COMPUTER ENGINEERING TECHNOLOGY - COMPUTER APPLICATIONS INTEGRATION SPECIALIST, ONE-YEAR TECHNICAL CERTIFICATE

Curriculum Code #6122

Effective May 2023

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

The computer engineering technology – computing applications specialist certificate provides graduates with the skills necessary to design and implement software and hardware interfaces and networking of equipment with computers, computing devices and communication systems for a variety of industrial sectors including health care, law enforcement, manufacturing, logistics/transportation and other sectors. Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

First Year

Fall Semester		Hours
CMNW 101	A+ CERTIFICATION PREPARATION I	4
CMNW 121	DATA COLLECTION ANALYSIS AND FORENSIC TOOLS	4
CMNW 145	NETWORK INSTALLATION/DIAGNOSTICS	4
MTHM 155	TECHNICAL MATHEMATICS I	4
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY [2]	1
	Hours	**17**
Spring Semester		
CMNW 201	A+ CERTIFICATION PREP II [1]	4
CMNW 221	PROGRAMMING IN C & C++ FOR ENGINEERING TECHNOLOGY APPLICATIONS [1]	4
CMNW 223	NETWORK FORENSICS AND INVESTIGATIVE TECHNIQUES [1]	4
ENGL 161	COLLEGE COMPOSITION I	3
Arts and Humanities Elective(s) [3]		3
	Hours	**18**
	Total Hours	**35**

[1]

Indicates that this course requires a prerequisite.

[2]

A student must 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]

Select any Arts and Humanities Ohio Transfer 36 (http://catalog.loraincc.edu/academic-information/transfer-module-requirements/) course

Program Contact(s):

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

More program information can be found on our website. (https://www.loraincc.edu/it/computer-science-engineering-and-technology/computer-engineering-technology-application-integration-specialist-one-year-certificate/)

Program Learning Outcomes

1. Demonstrate knowledge, techniques, skills, and use of the appropriate device networking and application integration tools

2. Communicate analytical procedures and technical report findings to a variety of stake holders using written, oral, and graphical communication