

MANUFACTURING

ELECTRICAL & INSTRUMENTATION TECHNOLOGY 1 **1000 HOURS**
 Program # J110100 **33 Weeks**
 CIP # 0615.040401

PELL ELIGIBLE

PROGRAM DESCRIPTION:

The Electrical & Instrumentation Technology program prepares students for a career in the industrial field. Industrial firms now use automation practices requiring highly programmed electronic equipment that frequently requires maintenance and troubleshooting. Electrical & Instrumentation Techs troubleshoot, repair and maintain the various parts needed to keep electronic machinery running smoothly and effectively.

OCCUPATION DESCRIPTION:

Install, maintain industrial equipment, install & troubleshoot facility electrical circuits from service entrance to convenience outlets, use basic electrical and instrumentation drawings, perform preventive & corrective maintenance on basic electrical power & control components, use electrical test equipment and hydraulic & pneumatic systems, identify the basic principles and terminology of process control, identify the primary components of a process control system, use instrumentation installation techniques and programmable logic controllers (PLC's).

STRUCTURE:

The following table illustrates the **PSAV** program structure:

| COURSE # | OCP | COURSE DESCRIPTION | HOURS | Resident Tuition | Differential Tuition | Non-Resident Tuition |
|----------|-----|----------------------------|-------------|------------------|----------------------|----------------------|
| EEV0650 | A | Electrician (Construction) | 350 | \$1,010.00 | \$ 1,055.00 | \$3,837.00 |
| EEV0652 | B | Instrument Mechanic | 350 | \$1,010.00 | \$ 1,055.00 | \$3,837.00 |
| EEV0654 | C | Electrician Maintenance | 300 | \$864.00 | \$ 903.00 | \$3,288.00 |
| | | TOTAL | 1000 | 2,884.00 | \$3,013.00 | \$10,962.00 |

| Additional Costs: | Resident | Differential | Non-Resident |
|----------------------------------------|-------------------|--------------------|--------------------|
| Registration Fee | \$10.00 | \$10.00 | \$10.00 |
| Approximate Books/Supplies | \$710.00 | \$710.00 | \$710.00 |
| OSHA Card Fee | \$8.00 | \$8.00 | \$8.00 |
| Approximate Total Program Cost: | \$3,612.00 | \$ 3,741.00 | \$11,690.00 |

PROGRAM REQUIREMENTS:

AGE: **16 years or older**

DIPLOMA: N/A

BASIC SKILLS REQUIREMENT/TABE MINIMUM: MATH **11.0 /657** LANGUAGE **10.0/608** READING **10.0/597** or meet other Basic Skills Requirements

Must be able to lift 50 lbs. and climb a ladder

Industry Certification:

OSHA - \$8.00; NCCER Industrial Maintenance Electrical and Instrumentation Technician Level 1 & 2
NCCER Level Exam Fee per level– Initial Fee \$3.00 per test w/3.00 retake fee
Certified Production Technician (CPT) through the Manufacturing Skill Standards Council (MSSC)
 Other testing fees may apply

Advisory Salary Range: **\$20,800 - \$62,400**
Florida Panhandle: **\$26,400 - \$54,800**
PH Average **\$38,840**
State Average: **\$37,900**
National Average: **\$50,500**

LIVE WORK FEES:

Shop Fees:
 \$35.00 Work Order Fee
 Materials plus 10%
 + 7% sales tax

Program Completion Rate: NEW - Program Placement Rate: NEW - Program Certification Pass Rate: NEW