2024-2025 Assessment Plan

Cybersecurity, Virtualization, and Networking

Mission

To provide students with the technical and organizational skills needed to design, configure, and build computer networks and develop and create cybersecurity infrastructure for business and industry.

2024-2025

Cybersecurity, Virtualization, and Networking Learning Outcomes

Cybersecurity Fundamentals

Identify basic cybersecurity terminology, types of cybercrimes, and risk strategies.

MEASURES	RESULTS	ACTIONS
Course Grade (On-Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons. don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Security Fundamentals: CVNP 2615		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On-Campus)	No results have been added.	No actions have been added.
Comprehensive exam on security fundamentals.		
Direct - Exam (Course)		
Security Fundamentals: CVNP 2615		
Target		
70% of students will score a 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Security Fundamentals: CVNP 2615		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on security fundamentals.		

Direct - Exam (Course)	
Security Fundamentals: CVNP 2615	
Target	
70% of students will score a 70% or better.	

Networking Fundamentals

Demonstrate an understanding of NICs, identify different physical and logical characteristics of network connections, demonstrate configuration of routers and switches, demonstrate use of remote access, and understand all types of wired and wireless communications.

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Cisco 1: CVNP 1603		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on networking fundamentals.		
Direct - Exam (Course)		
Cisco 1: CVNP 1603		
Target		
70% of students will score a 70% or better on the Final Exam for Cisco 1.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Cisco 1: CVNP 1603		
Target		
60% of students will earn a grade of C or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on networking fundamentals.		

Direct - Exam (Course)	
Cisco 1: CVNP 1603	
Target	
70% of students will score a 70% or better.	

Computer and Peripheral Hardware

Demonstrate an understanding of the function and design of computer hardware components and associated peripheral devices, including support of computers and peripherals.

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Computer Hardware: CVNP 2626		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on hardware.		
Direct - Exam (Course)		
Computer Hardware: CVNP 2626		
Target		
70% of students will score a 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Computer Hardware: CVNP 2626		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on hardware.		
Direct - Exam (Course)		
Computer Hardware: CVNP 2626		

Target	
70% of students will score 70% or better.	

Desktop Operating Systems

Students will demonstrate understanding of Windows and Linux operating systems, including configuration and troubleshooting,

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of		
school, because students who are not able to complete for various reasons don't always		
withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Supporting Windows Operating Systems: CVNP 1606		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
rinai Exam - Written (On Campus)		
Comprehensive exam on operating systems.		
Direct - Exam (Course)		
Supporting Windows Operating Systems: CVNP 1606		
Target		
70% of students will score a 70% or better.		
	No results have been added.	No actions have been added.
Course Grade (Online)		
We will measure the course grade for students		
who are still enrolled after the second week of school, because students who are not able to		
complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Supporting Windows Operating Systems: CVNP		
1606 Target		
60% of students will earn a C grade or better.		
	No results have been added.	No actions have been added.
Final Exam - Written (Online)		
Comprehensive exam on operating systems.		
Direct - Exam (Course)		
Supporting Windows Operating Systems: CVNP		

Target	
70% of students will score a 70% or better.	

Virtual and Cloud Computing

Demonstrate ability to create and manage virtual machines. Demonstrate ability to use Kubernetes to manage a cluster of containers. Troubleshoot and tune virtual machines for specific use cases.

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Virtual Computing: CVNP 2601		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on virtual computing.		
Direct - Exam (Course)		
Virtual Computing: CVNP 2601		
Target		
70% of students will score 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Virtual Computing: CVNP 2601		
Target		
60% of students will earn a C grade or better.		

Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on virtual computing.		
Direct - Exam (Course)		
Virtual Computing: CVNP 2601		
Target		
70% of students will score a 70% or better.		

Advanced Cybersecurity

This includes offensive security, defensive security and cyber forensics, and network based security controls and policies. Demonstrate ability to read logs, engineer detections in various cyber tools, collect and analyze endpoint data, and knowledge of the incident handling process

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Defensive Security: CVNP 2625		
Target		
60% of students will earn a C grade or better		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on defensive security.		
Direct - Exam (Course)		
Defensive Security: CVNP 2625		
Target		
70% of students will score 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
Could (Crimis)		
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Defensive Security: CVNP 2625		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.

Comprehensive exam on defensive security.	
Direct - Exam (Course)	
Defensive Security: CVNP 2625	
Target	
70% of students will score a 70% or better.	

Linux Fundamentals

Demonstrate use of Linux command line and installing/configuring Linux systems.

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Linux Administration: CVNP 1601		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on Linux.		
Direct - Exam (Course)		
Linux Administration: CVNP 1601		
Target		
70% of students will score a 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Linux Administration: CVNP 1601		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on Linux.		
Direct - Exam (Course)		

Linux Administration: CVNP 1601 Target	
70% of students will score a 70% or better.	

Python and Scripting

Demonstrate foundational knowledge of Python concepts. Create scripts to automate processes using Python. Leverage programming languages to script out repetitive tasks.

MEASURES	RESULTS	ACTIONS
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away. Indirect - Overall Course Grade		
Python/JSON: CVNP 2646		
Target		
rarget		
70% of students will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on Python/JSON.		
Direct - Exam (Course)		
Python/JSON: CVNP 2646		
Target		
70% of students will score 70% or better.		
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Python/JSON: CVNP 2646		
Target		
60% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam of Python/JSON.		
Direct - Exam (Course)		
Python/JSON: CVNP 2646		
Target		

70% of students will score a 70% or better.	

Network Systems Administration

Demonstrate ability to manage network level tools. Troubleshoot network based issues. Demonstrate knowledge of common network services and ports and protocols.

MEASURES	RESULTS	ACTIONS
Course Grade (On Campus)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Advanced Network Operating System: CVNP 2603		
Target		
70% of students will earn a C grade or better.		
Final Exam - Written (On Campus)	No results have been added.	No actions have been added.
Comprehensive exam on advanced networking operating systems.		
Direct - Exam (Course)		
Advanced Network Operating System: CVNP 2603		
Target		
70% of students will score 70% or better.		
Course Grade (Online)	No results have been added.	No actions have been added.
We will measure the course grade for students who are still enrolled after the second week of school, because students who are not able to complete for various reasons don't always withdraw or get dropped right away.		
Indirect - Overall Course Grade		
Advanced Network Operating System: CVNP 2603		
Target		
70% of student will earn a C grade or better.		
Final Exam - Written (Online)	No results have been added.	No actions have been added.
Comprehensive exam on advanced network operating systems.		
Direct - Exam (Course)		
Advanced Network Operating System: CVNP 2603		
Target		

Workplace Readiness

Students demonstrate the knowledge, skills, and abilities required to enter the workforce.

MEASURES	RESULTS	ACTIONS
Capstone Capture the Flag Skills Assessment	No results have been added.	No actions have been added.
Supstante Suprane the Flag Skills Assessment		
Student skills competition on Cisco 3 topics.		
Indirect - Other		
Cisco 3: CVNP 2606		
Target		
70% of students will get 7/10 questions correct.		
Canatana Cantina tha Flag Chilla Accessment	No results have been added.	No actions have been added.
Capstone Capture the Flag Skills Assessment		
Student skills competition on ANOS topics.		
Direct - Assignment		
Advanced Network Operating System: CVNP 2603		
Target		
70% of students will get 7/10 questions correct.		
	No results have been added.	No actions have been added.
Capstone Capture the Flag Skills Assessment		
Students skills competition on Defensive Security Topics.		
Direct - Assignment		
Defensive Security: CVNP 2625		
Target		
70% of students will get 7/10 questions correct.		
Country Continue the File Civil Annual	No results have been added.	No actions have been added.
Capstone Capture the Flag Skills Assessment		
Student skills competition on Python/JSON topics.		
Direct - Assignment		
Python/JSON: CVNP 2646		
Target		
70% of students will get 7/10 questions correct.		