CPSC 4970

AUBURN UNIVERSITY

Module 0

Welcome to CPSC 4970
Applied Cyber Security in Software Engineering

- Understanding of the following concepts:
  - Security concepts related to software development lifecycle
  - Source code management techniques and workflows
  - Software composition and verification
  - Software vulnerabilities and verification techniques
  - Various security tools
  - Software build pipelines and automation
- Progressively build a software application build pipeline that incorporates cyber security practices.
  - Secure Software Development Life Cycle (SSDLC)
  - Secure Development LifeCycle (SDL)
- Hands on application of practices and tools used in modern software development organizations