



# TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

PULASKI

1233 East College Street, Pulaski, TN 38478  
931-424-4014 www.tcatpulaski.edu

## INDUSTRIAL MAINTENANCE TECHNOLOGY (EVENING PROGRAM)

**Career Training**  
 Administrative Office  
 Technology  
 Advanced Manufacturing  
 Education  
 Building Construction  
 Technology  
 CNC Machining Technology  
 Computer Operating Systems  
 and Network Technology  
 Electrical and Plumbing  
 Construction Technology  
 HVAC/R  
 Industrial Electricity  
 Industrial Maintenance  
 Technology  
 Patient Care Technology/  
 Medical Assisting  
 Pharmacy Technology  
 Practical Nursing  
 Residential/Commercial  
 Wiring and Plumbing  
 Welding Technology

**Campus Locations**  
 Lawrenceburg Instructional  
 Service Center  
 North Lawrence Instructional  
 Service Center  
 South Lawrence Instructional  
 Service Center

The mission of the Industrial Maintenance Technology Program is to train students with the broad range of skills to compete in today's technological environment as a multi-craft maintenance technician. Trainees learn the fundamentals of electricity, welding, and mechanical. Students are being trained for work with electrical motor control, automated machine control, circuits, conveyors, pumps, pneumatic and hydraulic systems, test equipment, production equipment (electrical, electronic, and mechanical), welding, plastics and injection molding, programmable controllers and automation, and heating and air conditioning. In the last phase of the course, students combine all their newly acquired skills in overall systematic troubleshooting and interfacing systems to qualify for an Industrial Maintenance Technician Diploma.

### Employment Opportunities:

- Manufacturing Industries
- Industrial Maintenance
- Welding Industries

### Program Instructor:

Dennis Tindell  
 dennis.tindell@tcatpulaski.edu  
 931-424-2431  
 Josh Hughes, Colby Bosheers  
 Shane Boyd

### ENROLLMENT INFORMATION

Classes Offered:	Part-Time: Monday through Thursday - 4 - 9:30 pm 3 - 8:30 pm, or 3 - 10 pm.
Program Length:	1728 Hours (5 Trimesters)
Program Location:	Pulaski Main Campus 1233 East College St., Pulaski, TN 38478
Program Cost including Tuition, Fees plus Books/Supplies	\$1,203 per trimester x 5 trimesters=6,015 \$2,528.30 Book/Supplies; Total cost: \$8,543.30 *These costs are subject to change.
Requirements:	Complete the Admissions Process Checklist
Financial Aid:	Available to those who qualify
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website: www.tcatpulaski.edu	

Tennessee College of Applied Technology-Pulaski does not discriminate on the basis of race, color, religion, creed, ethnic or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding nondiscrimination policies: Mike Whitehead; mike.whitehead@tcatpulaski.edu; P.O. Box 614; Pulaski, TN 38478; 931-424-2420.

## IMT Evening Course Outline

<b>First Trimester (Module I)</b>	
Worker Characteristics	6 Hours
Orientation, Safety, Alcohol Edu & Haven Training	6 Hours
Technology Foundations	24 Hours
Electrical Safety	20 Hours
Related Math for Electricians	60 Hours
Electrical Principles	134 Hours
Digital Multimeter Principles	60 Hours
Printreading for Electro-Mechanical Systems	122 Hours
<b>First Trimester (Module I) Electrician Helper Certificate</b>	<b>432 Hours</b>
<b>Second Trimester (Module II)</b>	
Worker Characteristics	6 Hours
Introduction to Robotics	44 Hours
Electrical Motor Control Systems	194 Hours
Program Logic Control Concepts	188 Hours
<b>Second Trimester (Module II) Programmable Logic Controller Helper Certificate (C2)</b>	<b>864 Hours</b>
<b>Third Trimester (Module III)</b>	
Worker Characteristics	6 Hours
Welding Safety	6 Hours
Basic Blueprint Reading	36 Hours
Oxyacetylene Cutting & Welding	18 Hours
Basic GMAW and SMAW	150 Hours
<b>Third Trimester (Module III) Gas Metal Arc Welding Helper Certificate (C4)</b>	<b>216 Hours</b>
<b>Third Trimester (Module III)</b>	
Industrial Safety	18 Hours
Basic Industrial Mechanics	30 Hours
Basic Industrial Hydraulics	30 Hours
Basic Industrial Pneumatics	18 Hours
Introduction to Electrical Motor Control	18 Hours
Machining Operations (Lathe and Mill)	42 Hours
Troubleshooting Mechanical Systems	60 Hours
<b>Third Trimester (Module III) Mechanical Technician Helper Certificate (C3)</b>	<b>216 Hours</b>
<b>Completion of modules I, II, &amp; III=Electro-Mechanical Maintenance Diploma (1296 Hours)</b>	<b>1296 Hours</b>

For More Information Please Contact  
 Student Services Department  
 P.O. Box 614, Pulaski, TN 38478  
 931-424-4014

Accredited Member  
 Commission of the Council on  
 Occupational Education  
 7840 Roswell Road, Building 300 Suite 325  
 Atlanta, GA 30350  
 Phone: (770) 396-3898 \* (800) 917-2081

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## IMT Evening Course Outline

<b>Fourth Trimester (Module IV)</b>	
Worker Characteristics	6 Hours
OSHA 10	10 Hours
Safety	24 Hours
Refrigeration Fundamentals	100 Hours
Tools Equipment and Shop Practices	30 Hours
Electricity and Controls	130 Hours
Installation	76 Hours
Green Awareness	14 Hours
Employment Readiness Exam	12 Hours
EPA	30 Hours
<b>Industrial Maintenance Technician/HVAC Diploma (DPI)</b>	<b>1728 Hours</b>

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