

New Course Descriptions

NET 122	Secure Communications	Class	Lab	Credit
		2	2	3

This course provides an overview of current technologies used to provide secure transport of information across networks. Topics include data integrity through encryption, Virtual Private Networks, SSL and SSH. Upon completion, students should be able to implement secure data transmission technologies. *This course is restricted to the Information Systems Security program.*

Prerequisites: NET 112 and CIS 173 or CIS 282 or NET 110

Corequisites: None

NET 233	Defense In-Depth	Class	Lab	Credit
		2	2	3

This course introduces students to the concepts of defense in-depth, a security industry best practice. Topics include firewalls, backup systems, redundant systems, disaster recovery, and incident handling. Upon completion, students should be able to plan effective information security defenses, backup systems, and disaster recovery procedures. *This course is restricted to the Information Systems Security program.*

Prerequisites: NET 222 and CIS 279 or NET 155

Corequisites: NET 232

NET 275	Attack Methodology	Class	Lab	Credit
		2	2	3

This course provides the student with an in-depth look at common Internet, network, and host-based attack methodologies. Topics include common attack methods such as social engineering, spoofing, denial of service, traffic interception, session hijacking, password cracking, malicious code and web hacking techniques. Upon completion, students should be able to generate anomalous network traffic, identify common network attack patterns, and perform penetration testing. *This course is restricted to the Information Systems Security program.*

Prerequisites: NET 233

Corequisites: None