

## **Course Objectives/Course Outline**

### **Spokane Community College**

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**Course Title:** Cisco I Introduction to Networks

**Prefix and Course Number:** CIS 250

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**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Configure switches and end devices to provide access to local and remote network resources
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network
- Configure basic router settings to enable end-to-end connectivity between remote devices
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices.
- Build a simple Ethernet network using routers and switches
- Explain how the upper layers of the OSI Model support network applications.

#### **Course Outline**

- I. Basic Network Connectivity and Communications
- II. Ethernet Concepts
- III. Communicating Between Networks
- IV. IP Addressing
- V. Network Application Communications