

# SAN JACINTO COLLEGE NORTH - Dual Credit

## Electrical Technology

Electrical Technology is taught on the North campus and the Central campus.

The electrical technology curriculum is designed to provide basic training for students to fill entry-level positions in the fields of construction, maintenance, design, marketing, residential, industrial, commercial, and other electrical related industries.

There are three levels for someone going into electrical technology; Apprentice, Journeyman, and Master Electrician. Anyone off the street can apply to become an **Apprentice** and pay an annual fee of \$20. Students are encouraged to do this. **Journeyman** must complete 8,000 contact hours of training/experience. Students getting a degree will have completed about 1,200 to 1,500 hours toward that goal. After completing the 8,000 they can then take the test to become a Journeyman. To become a **Master Electrician** will require an additional 4,000 contact hours of training/experience under a Master Electrician; and then can take the test to become licensed.

San Jacinto College North is a registered Electrical Apprenticeship program with the Texas Department of Licensing and Regulation. (TDLR)

**Occupational Certificate:** The electrical technology occupational certificate program is designed to provide students with entry level skills in the fields of construction, maintenance, design, marketing residential, commercial, and other related industries.

Electrical Technology Occupational Certificate			
Junior Year			
Fall		Spring	
CETT 1302	Electricity Principles	ELPT 1429	Residential Wiring
ELPT 1325	National Electric Code I	ELPT 1345	Commercial Wiring
ELPT 1215	Electrical Calculations I		
ELPT 2215	Electrical Calculations II		
Senior Year			
Fall		Spring	
ELPT 1357	Industrial Wiring	ELPT 1351	Electrical Machines
ELPT 2301	Journeyman Electrician Exam Review	ELPT 1441	Motor Control
ELPT 2325	National Electric Code II		

**Scholarships:** North Shore Rotary: the department gets one \$1,000 scholarship in the fall and spring.

**Job Demand:** From 2014 to 2024 the demand for electricians will increase by 14% (much faster than average).  
<https://www.bls.gov/ooh/construction-and-extraction/electricians.htm>

**Entry Level Pay:** \$44,374 per year (in Gulf Coast Region)

**Average Mean Pay:** \$48,245 per year (in Gulf Coast Region)

[as of January of 2017] [www.texaswages.com](http://www.texaswages.com)

High school dropouts will make minimum wage (\$7.25 in 2017); or about \$15,080 per year.

**Experienced Pay:** \$58,263 per year (in Gulf Coast Region)

**Costs:** For students taking five courses in one semester. (Occupational Certificate)

One Semester / Full-Time Student				quantity	Total
Tuition	at	\$50.00	per semester credit hour.	15	\$750.00
General Services Fee		\$150.00	per semester	1	\$150.00
Lab Fee	at	\$64.00	per semester.	1	\$64.00
Course Fee	at	\$7.00	per course	5	\$35.00
Books	at	\$175.00	per course	4	\$700.00
Total Estimate: ELPT 1215, CETT 1302, ELPT 1325, ELPT 1345, ELPT 1429					<b>\$1,699.00</b>
Notes:	1)	Tools and Misc. Supplies		\$159	

<b>Instructors:</b>	<b>Mike Elder</b>	<b>Kyle Yordy</b>
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All instructors are required to have a degree and at least three years of industry experience.

Mr. Elder is the best person to contact for information about the electrical technology program.

**This program moves into the new Center for Industrial Technology in March of 2017.**