

CYBER DEFENSE, CERTIFICATE

Certificate of Completion for Cyber Defense is a certification program for cyber defense effective 2027. This certificate is aligned to the new Cyber Defense standards for the National Security Agency.

Course Requirements

Code	Title	Credits
SECU 151	Security Systems & Design	3
SECU 222	Computer Security I	3
SECU 322	Computer Security II	3
SECU 422	Computer Security III	3
Total Credits		12

Student Learning Outcomes

Upon completion of the Cyber Defense, Certificate program, students will be able to:

1. Perform information security risk assessment, identify potential threats, and develop threat mitigation strategies.
2. Describe security design principles and identify security mechanisms to implement desired security principles.
3. Implement security defense technologies.
4. Identify malicious activities and attacks, and recommend appropriate response capabilities.
5. Carry out incident response activities and support cyber-crime investigation.