

# CYBER SECURITY ANALYST CERTIFICATE

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Division: Business and Computer Information Systems

## Requirements

PROGRAM CODE: 2C36689A

The **Cyber Security Analyst Certificate** is designed to prepare students who intend to pursue employment in entry-level cyber security/forensics positions. The program provides additional technical and managerial skills to analyze cyber security threats from a variety of perspectives at the enterprise and national levels. This certificate option requires completion of the Cyber Security Technician Certificate and additionally provides advanced courses in ethical hacking, cyber-security tools, and networking. A grade of C or better is required in each course taken. This certificate requires 21 units.

Code	Title	Units
<b>Required Courses - Cyber Security Technician (12 units):</b>		
CIS 107 F	Introduction to Operating Systems	3
CIS 109 F	Personal Computer Security	2
CIS 160 F	Introduction to Cyber Security (formerly Introduction to Computer Forensics)	3
CIS 180 F	Introduction to Networking Concepts	4
<b>Required Courses (9 units):</b>		
CIS 183 F	Network Security Fundamentals	3
CIS 222 F	Computer Scripting (formerly CGI/Perl Scripting)	3
CIS 290 F	Linux and UNIX Operating System	3
<b>Total Units</b>		<b>21</b>

## Program Student Learning Outcomes

**Outcome 1:** Use a working vocabulary of cyber security technology.

**Outcome 2:** Formulate, update and communicate short- and long-term organizational cyber security strategies and policies.

**Outcome 3:** Measure the performance of security systems within an enterprise level information system.