

A decorative graphic on the left side of the slide, consisting of a network of yellow lines and circles that resemble a circuit board or a neural network. The lines are of varying thickness and connect to small circles at various points, creating a complex, branching pattern that extends from the top to the bottom of the slide.

# UNIFIED COMMUNICATIONS 1


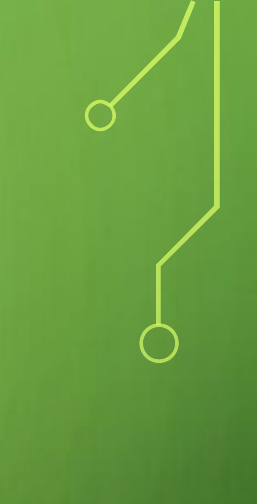
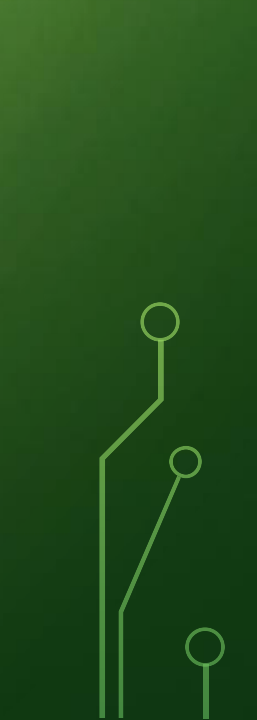
(A.K.A. UC1)

# CLASS DESCRIPTION

- **This course is intended to help students implement and manage IP Telephony network solutions - Voice over IP (VoIP)**
  - VoIP = communications services —voice, fax, SMS, and/or voice-messaging applications— that are transported via the internet or local area network, rather than the public switched telephone network (PSTN).
- **UC1 will focus on the core components of VoIP: current data network design for IP Telephony, IP call management software, and voice mail systems.**



# BENEFITS TO YOU

- This class is the correct pathway to obtaining the CCNA VOICE (640-461) certification and is required for the Network Specialist Associate degree at NTC.
  - This class will feed into UC2.
  - Between UC1 and UC2 you will be able to support both Data and Voice networks; implementing both is becoming the norm!
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# THINGS YOU GET TO PLAY WITH!

- State-of-the-art Cisco Routers and Switches
  - Cisco 2800 Series Routers
  - Cisco 3550 Series Switches
- State-of-the-art IP Phones
  - Cisco CP-7940
- Integration with Windows Server 2012 and Cisco IP phone management software (Cisco Unified Call Manager Express)
- New protocols and interfaces
- Implementing phone security and dial plans



# COLLABORATION

- You will work in teams.
  - You will be directed by your instructor, but will run the show!
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# CLASS SYLLABUS/TIME TABLE

- Click [here](#) to open the Class Syllabus/Time Table.

(This information can also be obtained from the Course Information folder)