

CYBERSECURITY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN SECURITY GOVERNANCE

Program Learning Outcomes

- **Problem Solving and Critical Thinking**
 - Formulate project requirements and alternative solutions appropriate to the problem in a secure manner
 - Integrate design and implementation principles to develop effective software without introduction of vulnerabilities
 - Perform analyze software security and the efficiency of algorithms
 - Implement solutions to computing problems written in various programming languages
 - Use appropriate tools and techniques for identifying malware and other vulnerabilities
- **Communication and Interpersonal Skills**
 - Document all aspects of secure software precisely and clearly
 - Use written, oral, and electronic communication to convey technical information effectively
 - Accurately communicate security analyses, policies, and methodologies
 - Work cooperatively in teams and with others
- **Ethical and Professional Responsibilities**
 - Determine the effects of security policy models in a global society
 - Recognize the important legal and policy issues in the development of secure systems
 - Demonstrate an awareness of the codes of professional ethics in the information technology industry
 - Plan for and ensure the security, privacy, and integrity of data
 - Recognize the need for continuing professional development

Related Links

Cybersecurity - Security Governance, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/cybersecurity/>)

Computer Science Department Page (<https://www.sru.edu/academics/colleges-and-departments/ches/departments/computer-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)