



# CISCO IP TELEPHONY DESIGN SPECIALIST

## Acronym/Nickname

## Certification Body

CISCO

## Description

The Cisco IP Telephony Design Specialist certification was developed for those who design IP Telephony multi-service network solutions. Cisco IP Telephony Design Specialists can design a scalable, converged network using QoS, Cisco Call Manager clustering, H.323, MGCP, or SIP signaling protocols, and assess the scope of work required to integrate legacy TDM PBXs and voice mail systems into an existing data network.

## Certification Level

Specialist

## Covered competencies

By earning **specialist** certifications, network professionals can enhance their core networking knowledge in technologies such as security, IP Communications, and wireless.

## Requirements

### Exam No.

642-414 IPTD

642-642 QoS

## Target

experienced technical professionals, and those who have earned associate or professional-level Cisco Career Certifications.

## Career Path

Various tracks—such as Routing and Switching, Network Security, and Service Provider—are available, so that you can match your certification path to your job role or industry.

## Authorized Testing

## Indicative Fee\*

## Certification Schedule\*

### Center:

PEARSON VIEW

\* Fees and schedules are subject to change without prior notice, please get in touch with certification body through contact details below

## Recommended/Preparatory Training

### Module 1 Designing the LAN for IP Telephony

- Explaining Campus Evolution and IP Telephony
- Connecting the IP Phone
- Designing High Availability at the Data Link and Network Layers
- Reviewing LAN QoS for IP Telephony
- Designing the Access Layer for IP Telephony
- Designing the LAN Distribution Layer for IP Telephony
- Designing the Core Layer for IP Telephony

### Module 2 Design the WAN for IP Telephony

- Bandwidth Provisioning
- WAN QOS

### Module 3 Design IP Telephony

- Size and Select Voice Gateways
- Designing Media Resources
- Sizing and Positioning New Applications
- Dial Plan
- Design the Emergency Services
- Designing a Secure IP Telephony Solution
- Designing for the Implementation Module 4 Design a Multi-Site IP Telephony Solution (Lab)

## Where to get more information:

[http://www.cisco.com/web/learning/le3/le2/le41/le79/le26/learning\\_certification\\_type\\_home\\_extra\\_level.html](http://www.cisco.com/web/learning/le3/le2/le41/le79/le26/learning_certification_type_home_extra_level.html)

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AMA Computer College (Davao City) 63 82 2215193

Digital Interface Institute, Inc. (63-82)-2211256

Infomate Computer Systems 35-225-4715

Touch Solutions Inc. 632 7051421/ 109

AMA Computer College (Makati City) 2 3733901 LOC 8325

Datacraft Philippines Inc +632 7847000

Mapua Institute of Technology 63-02-524-5572

New Horizons of Makati, Philippines +632-840 5000

Database Wizards Inc. 632 7574889

International Academy of Management and Economics 632-7572608 EXT.15

Nexus Technologies INC. Training Division 63 2 8674409

MISNet Inc. 63 2 751-2871

Ng Khai Development Corporation (63-32) 343-7734

Southeastern College 02-831-75-32

Global Knowledge Associates Inc 632-683-0969

Trends and Technology Incorporated 632-811-8181

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