

# **TSTC FAST Trac<sup>SM</sup> Industrial Maintenance Technician Accelerated Training**

## **MODULE 1: Basic Mechanical Systems Level I (160 hours)**

Shop essentials

Shop safety

Mechanical systems – Part 1

Mechanical systems – Part 2

Rigging

Introduction to Electrical Wiring/Systems

### **Learning Objectives:**

**Trainees will become proficient in the areas of mechanical systems, wiring and basic wiring.**

**TSTC Certificate of Completion**

## **MODULE 2: Advanced Mechanical Systems Level II (160 hours)**

Shop safety

Introduction to Electrical Wiring/Systems

Pneumatic Systems – Part 1

Pneumatic Systems – Part 2

Hydraulic Systems – Part 1

Hydraulic Systems – Part 2

### **Learning Objectives:**

**Trainees will receive advanced instruction and hands-on training in the areas of safety, mechanical, pneumatic and hydraulic systems.**

**TSTC Certificate of Completion**

### **MODULE 3: Electrical and Motor Control Systems Level III (160 hours)**

Shop Safety

Electrical Theory and Application Systems – Part 1

Electrical Theory and Application Systems – Part 2

Electrical Theory and Application Systems – Part 3

Basic Motor Controls

#### **Learning Objectives:**

**Trainees will receive advanced instruction and hands-on training in the areas of safety, electrical and basic motor control systems.**

**TSTC Certificate of Completion**

### **MODULE 4: Programmable Logic Controller (PLC) and Robotics Level IV (160 hours)**

Shop Safety

Introduction to Motor Controls

Basic PLC

Allen Bradley PLC Control

Robotics – Part 1

Robotics – Part 2

Quality Systems

Maintenance Strategies

#### **Learning Objectives:**

**Trainees will receive instruction and hands-on training in the areas of safety, programmable logic controller and robotics systems.**

**TSTC Certificate of Completion**