

This program is designed to help students become competent in the areas of managing, maintaining, troubleshooting, installing, and configuring basic network infrastructure. The program covers local area networks (LAN), wireless networking systems (W-LAN), and wide area networks (WAN).

Required Course of Study

NTC 240 Intro to LAN Technologies

This foundational course covers local area network topics including rationale for networking, Open Systems Interconnection (OSI) models, common network topologies and architecture, client/server concepts, basic hardware devices and usage, and basic networking security concepts. (3 credits)

NTC 241 Intro to W-LAN Technologies

This course explores concepts of wireless networking systems including wireless networking, topologies; hardware protocols; hardware selection and implementation; interfaces with LAN, MAN, and WAN networks; basic wireless security; and network integration concepts. (3 credits) Prerequisite: NTC 240

NTC 242 Intro to WAN Technologies

This course covers Wide Area Networking concepts and its interface with metropolitan area networks (MAN) and local area networks (LAN). The course will cover telecommunication technologies, backbone technologies, hardware device protocol, hardware selection and usage, and basic WAN security considerations and planning. (3 credits) Prerequisite: NTC 241