

WIRELESS NETWORKING, PROFICIENCY AWARD

This award recognizes proficiency in wireless networking including IEEE 802.11 protocols, wireless security, RF signal characteristics, antenna types, and design.

Course ID	Title	Units/ Hours
Required Core Courses		
CNIT R127	Wireless Networking Fundamentals	3
CNIT R120 or CNIT R144	Cisco CCNA Computer Networking I CompTIA Network+ Fundamentals and Certification Preparation	4
Total Units		7

For more information, see Earn a Proficiency Award. (<http://catalog.vcccd.edu/oxnard/graduation-requirements/earn-pa/>)

Upon successful completion of this program, students will be able to:

- Demonstrate proficiency in configuring a wireless LAN network configuration utility to create a profile and connect to a specific SSID and specific encryption type.
- Demonstrate the ability to create a layered wireless security defense including strong encryption, MAC filter, complex admin password, and a non-broadcast SSID.
- Identify common antenna types used in WLANs and specify their approximate gain and coverage pattern.
- Demonstrate competency in soft skills to include the ability to communicate effectively and problem solve.