Faculty Advisors
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CIST Cybersecurity eMAP

START HERE: Program of Study: *Cybersecurity Diploma OR AAS*

If you have any Computer or Networking Experience consider taking the Exemption Tests for CIST 1001, CIST 1130, CIST 1305 &/or CIST 1401

Complete any required Learning Support or begin taking program classes.

General Education Core Requirements
Complete the following while or before working on your occupational courses.
Diploma: ENGL 1010; MATH 1010; PSYC 1010
Degree: ENGL 1101; MATH 1111; PSYC 1101; Humanities/Fine Arts Elective; Additional Gen Ed Elective.

Start with:
- CIST 1001 – Computer Concepts
- CIST 1401 – Computer Networking Fundamentals[A] OR
  CIST 1130 Operating Systems Concepts[A]
- CIST 1122 – Hardware Installation and Maintenance
- CIST 1601 – Information Security Fundamentals[B]
- Optional: General Education Core course AND/OR
    Guided Elective AND/OR
    Specialization Course(s)

Then, complete:
- CIST 1602 – Security Policies and Procedures
- CIST 2601 – Implementing Operating System Security
- CIST 2602 – Network Security
- CIST 2611 – Network Defense & Countermeasures
- CIST 2612 – Computer Forensics
- CIST 2613 – Ethical Hacking and Penetration Testing
- Guided Elective AND/OR General Ed Core courses AND/OR
- Specialization courses

Select One Specialization:
Advising disclaimer: This eMAP along with meeting regularly with your program advisor and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate from CTC

Cisco Specialization
- CIST 1130 -- Operating Systems Concepts (if not already completed)
- CIST 2451 – Introduction to Networks – CISCO[B]
- CIST 2452 – Cisco Routing and Switching Essentials[B]
- CIST 2453 – Cisco Scaling Networks[B]
- CIST 2454 – Cisco Connecting Networks[B]

Microsoft Specialization
- CIST 1401 – Computer Networking Fundamentals (if not already completed)
- CIST 2411 – Microsoft Client
- CIST 2412 – Microsoft Server Directory Services
- CIST 2413 – Microsoft Server Infrastructure[B]
- CIST 2414 – Microsoft Service Administrator[B]

UNIX/Linux Specialization
- CIST 1401 – Computer Networking Fundamentals (if not already completed)
- CIST 2431 – UNIX/Linux Introduction[B]
- CIST 2432 – UNIX/Linux Server[B]
- CIST 2433 – UNIX/Linux Advanced Server[B]
- CIST 2434 – UNIX/Linux Scripting[B]

[A] Course selection dependent upon Specialization. Cisco requires CIST 1130; Microsoft & UNIX/Linux require CIST 1401

[B] These courses have co-requisite requirements. Please refer to the college website/catalog for additional information or discuss with your advisor.

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CIST Cybersecurity eMAP

START HERE: Program of Study: *Computer Forensic and Investigation Specialist Technical Certificate of Completion*
If you have any Computer or Networking Experience consider taking the Exemption Tests for CIST 1001

Term 1:
CIST 1001 – Computer Concepts
CIST 1122 – Hardware Installation & Maintenance
CRJU 1010 -- Introduction to Criminal Justice

Term 2:
CIST 1130 – Operating Systems Concepts
CIST 1601 – Information Security Fundamentals[B]
CRJU 1062 – Methods of Criminal Investigation

Term 3:
CIST 1602 – Security Policies & Procedures
CIST 2612 – Computer Forensics
CIST 2620 – Computer Security / Corporate Fraud

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