

COMPUTER NETWORKING AND SYSTEMS

(Also see Computer Applications for Business, Computer Information Systems, and Electronics and Computer Technology)

Department Chair: Reza Dai, 847-376-7778 or rdai@oakton.edu

Corporate and nonprofit businesses alike rely heavily on computer networks and systems to connect employees and customers. These systems increase productivity and improve security, allowing people across the country and around the world to share data and resources quickly and effectively. Those individuals with the necessary skills to design, implement, maintain, manage, and secure computer networks and systems will enjoy strong job prospects.

Oakton courses provide the knowledge and techniques necessary to design, configure, install and secure Local Area Networks (LANs) and Wide Area Networks (WANs). Courses include networking essentials as well as "vendor specific" training to help prepare students for industry-recognized certification examinations.

Oakton offers Associate in Applied Science (A.A.S.) Degrees in Computer Networking and Systems and Network Security Administration. Courses offered include preparation for industry standard certification in the following areas: Microsoft Modern Desktop Administrator Associate, Microsoft Certified Solutions Associate (MCSA), Microsoft Certified Solutions Expert (MCSE): Core Infrastructure, Cisco Certified Network Associate (CCNA), CompTIA Network+, CompTIA Security+ and more. Oakton also offers certificates in Network Administration which help to prepare students for jobs in the networking field. The Network Security Administrator certificate prepares students to identify and secure computer networks and systems from unauthorized activities in Windows, Cisco, and Linux systems in various settings.

Oakton is an approved member of the Microsoft IT Academy and the Cisco Networking Academy. This permits the use of both the Official Microsoft Learning Products and Official Cisco Curriculum course materials. Classes are taught in state-of-the-art computer labs using current networking technology.