

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

Curriculum Code #6649

Effective May 2017

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.

| Course | Title | Hours |
|------------------------------|---|-------|
| First Year | | |
| Fall Semester | | |
| 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 121 | TECHNICAL MATHEMATICS I | |
| MTHM 151 | COLLEGE MATHEMATICS | |
| MTHM 158 | QUANTITATIVE REASONING | |
| MTHM 171 | COLLEGE ALGEBRA | |
| SDEV 101 | COLLEGE 101 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 |

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|---|--|-------|
| 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 161, CISS 162, CISS 163, CISS 164, 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 counselor or advisor for transfer information

Before taking any electives, Science MTHM and/or MRKG classes please refer to the University of Akron UP CIS curriculum guide to ensure you take the correct classes towards the CIS bachelor degree. The University of Akron requires MTHM 171 & MTHM 172 or MTHM 121 & MTHM 122 for the bachelor degree.

Program Contact(s):

Don Huffman
440-366-7397
dhuffman@lorainccc.edu

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