





9. Explain the basic principles of cryptography
10. Demonstrate techniques for using and managing encryption keys
11. Discuss the principles of good operational security
12. Explain how to create a Security Policy, and procedures related to computer security
13. Explore strategies of establishing operating system security on the following operating systems:
  - a. Windows
  - b. Linux
  - c. Novell
14. Discuss various network security professional certifications

#### LEARNING MATERIALS:

Ciampa, Mark. (2012). *Security+ Guide to Networking Security Fundamentals* (4<sup>th</sup> ed.). Course Technology, ISBN# 9781111640125

Cretaro, Paul. (2012). *Lab Manual for Security+ Guide to Network Security Fundamentals* (4<sup>th</sup> ed.) Course Technology ISBN 9781111640132

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

#### COURSE APPROVAL:

Prepared by: Alan Evans	Date: 3/2006
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: Fall, 2006
Revised by: Kathleen Kelly	Date: 7/12/2012
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed.D.	Date: 9/10/2013
Revised by: Anil Datta	Date: 4/12/2016
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed.D.	Date: 6/2/2016

*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*