

# Wireless Certification

## Wireless Communication Systems



◆ Become certified as:

**Wireless Communication Systems Entry Level Technician (WCSE)**

- ◆ Learn the fundamentals of Wireless Communication Systems
- ◆ Prepares students for taking Wireless assessment tests
- ◆ Master the following **learning objectives**:



- History of Cellular
- Design and Operation
- Radio Frequency (RF)
- Cellular Market Structure
- Radio Spectrum
- Bits to Bytes, download speeds
- Mobile Network Components
- Cellular Principles and AMPS (1G)
- Digital Radio (2G)
- 3G (CDMA) & 4G LTE
- Antennas & Transmission Lines\*
- Signal Processing\* / Signal Sources\*
- Satellite Communications\*
- Towers/Stealth Towers
- Backhaul Technology
- Cloud/Mesh Technology
- Network Operations Center
- Global Network Operations Center
- Business Side of Wireless/Wireless Market Place
- Voice over the Internet (VoIP)
- Microwave Techniques\*
- Cell Base Stations: Macrocells, Microcells, Picocells and Femtocells
- Wireless Networks
- Bluetooth
- Spectrum Sharing/Multiplexing Technologies: FDMA, TDMA, CDMA, CDMA/2000 1x GSM & OFDM(4G) \*
- Public Switching Telephone Network (PSTN)  
Mobile Telephone Switching Office(MTSSO)

◆ **The Course**

- Presented in a step-by-step, easy to follow format
- 25 hour, business day or after-hours class
- Includes academic and **PRACTICAL TRAINING**
- Tuition \$1195 (\$1099-GSA) includes instruction, fees, & books
- Meets six (6) applicable Skill Codes, noted with \* above

◆ **Elkins Training Company**

- 60+ years of experience in technical training, testing and licensing



*\*Course is accredited by the University of Phoenix*



**Training Provider Name:** Elkins Training Company  
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