DEPT.  Computer Careers                        COURSE NUMBER:  CST 2240
NUMBER OF CREDITS:  2
COURSE TITLE:  Home Networking

CATALOG DESCRIPTION : COURSE DESCRIPTION
This course is designed to help students prepare for the CompTIA HTI+ certification exam. This is a
practical approach to networking technologies, audio visual systems automation methods, and
telecommunication techniques that converge in integrated home technology.

AUDIENCE  : Networking Specialist Students or anyone interested in home networking

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area:       by meeting the following competencies:
Area:       by meeting the following competencies:
Area:       by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Completion of CST 1190 Intro to
Networking or Network + Certification
LENGTH OF COURSE : 3 Credits

THIS COURSE IS USUALLY OFFERED:
Every other year □    fall ☑   spring □   summer □   undetermined □

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The academic objectives of this course are:
   a. 
   b. 
   c. 

THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills through:
   d. 
   e. 
   f. 
   g. 

2) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through:
   a. 
   b. 
3) **HUMAN DIVERSITY:** This course will help students recognize, understand, and appreciate human diversity through:

   a.

   b.

**TOPICS TO BE COVERED:** Areas involved in home networking including: wiring, audio & visual components, heating & ventilation, security, telecommunications & home lighting controls.

**LIST OF EXPECTED COURSE OUTCOMES:** Student will be prepared to pass CompTIA HTI+ certification test. Student will be ready to be a consultant to help with home networking issues.

**LEARNING/TEACHING TECHNIQUES** used in the course are:
- Collaborative Learning
- Student Presentations
- Creative Projects
- Lecture
- Demonstrations
- Lab

**ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:**
- Reading
- Oral Presentations
- Textbook Problems
- Group Problems
- Other (describe below)

**EXPECTED STUDENT LEARNING OUTCOMES:**
1. List HTI+ certification objectives
2. Home Technology Network Basics
3. Install central components and low-voltage wiring
4. Identify High-voltage wiring
5. Demonstrate video & audio fundamentals
6. Identify Security and access system fundamentals and installation
7. Describe Telecommunications fundamentals and installation
8. Identify Home lighting control
9. Identify Heating, Ventilations, and air-conditioning components as related to networking the home

"This course will cover the characteristics of hazardous wastes and its safe handling, storage, and disposal."

**Veteran Services:** Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

**To receive accommodations for a documented disability, please contact the campus Student Services Advisor as soon as possible. Students are also encouraged to notify the instructor.**

This document is available in alternative formats to individuals with disabilities by
contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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The information in this course outline is subject to revision.