

Manufacturing, Transportation & Industrial Technology

GUIDED PATHWAY: ELECTRICAL TECHNOLOGY (Certificate)

Industrial and Electronic Technologies Department



Electrical Technology: The Industrial Technology Department is committed in providing comprehensive educational services and training in the latest technology to provide the necessary skills and knowledge to obtain successful entry level employment in the Electrical Technology field. This program is an intensive one-year certificate program that offers classroom instruction and practical experience in electrical labs in three main areas of residential, commercial and industrial electrical competencies.

This is an example course sequence for students interested in pursuing a certificate in Electrical Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Journeyman Electrician Assistant Certificate (C2) or Electrician Helper Certificate (C1). For official degree requirements, [click here](#).¹

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS²

SEMESTER 1				ACTION ITEMS
C2	C1		SEMESTER 1	
◆	◆		ELPT 1321 Introduction to Electrical Safety and Tools	Apply for the Electrician Helper Certificate
◆	◆		ELPT 1325 National Electrical Code 1	
◆	◆		ELPT 1311 Basic Electrical Theory	
◆	◆		ELPT 1315 Electrical Calculations 1	
◆	◆		ELPT 1429 Residential Wiring	
TOTAL SEMESTER CREDIT HOURS: 16				
SEMESTER 2				ACTION ITEMS
C2	C1		SEMESTER 2	
◆			ELPT 1345 Commercial Wiring	Apply for the Journeyman Electrician Assistant Certificate Sign up for commencement
◆			RBPT 2345 Onsite Power Generation & Renewable Energy	
◆			ELPT 2337 Electrical Planning and Estimating	
◆			ELPT 1341 Motor Controls	
◆			ELPT 1281 Cooperative Education Electrical Power Trans	
TOTAL SEMESTER CREDIT HOURS: 14				
SEMESTER 3				ACTION ITEMS
C2	C1		SEMESTER 3	
◆			ELPT 1457 Industrial Wiring	Apply for the Journeyman Electrician Assistant Certificate Sign up for commencement
TOTAL SEMESTER CREDIT HOURS: 4				
SEMESTER CREDIT HOURS/PATHWAY TOTAL: 34 SEMESTER CREDIT HOURS				

^{1.} Degree plans may change in later catalogs. Be sure to consult with your advisor if you are continuing on an older degree plan.

Certification and Licensure Information

An Electrical Program graduate should complete a total of 8,000 hrs. of work to become eligible for Journeyman's Electrician License.

Career Information

Common Job Titles

Electrician Helper

Journeyman Electrician

Master Electrician

Regional Labor Market Information

New workers usually start around \$12.00 Per/hr. Normal pay for Electrician Helper, While highly experienced workers can earn as much as \$30.00 Per/hr in this area.

Career and labor market research tools

Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O*NET: <https://www.onetonline.org/>

Career Resources: Laredo College career services website provides information on career exploration and employment. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an LC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

webpage http://www.laredo.edu/cms/LCC/Student_Services/Student_Success_Center/Student_Success_Center_2018/Academic_Advising/Career_Exploration_Services/ for the *career advising and jobs*.