3664 Program Vocational Learning Outcome

Program Vocational Learning Outcomes describe what graduates of the program have demonstrated they can do with the knowledge and skills they have achieved during their studies. The outcomes are closely tied to the needs of the workplace. Through assessment (e.g., assignments and tests), students verify their ability to reliably perform these outcomes before graduating.

1. Evaluate and recommend innovative cybersecurity strategies that provide secure solutions for organizational processes and applications.

2. Optimize the effectiveness of information security in a business environment through risk mitigation, and auditing of information systems.

3. Design and implement vulnerability assessment procedures to find and solve existing security issues in a network through monitoring and analyzing different attackers' tactics, strategies, and techniques.

4. Design and implement cybersecurity solutions and protocols in compliance with current security policies, ethical standards, and industry regulations.

5. Implement and evaluate security policies and strategies by collaborating in cybersecurity projects as a multidisciplinary team member/leader to deliver effective security solutions to the clients.

6. Communicate security protocols, policies, and audit results and related documentation to any level of the organization.

7. Resolve security issues of the communication networks using a top-down approach through analyzing overall networks and their interconnected components.

8. Develop and apply strategies for personal, career, and entrepreneurial growth to enhance work performance and maintain currency with the industry.