



EASTERN IOWA
COMMUNITY COLLEGES

CLINTON ♦ MUSCATINE ♦ SCOTT



YEAR ONE – FOUNDATION

The first two semesters of either the Networking track or the Programming track are the same. At the end of the first year, students have the option of earning a diploma, and are ready to pursue a summer internship. In the second year, students select an area of concentration to complete their degree.

CERTIFICATES

While pursuing their Associate of Applied Science Degree, students will validate their knowledge with industry-standard certifications which may include:

- ♦ Microsoft Technology Associate
- ♦ CompTIA
- ♦ Cisco

FOR MORE INFORMATION

CONTACT:

Lori Walljasper

District IT Program Coordinator

llwalljasper@eicc.edu

563.336.5217

Information Technology

PROGRAMMING

Programming Diploma

Programming (.NET) A.A.S.

Database Administrator A.A.S.

Web Development A.A.S.

Games and Simulations A.A.S.

NETWORKING

Networking Diploma

Networking (CCNA) A.A.S.

Hardware/Help Desk A.A.S.

Server Administration A.A.S.

Security and Forensics A.A.S.

LEARN MORE.

This workforce solution is funded by the IHUM Consortium which is 100% financed through a \$15,000,000 grant from the U.S. Department of Labor's Employment & Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

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PROGRAMMING CORE

Intro to Programming Logic
Visual Basic.NET I
Introduction to Computers
Math for Liberal Arts
Windows Workstation Op Systems
C#
Oracle Academy: Database Design
Web Development I
Composition I: Technical Writing
Living with Space, Time, and Tech



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NETWORKING CORE

Leadership and Professionalism
Introduction to Computers
Foundations of Information Technology
Networking I
Windows Workstation Op Systems
TCP/IP Subnetting
Leadership and Professionalism II
Composition I: Technical Writing
Copper, Fiber, and Wireless Connectivity
Networking II
Intro to Network Operating Systems

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CONCENTRATIONS IN PROGRAMMING

PROGRAMMING

Leadership and Professionalism
Java
Client Side Scripting
.NET Programming II
Project Management
Leadership and Professionalism II
Server Side Scripting
.NET Programming III
IT Specialist Capstone
Internship
Mobile Application Development

DATABASE

Leadership and Professionalism
Advanced MS Access
Oracle Academy: Database Dev w/ SQL
Database Models & Design Strategies
Project Management
Leadership and Professionalism II
Oracle Database Programming w/PL/SQL
Microsoft SQL Server
IT Specialist Capstone
Internship

WEB DEVELOPMENT

Leadership and Professionalism
Fundamentals of Web Design
Client Side Scripting
Project Management
Web Servers
Content Management Systems
Leadership and Professionalism II
Server Side Scripting
.NET Programming III
IT Specialist Capstone/Internship
Mobile Application Development

GAMES AND SIMULATIONS

Leadership and Professionalism
Introduction to Game Design
Games and Simulations
3D Modeling and Character Animation
Client Side Scripting
Project Management
Leadership and Professionalism II
3D Modeling and Character Animation II
Games and Simulations II
Audio Programming for Games
IT Specialist Capstone/Internship
Mobile Application Development

CONCENTRATIONS IN NETWORKING

NETWORKING

Math for Liberal Arts
Introduction to Wireless Networks
IP Telephony (VoIP)
Health Information Networking
Networking III
Living with Space, Time, and Tech
Certification Preparation
Networking IV
IT Specialist Capstone
Internship

HARDWARE/HELP DESK

Operating System and User Software Support
Math for Liberal Arts
Computer Systems and Troubleshooting
Network Attacks: Detection, Analysis & Countermeasures
Fundamentals of Desktop Support
Project Management
Living with Space, Time, and Tech
Printer Maintenance and Repair
Certification Preparation
IT Specialist Capstone
Internship

SERVER ADMINISTRATION

Introduction to Linux OS
Math for Liberal Arts
Windows Server
Fundamentals of Network Security
SANs and Data Arrays
Project Management
Living with Space, Time, and Tech
Certification Preparation
Microsoft Exchange Server
IT Specialist Capstone
Internship

SECURITY AND FORENSICS

Intro to Computer Forensics
E-Commerce Design
Math for Liberal Arts
Fundamentals of Network Security
Network Attacks: Detection, Analysis & Countermeasures
Project Management
Living with Space, Time, and Tech
Certification Preparation
Ethical Hacking
IT Specialist Capstone
Internship