

2023-24 ACADEMIC COURSES

CNT 226 : ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION (ENSA)

The third course in the CCNAv7 curriculum describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. This course covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access. Enterprise Networking, Security, and Automation (ENSA) also introduces software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Students gain skills to configure and troubleshoot enterprise networks, and learn to identify and protect against cybersecurity threats. They are introduced to network management tools and learn key concepts of software-defined networking, including controller-based architectures and how application programming interfaces (APIs) enable network automation. The title of this course was previously Scaling Networks.

Level I Prereq: Academic Reading and Writing Levels of 6; CNT 216 minimum grade "C-" or equivalent

Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	60

Accurate as of 02/03/2023 Information is subject to change without notice.