

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