COMPUTER INFORMATION SYSTEMS - NETWORK COMMUNICATION TECHNOLOGY, ASSOCIATE OF APPLIED BUSINESS

Curriculum Code #6649

Effective May 2023

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

This program prepares students to design, install, configure, test and support business networks. Primary focus will be on network servers, network operating systems, network services, client workstations in an integrated and converged services environment. Students will learn a strong set of technical skills coupled with business and communication skills so they can understand the needs of a business and apply their IT skills to give a business a competitive IT advantage. Attention is given to designing networks, whose components function seamlessly together and where the infrastructure is transparent, secure, and integrated into the organization so the network enables the sharing of information, ideas and resources between clusters of people. Additionally, students have the opportunity to take a wide range of IT courses providing more background in security, infrastructure, programming and web design. 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
CISS 121	MICROCOMPUTER APPLICATIONS I	3
CISS 125	OPERATING SYSTEM INTERFACES [1]	3
CMMC 151	ORAL COMMUNICATION	3
ENGL 161	COLLEGE COMPOSITION I	3
Select one of the following:		3-4
MTHM 155	TECHNICAL MATHEMATICS I	
MTHM 158	QUANTITATIVE REASONING	
MTHM 171	COLLEGE ALGEBRA	
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY [3]	1
	Hours	**16-17**

Spring Semester

BADM 155 or BADM 171	INTRODUCTION TO BUSINESS ADMINISTRATION or INTRODUCTION TO E-COMMERCE	3
CISS 143	DATABASE DESIGN AND IMPLEMENTATION [2]	3
CISS 145	LOCAL AREA NETWORKS [2]	4
CMNW 141	COMPUTER DIAGNOSTIC AND REPAIR	3
Science Elective (from Transfer Module)		3-4
	Hours	**16-17**

Second Year

Fall Semester

ACTG 151	ACCOUNTING I - FINANCIAL	4
CISS 160	INTRODUCTION TO PROGRAMMING IN C# [2]	4
CISS 245	NETWORK INTEGRATION AND MANAGEMENT [2]	4
CISS Elective [2,4]		3
	Hours	**15**

Spring Semester

ACTG 152 or MKRG 245	ACCOUNTING II - MANAGERIAL [2] or SOCIAL MEDIA MARKETING	3-4
CISS 227	INTRANET/INTERNET NETWORKING [2]	4
CISS 247	SYSTEMS DEVELOPMENT [2]	3
PSYH 151 or SOCY 151G	INTRODUCTION TO PSYCHOLOGY or INTRODUCTION TO SOCIOLOGY	3
	Hours	**13-14**
	Total Hours	**60-63**

[1]

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

[2]

Indicates that this course has a prerequisite.

[3]

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.

[4]

Electives: CISS 165, CISS 166, CISS 167, CISS 236 or CISS 287, CISS 288, CISS 289 for the equivalent number of credit hours to meet the technical elective credit hour requirement. Students intending to transfer should consult with the intended transfer institution, the Engineering, Business and Information Technologies division, or an LCCC advisor for transfer information.

Before taking any electives, science MTHM and/or MRKG classes please refer to The University of Akron University Partnership CIS curriculum guide to ensure you take the correct classes towards the CIS bachelor degree. The University of Akron requires MTHM 171 & MTHM 174 or MTHM 155 & MTHM 156 for the bachelor degree.

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.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/).

More program information can be found on our website. (https://www.lorainccc.edu/it/network-systems/associate-of-applied-business-in-network-communications-technology/)

Program Learning Outcomes

1. Install, configure, maintain, and troubleshoot a Windows networking server environment for businesses and organizations.
2. Explain the function and configuration of standard networking protocols and hardware components.
3. Demonstrate fundamental techniques and skills utilizing business computer applications, software development, and database management systems.
4. Demonstrate Information Technology infrastructure knowledge, techniques, and fundamental skills utilizing operating systems and networks.