



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

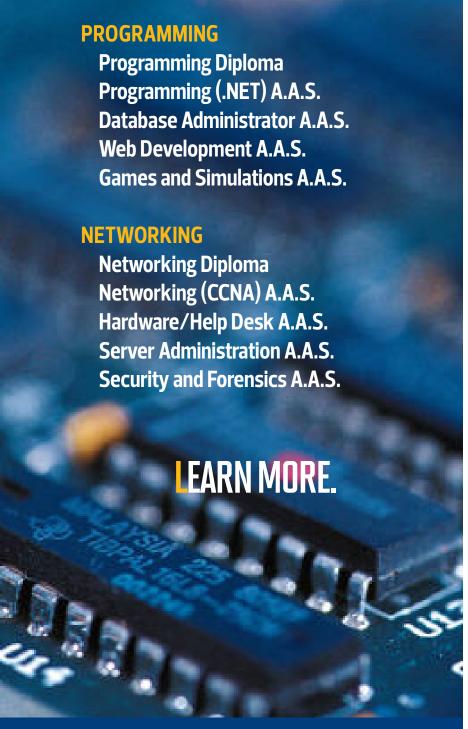
While pursuing their Associate of Applied Science Degree, students will validate their knowledge with industry-standard certifications which may include:

- Microsoft Technology Associate
- CompTIA
- + Cisco

FOR MORE INFORMATION CONTACT:

Lori Walljasper
District IT Program Coordinator
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563.336.5217

Information Technology



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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



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

FOR MORE INFORMATION CONTACT: **Lori Walljasper District IT Program Coordinator** lwalljasper@eicc.edu 563.336.5217

CONCENTRATIONS IN PROGRAMMING

PROGRAMMING

Leadership and Professionalism

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/ SOL 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

Ethical Hacking

Internship

IT Specialist Capstone

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**