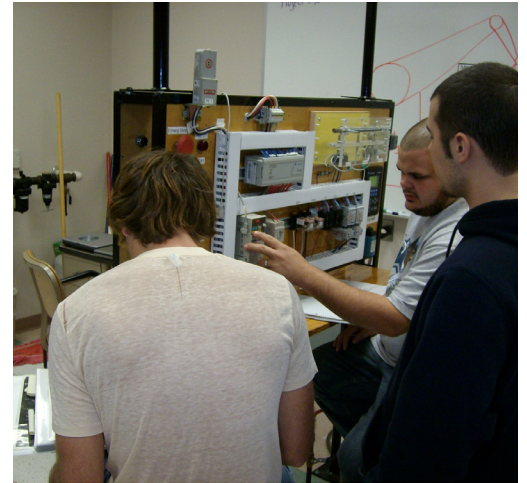
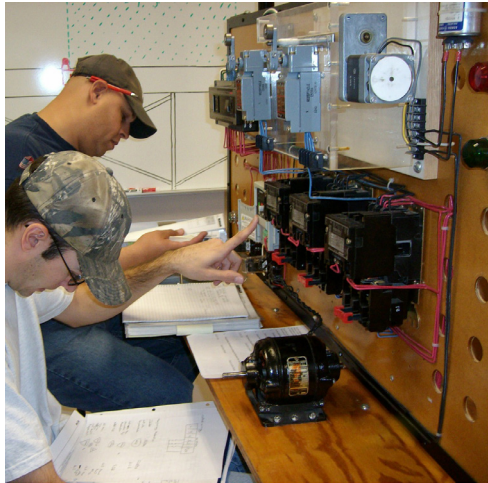




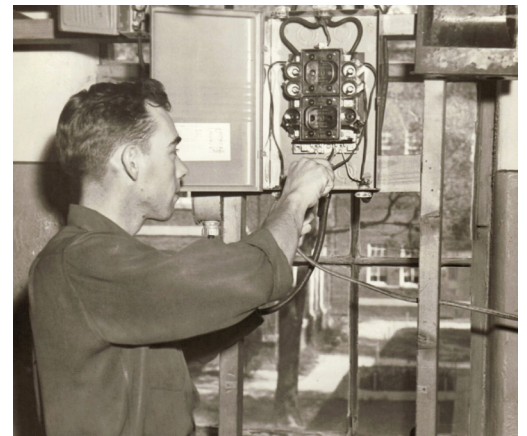
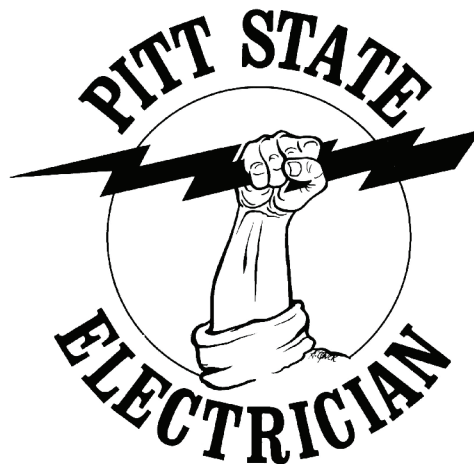
Pittsburg State University
COLLEGE OF TECHNOLOGY
ELECTRICAL TECHNOLOGY

- Associate of Applied Science or
- Technical Certificate



PITTSBURGH STATE

TRADITION



TRAINING ELECTRICIANS FOR OVER 65 YEARS

School of Construction • Electrical Technology
(620) 235-6555 www.pittstate.edu/construction



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Program Overview

The electrical industry offers a wide array of career opportunities for the well-trained electrician or electrical technician. The Pittsburg State University Electrical Technology program will provide you in-depth training for each of the three broad areas of the electrical industry. These areas include:

- Residential Electrical Wiring
- Commercial Electrical Construction
- Industrial Electrical Construction and Maintenance

From wiring a residential single-family home, to installing the large switchgear, conduits, wiring and data systems in a multi-million dollar commercial building, to the system installation, analysis, design, and troubleshooting of an industrial automated control system with Programmable Logic Controller's, Variable Frequency Drives's and robotics, program graduates are prepared for a wide range of employment opportunities.

The Electrical Technology Program is a 2-year "hands-on" technical program with emphasis given to preparing graduates to become certified electricians by attaining Journeyman Electrical Certification.

The outlook for careers in the electrical field is very good and has been for a number of years. The average electrician is in their late 50's and has or will soon be retiring. The lack of skilled electrical workers to replace them has caused a severe shortage in the marketplace.

Potential Employment Job Titles

- Residential, Commercial or Industrial Electrician
- Maintenance Electrician
- Electrical/Electronic Technician
- Utility Lineman
- Electrical Designer (Engineering)

Typical Starting Salaries

A typical starting salary can be between \$15.00 to \$28.00 per hour depending on which area the student enters (residential, commercial, industrial) their level of job experience, and the area of the country where they work.

Typical starting salary for the immediate area is \$16.00 - \$25.00 per hour. Salaries are significantly higher in the larger metropolitan areas like Kansas City, MO, Wichita, KS and Tulsa, OK.

Companies Recently Hiring

- Leggett & Platt
- Masonite (Premdor) Industries
- Empire District Electric Utility
- Western Resources Utility (Westar) (KG&E)
- Barton County Electric Utility
- Heartland Rural Electric Cooperative
- Kansas City Power & Light (KCP&L)
- Tamko Industries
- Via Christi Medical Center
- BNSF Railroad
- Modine Manufacturing
- Benchmark Engineering Group
- Interstates Electric & Engineering (National & International)
- Target Stores Distribution Center's
- JC Pennys Distribution Center
- American Eagle Outfitters Distribution Center
- Pittsburg State University Building Maintenance
- Fort Scott Community College Building Maintenance
- Comfort Contractors
- Liebert Brothers Electric
- Zimmerman Electric
- Touchton Electric
- Seward Electric Inc
- BEI - (Bill's Electric Inc)
- Atkinson Industries
- Nubury Electric
- Numerous USD School District Building Maintenance Departments
- EPOC / Division of Tamko
- All Sections of the US Armed Forces (Electrical Logistics Operations)
- Parsons Group (National Federal Defense & Aerospace Contractor)
- Monarch Cement
- Master Electric (Northwest Arkansas)
- Wachter Electric Group (Kansas City Area)
- PepsiCola
- CDL Electric
- Oilfield Construction & Maintenance Services
- Ward/Kraft
- SKCE (South Kansas City Electric)
- 3M Manufacturing
- La-Z-Boy Midwest
- Vinylplex
- Garmin International
- PostRock Midcontinent
- Eagle Picher Technologies
- Controls & Electric Motors
- Donco Electric
- Tradesman International
- Colburn Electric
- Ash Grove Cement

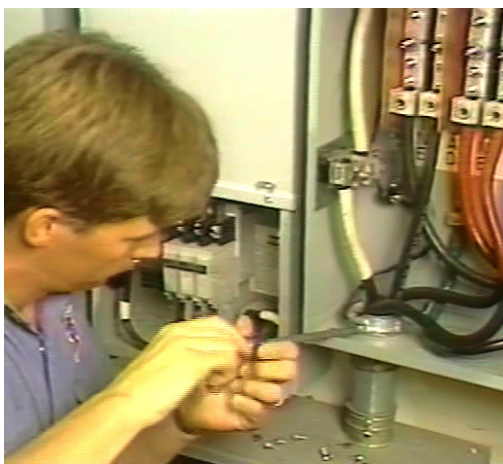
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ELECTRICAL TECHNOLOGY

Suggested Schedule for Technical Certificate

1ST SEMESTER		HOURS
ET 181	Residential Wiring Methods	5
ET 182	Residential Wiring Methods Laboratory I	3
ET 183	Fundamentals of Electricity	3
ET 184	Special Project	2
		13
2ND SEMESTER		
ET 185	Electrical Machinery and Equipment	5
ET 186	Electrical Machinery and Equipment Laboratory I	3
ET 187	Electrical Estimating and Blueprint Reading	3
ET 188	Special Project	2
		13
SUMMER SESSION		
ET 299	Cooperative Industrial Training (Electrical Internship)	6
		6
3RD SEMESTER		
ET 282	Motor Control Fundamentals	5
ET 283	Motor Control Fundamentals Laboratory I	3
ET 284	National Electrical Code	3
ET 285	Special Project	2
		13
4TH SEMESTER		
ET 286	Industrial and Commercial Wiring Method	5
ET 287	Industrial and Commercial Wiring Methods Laboratory I	3
ET 288	Journeyman Electrical Certification	3
ET 289	Special Project	3
		14
TOTAL HOURS FOR ASSOCIATE'S DEGREE		59



- Associate of Applied Science or
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Pittsburg State University
COLLEGE OF TECHNOLOGY
ELECTRICAL TECHNOLOGY

Suggested Schedule for Associate's Degree

1ST SEMESTER		HOURS
ET 181	Residential Wiring Methods	5
ET 182	Residential Wiring Methods Laboratory I	3
ET 183	Fundamentals of Electricity	3
ET 184	Special Project	2
ENGL 101	English Composition	3
		16
2ND SEMESTER		
ET 185	Electrical Machinery and Equipment	5
ET 186	Electrical Machinery and Equipment Laboratory I	3
ET 187	Electrical Estimating and Blueprint Reading	3
ET 188	Special Project	2
COMM 207	Speech Communication	3
MATH 113	College Algebra or	3
	Approved General Education Elective* (*see note below)	
		19
SUMMER SESSION		
ET 299	Cooperative Industrial Training (Electrical Internship)*	6
		6
3RD SEMESTER		
ET 282	Motor Control Fundamentals	5
ET 283	Motor Control Fundamentals Laboratory I	3
ET 284	National Electrical Code	3
ET 285	Special Project	2
PSYCH 155	General Psychology or	3
POLS 101	U.S. Politics or	
PHIL 208	Logic and Critical Thinking	
		16
4TH SEMESTER		
ET 286	Industrial and Commercial Wiring Method	5
ET 287	Industrial and Commercial Wiring Methods Laboratory I	3
ET 288	Journeyman Electrical Certification	3
ET 289	Special Project	3
MGMKT 101	Introduction to Business or	3
ACCTG 201	Financial Accounting or	
CIS 130	Computer Information Systems or	
ECON 191	Issues in Today's Economy	
		17
TOTAL HOURS FOR ASSOCIATE'S DEGREE		74

**Note: It is suggested that a student take two general education classes in their 1st or 2nd semester thus eliminating the need to take one during the summer so they can work full time "on the job".*