



## **CURRICULUM GUIDE 2012-2013**

### **NETWORK TECHNICIAN**

Certificate of Accomplishment in Network Technician

#### **Requirements for Certificate of Accomplishment:**

- a) Complete satisfactorily the courses listed for the particular certificate.
- b) Complete at least 50% of the required units at Ohlone College.
- c) Maintain a 2.0 grade point average.

#### **NETWORK TECHNICIAN**

Network Technicians assist in the installation, configuration, testing, maintenance, and troubleshooting of LANs and/or WANs. They are responsible for routine tasks such as adding new accounts, assigning passwords, and keeping a variety of logs. They should have knowledge of networking fundamentals; connecting to a WAN; basic security and wireless concepts; routing and switching fundamentals; the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; configuring RIPv2, static and default routing; implementing NAT and DHCP; and configuring simple networks.

#### **Student Learning Outcomes**

1. Describe the operation of and implement a small switched network; an IP addressing scheme and IP services to meet network requirements for a small branch office; and a small routed network.
2. Explain and select the appropriate administrative tasks required for the implementation of a Wireless Local Area Network (WLAN).
3. Identify security threats to a network and describe general methods to mitigate those threats.
4. Demonstrate appreciation of the ICT career field and the need to be lifelong learners.

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