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## Computer Information Systems (CIS)

### **CIS 005F**                      **Intro to Information Assurance**                      (3)

*Class Hours:* 54 Lecture

*Transfers to:* Transfers to CSU only

#### Intro to Information Assurance

CIS 005F introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course will emphasize network attack methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will experience a hands-on practical approach to penetration testing measures and ethical hacking. This course will help prepare students for the CompTIA Network+ certification exam.

### **CIS 005G**                      **Computer Forensics Fundamental**                      (3)

*Class Hours:* 54 Lecture

*Transfers to:* Transfers to both UC/CSU

#### Computer Forensics Fundamentals

CIS 005G is an introduction to the methods used to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Topics covered include an overview of computer forensics as a profession; the computer investigation process; understanding operation systems boot processes and disk structures tools. This course will help prepare students for the CompTIA certification exam.(AA/AS, CSU)

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