

# CPT 283: Network Defense and Countermeasures

This course introduces students to one of the most important and urgent concepts in protecting computers and networks: intrusion detection. The concepts introduced in this course are intended for students and professionals who need hands-on introductory experience with installing firewalls and intrusion detection systems (IDSs). This course assumes that students are familiar with the Internet and fundamental networking concepts, such as TCP/IP, gateways, routers, and Ethernet. It also assumes that students are familiar with IP troubleshooting, subnetting, subnet masking, IP datagram structure, routing, Web security, and common attack techniques.

**Credits:** 3

**Transfer Code:** Transfer Code  
Code C

**Prerequisites:**

CPT 271