

What is the course about?

This Cisco Certified Network Associate preparation course is split into four semesters which are taught concurrently and it is expected that students will take two academic years to complete all four semesters.

Most students in a class will be starting with the Semester 1 course 'Introduction to Networking' while a small number will be working on later parts of the course. The course blends conventional teaching with extensive support materials available online, and hands on practical work. You are able to work at your own pace so some in the class will progress much more quickly than others.

Introduction to Networking (Semester 1) looks at how data networking affects us all and examines in detail the underpinning technology that supports this.

Routing and Switching (Semester 2) looks at how networks enable businesses to communicate reliably, quickly and securely.

Scaling networks (Semester 3) takes the previous ideas and shows how it can be scaled up to meet the needs of the larger and more complex enterprises. Connecting Networks (Semester 4) examines the technologies that support world wide data networks.

What are the entry requirements?

Candidates are expected to have a good understanding of general computer technology and some experience with networks in a commercial setting.

What subjects will I study?

Semester 1 - Networking operating systems, protocols, Ethernet, IP addressing and sub netting.

Semester 2 - Switch concepts, virtual LANs, routing concepts, routing protocols, access control lists, DHCP and network address translation.

Semester 3 - LAN redundancy, LAN aggregation, wireless networks, OSPF, and EIGRP.

Semester 4 - WAN design, WAN technologies, VPNs, WAN security, monitoring and troubleshooting.

How will I be assessed?

On-line multiple choice exams are used to check your progress and understanding. At the end of each semester there is a longer online assessment and a practical skills test.

What are my progression and career options?

Successful completion of the first of the four semesters of study will demonstrate to an employer a good understanding of networking theory. By successfully completing all four semesters you should be ready to take the Cisco CCNA exam (not included in the course fee) which is widely recognised and sought after by the IT industry.

Who should I contact?

All enquiries relating to this course are to be directed to the Course Admissions Tutor via the Programme Area Secretary on 648202 or by e-mail to tracy.clift@ucm.ac.im