MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. CST	COURSE NUMBER: 2600
NUMBER OF CREDITS: 3	Lecture: 2 Lab: 1 OJT: 0
Course Title:	
Fundamentals of Wireless Networking	
Catalog Description:	
Fundamentals of Wireless Networking course pr communications including in-depth coverage of wireless standards. Many hands-on exercises are skills as they are learned.	protocols, transmission methods, and IEEE
Prerequisites or Necessary Entry Skills/Knowledge:	
None	/Kilowicuge.
applicable) □Goal 1: Communication: By meeting the follow □Goal 2: Critical Thinking: By meeting the follow □Goal 3: Natural Sciences: By meeting the follow □Goal 4: Mathematics/Logical Reasoning: By meeting and 5: History and the Social and Behavioral scompetencies: □Goal 5: History and the Social and Behavioral scompetencies: □Goal 6: The Humanities and Fine Arts: By meeting Goal 7: Human Diversity: By meeting the follow □Goal 8: Global Perspective: By meeting the follow □Goal 9: Ethical and Civic Responsibility: By meeting □Goal 10: People and the Environment: By meeting	owing competencies: owing competencies: seeting the following competencies: Sciences: By meeting the following eting the following competencies: owing competencies: lowing competencies: seeting the following competencies:
Topics to be Covered	
Wireless Communications	
Wireless Data Transmission Antennas	
Introduction to Wi-Fi WLANS	
WLANs and WLAN Security	
Radio Frequency Identification and Near-Field C	Communication

Student Learning Outcomes	
Describe a wireless LAN.	
Describe the history of wireless networking.	
Identify the hardware components of a wireless network.	
Design a wireless network topology.	
Describe wireless transmission methods.	
Configure wireless hardware components.	
Configure the client and adaptors for a wireless network.	
Identify antenna types and functions.	
Describe wireless security.	
Perform a site survey for a wireless network.	
Install a wireless network.	
Describe the duties of a wireless network administrator.	
Is this course part of a transfer pathway: Yes □ No ☒	
*If yes, please list the competencies below	

Revised Date: 3/29/2022