

# COMPUTER / IT PROGRAMS

## COMPUTER AND NETWORK SECURITY

### Certificate of Completion

21 credit hours

This program is specifically designed to prepare and certify students as Information Systems Security (INFOSEC) Professionals, NSTISSI No. 4011 and CNS NO. 4016 Entry Level Risk Analysts or provide current Information Systems professionals with Information Systems security certification to meet the needs of current and future employer requirements. Upon completion of this program students will receive a university certification of completion and be prepared and encourage to take the Comp-TIA Security+ test during the program to receive the industry certifications.

Upon completion of the certificate students will be able to:

- Plan, analyze, develop, implement, maintain, and enhance information systems security programs, policies, procedures, and tools to ensure the confidentiality, integrity, and availability of systems, networks, and data.
- Implement higher-level security requirements; integrate security programs across disciplines; define security plans and policies; assess new system design security plans and policies; assess new system design methodologies to improve software quality; and institute measures to ensure awareness and compliance.
- Assess new security technologies and/or threats and recommend changes; review and evaluate security incident response policies; and develop long-range plans for IT security systems.
- Resolve integration issues related to the implantation of new systems with the existing infrastructure.

*Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program.*

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#### Institutional and Related Requirements –

Not applicable

#### Program Requirements – 21 hours

CIST 2881 – Cybersecurity Fundamentals (3)  
CIST 1181 – Business Continuity and Disaster Recovery (3)  
CIST 1111 – Introduction (Foundation) of Information Systems (3)  
CIST 1110 – Introduction to Operating Systems (3)  
CIST 2883 – Firewalls and How They Work (3)  
CIST 2854 – National Cyber League (NCL) (0)  
CIST 2887 – Ethical Hacking (3)  
CIST 2858 – Cyber Ethics, Professionalism, and Career Development (3)

#### New Mexico General Education Curriculum (NMGEC) –

Not applicable