

## NET 126

Credit Hours	Lecture Hours	Lab Hours	Prerequisite or Corequisite
3	1	4	NET 125

### CATALOG DESCRIPTION

This course focuses on initial router configuration, router software management, routing protocol configuration, TCP/IP, and access control lists (ACLs). Emphasis will be placed on the fundamentals of router configuration, managing router software, routing protocol, and access lists. Upon completion, students should have an understanding of routers and their role in WANs, router configuration, routing protocols, TCP/IP, troubleshooting, and ACLs.

### REQUIRED RESOURCES

#### Textbook(s)

Networking Basics CCNA 2 Companion Guide; Wendell Odom and Tom Knott

#### Materials

USB Flash drive

#### Technology

none

### LEARNING OBJECTIVES

- 1 WANs and Routers
- 2 Routing Basics
- 3 Routing Configuration
- 4 Cisco Discovery Protocol
- 5 Basic Diagnostic Techniques
- 6 Routing Protocols
- 7 Access Control Lists

### COURSE DELIVERY METHODS

If this course is taught as an online, hybrid, or web enhanced course; the course will require access to the PCC Blackboard learning system via the Internet. Students are expected to login to the Blackboard course **AT LEAST 3 times per week**. Students are also expected to use the PCC Campus Cruiser web mail system to correspond with the instructor and **check email at least once every 24 hours Monday – Friday**.

### COURSE SPECIFIC INFORMATION

**Complete syllabus** with due dates, attendance policies, and other information is provided by the instructor for the course.

*Last Updated July, 2007*