Course Objectives/Course Outline
Spokane Community College

Course Title:	<mark>**Cisco II Switching Routing and Wireless I**</mark>
Prefix and Course Number:	**CIS 251**

Course Learning Outcomes:
By the end of this course, a student should be able to:

- Identify and apply security best practices in a small network
- Troubleshoot connectivity in a small network
- Configure VLANs and Inter-VLAN routing
- Apply basic layer two security best practices
- Configure basic security settings on switches and routers
- Describe Spanning Tree Protocol and explain the STP role in the LAN
- Configure and verify Etherchannel in switched networks
- Explain DHCPv4 and SLAAC and DHCPv6 concepts
- Configure and verify basic DHCP services dynamic routing protocols,
- Explain First Hop Redundancy Protocols

Course Outline

I.   Building and Securing a Small Network

II.   Switching Concepts, VLANs, and InterVLAN Routing

III.   Redundant Networks

IV.   Available and Reliable Networks