

ELECTRONICS (CERTIFICATE)

Manufacturing and Construction

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

Program Overview

This 16 credit-hour certificate program is designed to prepare students for careers in the field of electronics and other related technology industries. The curriculum is very flexible as it allows students to choose from a number of electronics courses in many diverse technology areas and is tailored to provide entry-level career training in a relatively short time. A broad range of electronics courses provides considerable emphasis on analysis, operation, application, installation and servicing. Because most courses have prerequisites, students should consult with the Program Coordinator prior to enrolling.

Students completing this program may find employment in various entry-level positions in technical sales, manufacturing and quality control, and customer service.

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
Electives		
Choose any combination of 16 credit hours with Program Coordinator approval:		16
ELT 101	DC Network Analysis	
ELT 102	AC Network Analysis	
ELT 110	Introductory Electronics	
ELT 111	Semiconductor Devices and Circuits	
ELT 203	Digital Electronics	
ELT 207	Communications Systems	
ELT 215	Industrial Control Systems	
ELT 218	Embedded Microcontroller/Microprocessor Systems	
ELT 281	Topics in Electronics Engineering Technology	
Total Hours		16

Gainful Employment

Harper College provides Gainful Employment information to comply with the U.S. Department of Education.