

Health Information Networking

At-A-Glance



As healthcare providers adopt electronic health records for patients and implement digital systems for healthcare services, the need for specialized healthcare information and communications technology (ICT) workers is expected to steadily increase. In response to this growing demand, educational institutions around the world are offering new programs to help students prepare for health ICT careers.

Health Information Networking

The Cisco Networking Academy® Health Information Networking course helps students develop the skills needed to succeed in healthcare ICT careers. It provides a theoretically rich, hands-on introduction to networking in healthcare environments.

The Health Information Networking (HIN) course offers the following features and benefits:

- Provides an introduction to information technology and networking in healthcare
- Helps students develop the knowledge and skills needed to design and support networks in a healthcare environment
- Employs industry-relevant instructional approaches to help students prepare for entry-level jobs in the healthcare industry

Course Description

Health Information Networking equips students with knowledge that can be applied toward entry-level specialist careers in healthcare ICT and networking. The course aims to develop an in-depth understanding of the skills needed to specialize in healthcare network implementations.

Who Should Enroll	Prerequisites
<ul style="list-style-type: none"> • Students who hope to expand their networking skills with healthcare ICT and networking skills • Students who want to prepare for entry-level specialized ICT careers in the healthcare industry 	<ul style="list-style-type: none"> • Basic PC and Internet navigation skills • Students should meet the following criteria or demonstrate equivalent networking knowledge and experience: <ul style="list-style-type: none"> » Completed the first two Cisco CCNA® Routing and Switching courses: Introduction to Networks, and Routing and Switching Essentials

Healthcare systems and regulations vary by country and region. The Health Information Networking course contains some content that is specific to the U.S. healthcare system. This content is clearly labeled in the course. Academies offering this course to students outside the United States can supplement or replace this U.S. specific content with locally relevant healthcare information.

Health Information Networking can be delivered as an extension to the CCNA curricula, as an independent curriculum, or integrated into a broader course of study, such as technology or continuing education programs. The curriculum can be offered in an in-person or a blended distance learning (BDL) environment.

Course Outline

No.	Chapter Title	Goal
1	Healthcare in the United States	Provide basic knowledge about healthcare in the United States
2	Electronic Health Records (EHRs)	Help students prepare for a typical implementation of an electronic health records system; including adjusting the medical practice workflow
3	Designing Healthcare Networks	Describe how information technology is used in healthcare
4	Designing the Medical Group LAN	Describe the factors and processes that go into designing a network for a medical group
5	Designing and Implementing WAN Services	Explain how to implement WAN services for a medical group and its branches
6	Securing a Healthcare Information Network	Describe the unique requirements and solutions for protecting healthcare information and networks
7	Supporting the Medical Group Network	Explain how to support, maintain, and troubleshoot a medical group network
8	Putting It All Together	Reinforce the concepts learned in this course through a culminating activity

Cisco Networking Academy

In partnership with schools and organizations around the world, the Cisco Networking Academy program delivers a comprehensive learning experience to help students develop ICT skills for entry-level career opportunities, continuing education, and globally recognized career certifications.

For More Information

To learn more about Cisco Networking Academy, visit cisco.netacad.com.