

Electrical & Instrumentation Technology 1



CHIPLEY, FL www.FPTC.edu

Toll Free: 855-345-9482 or 850-638-1180

MANUFACTURING

ELECTRICAL & INSTRUMENTATION TECHNOLOGY 1

1000 HOURS

PELL ELIGIBLE

Program # J110100

33 Weeks

2020 CIP# 150404

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-\$3 per test/retake.
Purchased individually or by bulk course block.
Other testing fees may apply
Certified Production Technician (CPT) through the Manufacturing Skill Standards Council (MSSC)
Other testing fees may apply

LIVE WORK FEES:

Shop Fees:

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

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

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

The mission of the Florida Panhandle Technical College is to provide students with instruction in academic and technical training at competency levels, or above those required for employment and advancement in existing or potential occupational fields.