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## 2024-25 ACADEMIC COURSES

### **CST 185 : LOCAL/MOBILE NETWORK ESSENTIAL**

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In this course, students learn basic networking concepts including the roles of various network devices, how they are connected and how they communicate. Students are introduced to concepts of peer-to-peer, client/server relationships, network topologies, media, network architectures, the open systems interconnection (OSI) and Transmission Control Protocol (TCP)/Internet Protocol (IP) models, Ethernet, TCP/IP protocols, IPv4/IPv6, Media Access Control (MAC) addressing, routing, Network Address Translation (NAT), virtual private networks (VPNs), wireless technologies, wireless access points and security, Bluetooth, Near Field Communication (NFC), and Dedicated Short-Range Communication (DSRC). The course also provides a strong foundation towards preparation for the CompTIA Network+ Exam. Level I Prerequisite: Academic Reading and Writing Levels of 6 Level II Prerequisite: CST 160

**Level I Prereq:** Academic Reading and Writing Levels of 6

<b>Description</b>	<b>Hours</b>
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	60

Accurate as of 07/12/2024 Information is subject to change without notice.