ECE 3180: Computer Networks

ISO/OSI, TCP/IP reference models; data transmission, encoding, framing, error detection, stop and wait, sliding windows; CSMA/CD, Ethernet; bridges, spanning tree protocol; connectionless, connection-oriented and source routing, IP addressing, forwarding, VPNs; switching fabrics; ARP, DHCP, DV, OSPF, BGP, DNS.

**Credits:** 3.0  
**Prerequisites:**  
ECE 1260  
CSC 2405  
ECE 1260 or CSC 2405  
**Program:** Electrical and Computer Engineering