ETRO 140 : Fundamentals of Computer Networking

Introduces the OSI and TCP/IP models for network communication, discusses industry standards, commonly used network topologies, IPv4 and IPv6 addressing, routing and switching concepts, ACLs, DHCP, NAT; queuing models, network architecture design and troubleshooting. Introduces wireless networking and Virtual-LANs. Prepares students for the Cisco Certified Entry Networking Technician (CCENT) exam.

Credits 4
Lecture/Lab Credits 120
Teaching Equivalent 6.67
Recommended Prep
ICS 111 and MATH 115.
Prerequisites
ETRO 105 and MATH 103(or higher), both with grade C or better, or consent.