ELECTRONIC ENGINEERING TECHNOLOGY - APPLIED ELECTRONICS, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6309

Effective May 2025

Division of Engineering, Business and Information Technologies (http://catalog.lorainccc.edu/academic-programs/engineering-business-information-technologies/)

The one-year technical certificate in electronic engineering technology in applied electronics is structured to provide a student with an application-oriented, electronic/electrical background, hands-on laboratory experience and the use of standard and specialized test equipment. The relevant knowledge, the skills that industry needs today and the competencies that are integrated into the curriculum are intended to prepare the graduate for an entry-level position or an internship in the field of electronics. Every course in the one-year technical certificate program can be applied to the two-year associate of applied science degree in electronic engineering technology – applied electronics major. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

Preferred Sequence

Fall Semester		**Hours**
ELCT 111	ELECTRICAL CIRCUITS I	3
ELCT 115	FABRICATION PROCESS FOR ELECTRONICS	2
ENGL 161	COLLEGE COMPOSITION I	3
MTHM 155	TECHNICAL MATHEMATICS I	4
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY [2]	1
TECN 111	TECHNICAL PROBLEM SOLVING	3
	Hours	**16**
Spring Semester		
ELCT 112	ELECTRICAL CIRCUITS II [1]	4
ELCT 121	DIGITAL ELECTRONICS [1]	4
ELCT 211	ELECTRICAL POWER AND DEVICES [3]	4
Social Science Elective [4]		3
	Hours	**15**
	Total Hours	**31**

1

Indicates that this course requires a prerequisite.

2

A student may register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

3

Indicates that this course requires a prerequisite or may be taken concurrently.

4

Select any Social Science Ohio Transfer 36 (http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/) course.

Program Contact(s):

David Astorino
440-366-7215
dastorin@lorainccc.edu

For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/).

More program information can be found on our website. (https://www.lorainccc.edu/engineering/electronic-engineering/electronic-engineering-technology-one-year-certificate/)

Credit for Prior Learning (PLA) options may be available for your program. For more information, please visit our website: www.lorainccc.edu/PLA (http://www.lorainccc.edu/PLA/)

Program Learning Outcomes

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline.
2. An ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature
3. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results
4. An ability to function effectively as a member of a technical team.