

Collin College - Continuing Education COURSE SYLLABUS

COURSE INFORMATION

Course Number: ITNW 1005

Course Title: CWS – Certified Wireless Specialist

Course Description: Preparation for Certified Wireless Specialist CWS-100 certification exam.

Suggested Course Prerequisite(s): The Certified Wireless Specialist (CWS) is a certification that validates the knowledge of wireless sales, marketing, entry-level support, and decision-making professional related to the 802.11 wireless networks.

Course Resources: Registration fee includes required course materials and exam voucher.

Student Learning Outcomes: Demonstrate knowledge of the language of Wi-Fi and typical hardware and software used in wireless local area networks (WLANs) including radio frequency (RF) and Wi-Fi client devices. Industry Certification with 70% passage of the Certified Wireless Specialist (CWS-100) exam.

Next course recommendation:

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Lesson Plan – by week or session:

Session 1: Radio Frequency (RF)

Session 2: RF Hardware

Session 3: The 802.11 Standard

Session 4: Channel Plans and Performance Factors

Session 5: WLAN, Security, BYOD, and Guest Access

Session 6: Enhanced 802.11 Functions

Session 7: Wireless Access Points (APs)

Session 8: Wireless Client

Session 9: WLAN Requirements

Session 10: CWS Certification Exam

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance and passing the course certification exam. Students must be in attendance 90% of each course in a certificate series for successful completion. To earn the CWS certification, the student must pass an online exam with a score of 70% or higher.