

Recommended Prerequisite Course for Institute of Network Engineering

Course	Recommended Prerequisite Course
Computer Networks	Introduction to Computer Networks
High Speed Networking	Computer Networks (Graduate course) or Introduction to Computer Networks (Undergraduate course)
Network Security	Introduction to Computer Networks, Introduction to Operating Systems
Network Programming	Basic Programming, Introduction to Computer Networks
Queuing Theory	Probability
Local Area Networks	Introduction to Computer Networks
Data Center Networking Technology	Introduction to Computer Networks, Local Area Networks
Introduction to 3GPP Long-Term Evolution Mobile Communication Protocol	Introduction to Computer Networks, the basic knowledge of wireless mobile networking
Mobile Networks and Applications	Introduction to Computer Networks
Mobile Data Management	Introduction to Algorithms
App Entrepreneurship and Implementation	N/A
Cloud Computing Systems and Applications	N/A
Key Technologies for Internet of Things	Introduction to Computer Networks, the basic knowledge of wireless mobile networking
Wireless Multimedia Networks	Introduction to Computer Networks
Wireless Internet	Introduction to Computer Networks
Internet Protocols	Introduction to Computer Networks, Network Programming
Cloud Mobile Sensing Applications	Basic Programming
Internet of Things Platforms	Digital Circuit Design
Wireless Sensor Networks	Computer Networks
Cloud Computing	Introduction to Computer Networks
Pervasive Computing	Basic Programming, Introduction to Computer Networks, Introduction to Operating Systems
Broadband Wireless Access, Networks and Applications	Computer Networks, Wireless Networks
Software-Defined Networks	Introduction to Computer Networks
Network Security Practices-Attack and defense	Operating System
IoT/M2M Application System Implementation	Introduction to Computer Networks, Introduction to Database Systems, Key Technologies for Internet of Things

Distributed Computing Systems	N/A
Next-Generation Wireless Networks: Protocols and Technologies	Introduction to Computer Networks
Wireless Networks	Introduction to Computer Networks
Network Performance Analysis	Queuing Theory
Wireless Networks: Protocols and Technologies	Introduction to Computer Networks
Parallel Programming	Introduction to Computer Networks, Programming Design
Parallel Programming in Clouds	Introduction to Computer Networks, Programming Design