



COMPUTER INFORMATION SYSTEMS

2023-2024



Industry Certifications, Networking and Cybersecurity

This course sequence provides training in Computer Hardware, Networking, Cybersecurity, and Python Scripting. These essential cyber skills prepare the student to perform entry level tasks in the cybersecurity industry. All of these courses also fold over into the Associate of Applied Science in Network Administration with Cybersecurity degree.

Most courses are available via Zoom or a blended model of instruction.

TESTING: Scores must be on file at MCC, but courses do not require passing TSIA scores.

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Fall

ITSC 1325* (Zoom or Blended)
Personal Computer Hardware

ITSC 1305* (Online)
Introduction to PC Operating Systems

Spring

ITCC 1314* (Hybrid-Zoom)
CCNA 1: Introduction to Networks

ITSY 1342** (Online, Zoom, Blended)
Information Tech Security

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Fall

ITSE 1302* (Zoom)
Computer Programming

ITCC 1344* (Hybrid-Zoom)
CCNA 2: Switch/Rout/Wireless Essentials

Spring

ITSY 2342** (Zoom or Blended)
Incident Response & Handling

ITCC 2320* (Zoom or Blended)
CCNA 3: Enterprise/Network/Security/Autom

*Dual credit tuition rate plus \$15 course fee.

**Dual credit tuition rate plus \$50 course fee.

***Certification exam fees are not included in course tuition/fees.

Additional Information

4 Potential Industry Certifications!***

- CompTIA A+ Core 1 Taken after ITSC 1305 and ITSC 1325
- CompTIA Security+ Taken after ITSY 1342
- CISCO CCNA Taken after ITCC 1314, ITCC 1344, and ITCC 2320
- CompTIA CySA+ Taken after ITSY 2342

Computer Information Systems

<https://www.mclennan.edu/cis/index.html>

Crosswalk Notes

These courses may apply toward the Networking Systems CTE pathway.

- ITSC 1325: 13027310 Computer Maintenance/Lab, Level 2
- ITCC 1314: N1302803 Internetworking Technologies I, Level 2
- ITCC 1344: N1302804 Internetworking Technologies II, Level 3

Course alignments are suggestions that should be evaluated by the ISD prior to adoption.

Additional courses may be relevant to CTE pathway upon further review.

Additional suggestions for course alignments available upon request.

ISD INFO

Computer Information Systems

Earn your next degree in Waco!

McLennan
COMMUNITY
COLLEGE

MCC offers these additional degree options.

Associate of Applied Science,
Network Administration
with Cybersecurity



TARLETON
STATE UNIVERSITY
Member of The Texas A&M University System
Waco @ MCC University Center

Bachelor of Applied Arts & Sciences
in Information Technology

Tarleton State University
IN WACO

University Center at MCC



Bachelor of Applied Arts & Sciences
in Applied Leadership

Texas Tech University
IN WACO

University Center at MCC



Marketable skills

- Understand and apply computing terminology and concepts used in the workplace.
- Apply fundamentals of Python Scripting structured design concepts.
- Install, configure, and troubleshoot computer operating systems and/or application software.
- Install and evaluate device and network security protocols and principles.

Career Opportunities

The Cybersecurity program prepares students for entry level careers in Cybersecurity including:

- Cybersecurity Analyst
- Cybersecurity Specialist
- Incident Responder
- Security Auditor

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