DEPARTMENT: Computer Support Technology       COURSE NO: CST 1200
COURSE TITLE: Introduction to Information Security       CREDITS: 3

CATALOG DESCRIPTION

This course will introduce the student to the need for information security, including the ethical, legal and professional security issues. The student will assess, identify and control security risks, identify secure network design, plan for disaster recovery, setup security policies and secure employment practices. This is the first in a series of courses designed to understand and manage information security and will touch on most aspects of information security.

AUDIENCE

This course is for students and professionals that are responsible for the security of information in their organization, including accountants, computer technicians, managers, administrators and support staff.

FULFILLS MN TRANSFER CURRICULUM AREA(S): Does not apply

PREREQUISITES OR NECESSARY SKILLS/KNOWLEDGE: It is required that the student successfully completes the following courses:
CSCI 1102 – Introduction to Microcomputers
CST 1190 – Introduction to Networking or
CST 1195 – Information Security Network Basics

LENGTH OF COURSE: 3 lecture hours per week for 16 weeks or the equivalent if delivered via distance learning.

THIS COURSE IS USUALLY OFFERED:
Every other year ☐   Fall X   Spring ☐   Summer ☐   Undetermined ☐

Four goals are emphasized in courses at Minnesota West Community and Technical College:

1. ACADEMIC CONTENT: The student will achieve the knowledge and skill needed in the area of Information Security Administration.
2. THINKING SKILLS: The student will have an understanding of the rational, theory and components of Information Security.
3. COMMUNICATION SKILLS: The student will begin to demonstrate appropriate communication techniques in working with the internet and fellow students to complete assignments.
4. HUMAN DIVERSITY – The student will gain self-awareness regarding their feelings towards people of different cultures, value systems and socioeconomic status.

Topics to be covered:

1. Define Information Security
2. The need to secure our information
3. Potential risks and how can we control them
4. Design of a secure network
5. Disaster planning and recovery
6. Security policies and personnel

LIST OF EXPECTED COURSE OUTCOMES:
1. Define Information Security
2. Describe the need for information Security
3. Identify security threats
4. Describe the security planning process
5. Identify and describe laws relating to information security
6. Describe ethical issues relating to Information Security
7. Describe risk management techniques
8. Create security policies
9. Identify secure network design
10. Identify disaster recovery components
11. Describe physical security
12. Describe cryptography
13. Create a plan for the implementation of information security
14. Identify credentials for security personnel
15. Create security policies for personnel
16. Describe security maintenance responsibilities

LEARNING/TEACHING TECHNIQUES used in the course are:
X Collaborative Learning                              X Student presentations
X Creative Projects                                   X Lecture
X Problem Solving                                    X Interactive Lectures
X Individual Coaching                                 X Films/Videos/Slides
X Demonstration                                       X Labs

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading                                            X Tests                                            X Individual Projects
X Oral Presentations                                 X Worksheets                                        X Collaborative Projects
X Textbook Problems                                  X Papers                                            □ Portfolios
X Group Problems                                      □ Term Papers                                       X Performance Exams
X Other

The information in this course outline is subject to revision

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 reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their 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.

A Member of the Minnesota State Colleges and Universities System
An Affirmative Action Equal Opportunity Educator/Employer