

Implementing Cisco IP Switched Networks (SWITCH) ? (642-813)

Product Overview] This course is part of the official Cisco CCNP® curriculum and covers the skills that are required for CCNP certification. Students will learn to plan, configure, and verify the implementation of complex enterprise switching solutions using Cisco Enterprise Campus Architecture. The course also covers secure integration of VLANs, WLANs, voice, and video into campus networks. Comprehensive labs emphasize hands-on learning and practice to reinforce configuration skills. The course is appropriate for enterprise network engineers with at least one year of job experience who are ready to advance their skills and work independently on complex network solutions. It is part of the official CCNP curriculum and covers the same skills that are validated in the CCNP certification exams.

Features and Benefits] Cisco authorized training is developed by subject matter experts around the globe to align to the job tasks of professional-level network engineers. Authorized CCNP curriculum is delivered by certified instructors using a blend of lecture, labs, self-paced lessons, and assessments.

Key Features		Key Benefits	
Customer-centered design	Input from customers and partners ensures relevancy.	Job role focus	Curriculum aligns to tasks of network engineers.
Blended learning curriculum	Mix of classroom and self-paced lessons offers flexibility.	Extensive lab exercises	Hands-on practice strengthens skills.
End-of-module assessments	Review reinforces learning objectives.	Worldwide availability	Consistent curriculum in all regions.

Authorized Cisco Learning Partners Certified instructors deliver Cisco approved content. **Course Prerequisites]** - Cisco

CCNA® certified **CCNP Certification]** CCNP validates the knowledge and skills that are required to plan, implement, secure, maintain, and troubleshoot converged enterprise networks. The requirements for CCNP were designed to reflect the responsibilities that are associated with roles such as network engineer, system engineer, network support engineer, network administrator, network consultant, or system integrator. **Product Specifications]** Course Name: Implementing

Cisco IP Switched Networks This course replaces Building Cisco Multilayer Switched Networks (BCMSN).

Short Identifier: SWITCH Associated Certifications: CCNP and Cisco CCDP® Associated Exam:

#642-813 SWITCH, 120 minutes Available at all worldwide Pearson VUE testing centers Duration: 5 days classroom

or virtual classroom Delivered by: Cisco Certified Learning Partners worldwide Lab Exercises: 13

individual labs Implementing Cisco IP Switched Networks is one of three courses that are recommended for CCNP candidates,

along with Implementing Cisco IP Routing (ROUTE) and Troubleshooting and Maintaining Cisco IP Networks (TSHOOT). For

more information, visit [CCNP on the Cisco Learning Network](#). **Course Outline]** **Delivery Topic** Classroom Course

Overview	Classroom	Analyzing Campus Network Designs	Classroom	Implementing VLANs in
----------	-----------	----------------------------------	-----------	-----------------------

Campus Networks	Classroom	Implementing Spanning Tree	Classroom	Implementing Inter-VLAN
-----------------	-----------	----------------------------	-----------	-------------------------

Routing	Classroom	Implementing First Hop Redundancy in a Campus Environment	Classroom
---------	-----------	---	-----------

Implementing a Highly Available Network	Classroom	Integrating Wireless LANs into a Campus Network
---	-----------	---

Classroom	Accommodating Voice and Video in Campus Networks
-----------	--