



## NETWORKING ESSENTIALS MODULE

**DURATION:** 39 hours

### PROGRAM OBJECTIVE

This course introduces the fundamental building blocks that form a modern network, such as protocols, topologies, hardware, and network operating systems. It then provides in-depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, and security. After completing the course, students will be prepared to select the best network design, hardware, and software for your environment. They will also have the skills to build a network from scratch and maintain, upgrade, and troubleshoot an existing network. Finally, they will be well prepared to pass Networking Fundamentals MTA exam 98-366.

### MODULE OUTLINE

- Introduction to Networking
- Network Infrastructure and Documentation
- Addressing on Networks
- Network Protocols and Routing
- Network Cabling
- Wireless Networking
- Virtualization and Cloud Computing
- Subnets and VLANs
- Network Risk Management
- Security in Network Design
- Wide Area Networks

### CERTIFICATIONS

- CompTIA Network+, CCNA

### ENROLMENT INFORMATION

To register in the Networking Essentials Program, go to <https://www.wilfredinstitute.com>. Under the **Programs** tab, there will be an enrolment form at the bottom of the page. Students wishing to enroll must complete this form and wait for a member of our team to make contact. Students should be prepared to present supporting documents providing proof of a high-school diploma or equivalent. Any questions regarding academic requirements and the submission of documents (once requested by our Admissions staff) are to be directed to [admissions@wilfredinstitute.com](mailto:admissions@wilfredinstitute.com)