CIS PROFESSIONAL IN NETWORKING (CERTIFICATE M0809)

Business Division
Certificate M0809
The CIS Professional in Networking program is designed to prepare students for a career in the computer networking industry. The certificate offers a balanced set of classes that prepare students to design, implement, and manage the heterogeneous corporate network. The network administration courses emphasize network operating systems, network infrastructure and data communications. Students will acquire the skills to install and administer a Windows network, Virtualization, Active Directory, group policy, file system security, DNS, DHCP, Linux Networking, Cisco routers, switches, network infrastructure, access control list, Virtual LAN (VLAN) and VLAN routing. Individual courses will help students prepare for related industry certification exams such as Network+, Microsoft MCITP, Cisco CCNA and Red Hat RHCSA. Opportunities available upon completion of this certificate include entry-level and mid-management positions in Network Administration.

Required Courses

Course Prefix	Course Name	Units
CISN 11	Telecommunications Networking	3
CISN 11L	Telecommunications/Networking Laboratory	0.5
CISN 24	Window Server Network and Security Administration	3
CISN 24L	Window Server Network and Security Administration Laboratory	0.5
CISN 34	Linux Networking and Security	3
CISN 34L	Linux Networking and Security Laboratory	0.5
CISN 51	Cisco CCNA Networking and Routing	3
CISN 51L	Cisco CCNA Networking and Routing Laboratory	0.5
Total Units		**14**

CIS Program Website (http://www.mtsac.edu/cis/)

Program Learning Outcomes
Upon successful completion of this program, a student will be able to:

- Configure and setup static routing.
- Implement VLAN and VLAN routing.

Review Student Learning Outcomes (SLOs) (http://www.mtsac.edu/instruction/outcomes/sloinfo.html) for this program.