



TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

PULASKI

1233 East College Street, Pulaski, TN 38478

931-424-4014 www.tcatpulaski.edu

INDUSTRIAL MAINTENANCE TECHNOLOGY (EVENING PROGRAM)

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

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
 Northfield Instructional Service Center
 South Lawrence Instructional Service Center

ENROLLMENT INFORMATION

Classes Offered:	Part-Time: Monday through Thursday - 4 - 9:30 pm 3 - 8:30 pm, 3 - 10 pm or 4:30 - 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	\$1,181 per trimester x 5 trimesters=5,905 \$2,528.30 Book/Supplies; Total cost: \$8,433.30 *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

First Trimester (Module I)	
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
First Trimester (Module I) Electrician Helper Certificate	432 Hours
Second Trimester (Module II)	
Worker Characteristics	6 Hours
Welding Safety	6 Hours
Basic Blueprint Reading	36 Hours
Oxyacetylene Cutting and Welding	18 Hours
Basic GMAW and Flux Core	150 Hours
Second Trimester (Module II) Gas Metal Arc Welding Helper Certificate	648 Hours
Second Trimester (Module II)	
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
Second Trimester (Module II) Mechanical Technician Helper Certificate	864 Hours

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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

IMT Evening Course Outline

Third Trimester (Module III)	
Worker Characteristics	6 Hours
Introduction to Robotics	44 Hours
Electrical Motor Control Systems	194 Hours
Programmable Logic Controllers Concepts	188 Hours
Third Trimester (Module III) Programmable Logic Controller Helper Certificate	
Completion of modules I II & III = Electro-Mechanical Maintenance Diploma (1296 Hours) Diploma	1296 Hours

Fourth Trimester (Module IV)	
Worker Characteristics	6 Hours
OSHA 10	10 Hours
Shop 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 (must pass EPA certification exam)	30 Hours
Fourth Trimester (Module IV) HVAC Mechanic Assistant Certificate	432 Hours
Industrial Maintenance Technician Diploma	1728 Hours

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