COURSE AGENDA:

Cisco Certified Design Professional (CCDP) Syllabus

- Welcome to ARCH
- Welcome to the ARCH 3.0 Update Pack
- Models: Understanding the Cisco Hierarchical Network Model
- Models: The ECN Modular Network Design
- Models: Describing a Network Lifecycle with PPDIOO
- Campus: High Availability Design
- Campus: Spanning Tree Protocol Review
- Campus: Spanning Tree Protocol Best Design Practices
- Campus: Etherchannel and UDLD Design
- Campus: Access to Distribution Block Designs
- Campus: Managing Bandwidth and Oversubscription
- Campus: Optimizing Routing and FHRPs
- Campus: IP Telephony Design Considerations
- Campus: IPv4 Address Planning
- Campus: IPv6 Address Planning
- Routing Protocols: EIGRP Design Principles
- Routing Protocols: OSPF Design Principles
- Routing Protocols: BGP Design Principles
- Routing Protocols: Summarization, Redistribution, and Filtering
- WAN Services: Fiber Optic Connections (SONET / SDH)
- WAN Services: Metro Ethernet
- WAN Services: The VLAN Private Line Service (VPLS)
- WAN Services: MPLS
- WAN Services: Choosing and Monitoring the Service Provider
- Data Center: Core Design Models
- Data Center: Aggregation Layer Design
- Data Center: Access Layer Design
- Data Center: Blade Server Design
- Data Center: Scaling Your Architecture
- Data Center: Using Bandwidth Effectively
- Data Center: STP in the Data Center
- Data Center: High Availability
- SAN Technology: Understanding the Bits and Pieces
- SAN Technology: Protocols and Standards

- SAN Technology: SAN Design
- E-Commerce: The Design that Must Stay Up
- E-Commerce: Internet Connections
- E-Commerce: Deep Dive
- Security: Firewall Design
- Security: IPS Design
- VPN: Remote Access VPN Design
- VPN: Site-to-Site VPN Design
- VPN: Variations
- VPN: Scalability
- Multicast: Concept Review
- Multicast: Multicast Routing with PIM
- Wireless: Design Principles
- Network Management: Tools at Your Disposal
- Network Management: Netflow
- Network Management: NBAR and AutoQoS
- Network Management: IP SLA
- ARCH 3.0: IS-IS Routing Design, IS-IS Overview
- ARCH 3.0: IS-IS Neighbors and Area Design
- ARCH 3.0: The Keys to IS-IS Addressing
- ARCH 3.0: Inside the Simple Routing Mind of IS-IS
- ARCH 3.0: IS-IS Design Principles
- ARCH 3.0: Data Center - Virtual Port Channel, Multichassis Etherchannel, and Fabric Extenders
- ARCH 3.0: Ciscos TRILL Solution: FabricPath
- ARCH 3.0: What is SDN?
- ARCH 3.0: How SDN Works
- ARCH 3.0: Data Center Interconnects (DCI)
- ARCH 3.0: QoS Overview and Models
- ARCH 3.0: QoS — Tools of the Trade
- ARCH 3.0: QoS — Understanding the Two Models
- ARCH 3.0: QoS — Deploying QoS
- ARCH 3.0: QoS — Big Picture Design
- ARCH 3.0: IPv6 Addressing and Subnetting Review
- ARCH 3.0: How to Get Started with IPv6
- ARCH 3.0: IPv6 — Transition Mechanisms