B.S. in Information Assurance and Security Engineering

Learning Outcomes

Students will be able to:

- Explain the differences between the three major goals of information security: confidentiality, integrity and availability, and can list and explain one technique for ensuring each.

- Implement in the security lab environment a comprehensive and integrated security infrastructure that meets or exceed current best practices.

- Design and write security policies by writing a policy for an environment presented in a case study.

- Perform risk a assessment for an organization.

- Design a security infrastructure based on the business requirements of an organization.

- Define appropriate security incident response policies.

- Identify weaknesses in non-technical elements such as processes and human factors.

- Perform a penetration testing for an organization.