

ELECTRICAL MAINTENANCE (CERTIFICATE)

Manufacturing and Construction

Program website (<https://www.harpercollege.edu/academics/manufacturing/electronics-engineering/electrical-maintenance-certificate.php>)

Program Overview

This 8 credit-hour certificate program is designed to prepare students for careers in the field of electrical installation and service, and other related facilities or industrial electronics maintenance areas. The curriculum is tailored to provide entry-level career training in the least amount of time. Emphasis is placed on equipment operation, application, installation and servicing. Courses specific to instruction include: basic electricity and electronics, residential or commercial electrical wiring and codes, and basic automation systems. Topics within these courses involve: practical electrical concepts and measurements, electrical wiring, and an introduction to programmable logic controllers.

Students completing this program may find employment as electrical technicians, electrician apprentices, electricians, and facilities or plant maintenance technicians.

Students may also continue their education by pursuing an Associate in Applied Science degree. Students considering this option are encouraged to meet with the Program Coordinator and an academic advisor prior to beginning the program, and also when planning their schedule each semester.

Program Requirements

Code	Title	Hours
Required		
ELT 110	Introductory Electronics	4
ELT 140	Introduction to Programmable Logic Controllers	2
ELT 142 or ELT 143	Residential Wiring Commercial Wiring	2
Total Hours		8

Gainful Employment

Non-financial aid eligible program.