

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

Curriculum Code #6649

Effective May 2026

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 any OT 36 Mathematics Course ⁵		3
SDEV 101	INTRODUCTION TO THE LCCC COMMUNITY ³	1
Hours		16

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 ¹	4
CISS 160	INTRODUCTION TO PROGRAMMING IN C#	4
Select any OT 36 Science Course ⁴		3
Hours		17

Second Year

Fall Semester		
ACTG 151	ACCOUNTING I - FINANCIAL	4

CISS 165	CISCO CCNA: INTRODUCTION TO NETWORKS ²	3
CISS 166	CISCO CCNA: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS ²	3
CISS 245	NETWORK INTEGRATION AND MANAGEMENT ²	4
Hours		14
Spring Semester		
ACTG 152 or MKRG 245	ACCOUNTING II - MANAGERIAL ² or SOCIAL MEDIA MARKETING	3-4
CISS 167 or CISS 287	CISCO CCNA: ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION ² or WORK-BASED LEARNING I - CISS	1-3
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		14-17
Total Hours		61-64

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 12 or more credit hours.

⁴ Select any Science Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

⁵ Select any Math Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

Before taking any OT 36 science and/or math classes, students intending to transfer elsewhere should consult with the intended transfer institution or consult with an LCCC advisor for transfer information.

Program Contact(s):

Nathanial Neeland
440-366-7790
nneeland@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/it/network-systems/associate-of-applied-business-in-network-communications-technology/>)

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. 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.