M.S. in Computer, Information and Network Security

Learning Outcomes

Students will be able to:

- List and briefly describe security risks and mitigation strategies for an organization that is about to connect its network to the Internet and communicate with other companies via email.

- 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.

- Provide three examples of security awareness media and list target audiences for each medium.

- Explain how public key cryptography can be used to ensure the identity of the sender of an encrypted message.

- Describe the significant differences between security considerations for email over a public network and encrypted traffic over a wireless local area network.