamentals, tools, basic electricity, basic electronics, motor controls, PLC programming, process control, and adapting to the workforce's skills.

Class Time by hours | 1050 clock hours
30  FUNDAMENTALS OF MANUFACTURING
10  INTRODUCTION TO MANUFACTURING TECHNOLOGY – MACHINE TOOL
40  MAINTENANCE TOOLS & EQUIPMENT IN MANUFACTURING
30  SAFETY IN MANUFACTURING
100 MECHANICAL POWER TRANSMISSION THEORY & PRINCIPLES
190 FLUID POWER THEORY & POWER TRANSMISSION PRINCIPLES
20  ALTERNATIVE CURRENT CIRCUITS
30  BASIC ELECTRICAL THEORY
20  DIRECT CURRENT CIRCUITS
15  ELECTRICAL DISTRIBUTION
10  ELECTRICAL SCHEMATIC & BLUEPRINT READING
20  ELETROMECHANICAL DEVICES & APPLICATIONS
10  INDUSTRIAL ELECTRICITY
10  MOTOR THEORY & OPERATIONS
10  INDUSTRIAL ELECTRONICS
15  VARIABLE FREQUENCY DRIVES
15  PROGRAMMABLE CONTROLLER INTERFACING
30  PROGRAMMABLE CONTROLLER PROGRAMMING
30  HUMAN MACHINE INTERFACES
30  MICROPROCESSOR INSTRUMENTATION
20  CONTROL TROUBLE SHOOTING
30  CONTROLLOGIX SYSTEMS
20  DIGITAL ELECTRONICS FOR MANUFACTURING MAINTENANCE
70  INSTRUMENTATION & CONTROL I
70  PRINCIPLES OF WELDING & MANUFACTURING MAINTENANCE
30  INDUSTRIAL NETWORKING
30  WORKFORCESTAGING
115 CAPSTONE & WORKFORCE STAGING

Tuition: $1575 | Fees: $137 | Books & Supplies: $1041.50 | Cost: $2064.65
*Optional Supplies: $425

*Career Major costs are subject to change.