



# TENNESSEE COLLEGE OF APPLIED TECH PULASKI

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

## Career Training

Administrative Office  
Technology  
Automation, Process &  
Production Systems  
Basic Dental Assisting  
Building Construction  
Technology  
CNC Machining Technology  
Computer Operating Systems  
Networking & Cybersecurity  
Criminal Justice: Correctional  
Officer  
Electrical and Plumbing  
Construction Technology  
Heating, Ventilation, Air  
Conditioning and Refrigeration  
Industrial Electricity  
Industrial Maintenance  
Technology  
Patient Care Technology/  
Medical Assisting  
Pharmacy Technology  
Practical Nursing  
Residential/Commercial  
Wiring and Plumbing  
Welding Technology

## Training Locations

Main Campus (Pulaski, TN)  
Lawrence County Instructional  
Service Center  
Lawrenceburg Instructional  
Service Center  
North Lawrence Instructional  
Service Center  
South Lawrence Instructional  
Service Center

# 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, Andrew Hughes  
Shane Boyd

## ENROLLMENT INFORMATION

Classes Offered:	Part-Time: Monday through Thursday - 3:00-8:30 pm, 3:30-9:00 pm, or 4:00-9:30 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	\$1,330 per trimester x 5 trimesters=\$ 6,650 \$2,770 Book/Supplies; Total cost: \$9,420.00* *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: <a href="http://www.tcatpulaski.edu">www.tcatpulaski.edu</a>	

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: Christa Williams, VP Student Services; christa.williams@tcatpulaski.edu; 931-424-2404; P.O. Box 614; Pulaski, TN 38478.

## IMT Evening Course Outline

<b>First Trimester (Module I)</b>	<b>Hours</b>
Worker Characteristics	6
Orientation, Safety, Alcohol Edu & Haven Training	6
Technology Foundations	24
Electrical Safety	20
Related Math for Electricians	60
Electrical Principles	134
Digital Multimeter Principles	60
Printreading for Electro-Mechanical Systems	122
<b>First Trimester (Module I) Electrician</b>	<b>432</b>

<b>Second Trimester (Module II)</b>	<b>Hours</b>
Worker Characteristics	6
Introduction to Robotics	44
Electrical Motor Control Systems	194
Program Logic Control Concepts	188
<b>Second Trimester (Module II) Programmable Logic Controller Helper Certificate (C2)</b>	<b>864</b>

<b>Third Trimester (Module III)</b>	<b>Hours</b>
Worker Characteristics	6
Welding Safety	6
Basic Blueprint Reading	36
Oxyacetylene Cutting & Welding	18
Basic GMAW and SMAW	150
<b>Third Trimester (Module III) Gas Metal Arc</b>	<b>216</b>

<b>Third Trimester (Module III)</b>	<b>Hours</b>
Industrial Safety	18
Basic Industrial Mechanics	30
Basic Industrial Hydraulics	30
Basic Industrial Pneumatics	18
Machining Operations (Lathe and Mill)	60
Troubleshooting Mechanical Systems	60
<b>Third Trimester (Module III) Mechanical Technician Helper Certificate (C3)</b>	<b>216</b>
<b>Completion of modules I, II, &amp; III=Electro-Mechanical Maintenance Diploma (1296 Hours)</b>	<b>1296</b>

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

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

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