CPTR2236 - Network Security

Credits:	3 (2/1/0)
Description:	This course deals with the understanding of basic network security. Students learn how to manage systems to guard against various security threats.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	• CPTR2272
Competencies:	1. Identify network security threats. 2. Administer encryption and authentication for wireless networks. 3. Examine protecting advanced communications. 4. Identify web-related threats. 5. Perform network hardening. 6. Examine e-mail threats. 7. Configure VPNs for secure sessions. 8. Analyze remote access security and social engineering threats. 9. Identify software exploits. 10. Examine major types of attacks on information systems. 11. Identify the factors in a secure network strategy. 12. Practice securing web communications utilizing SSL/TLS. 13. Examine cryptography. 14. Apply IPSec policies. 15. Explore basic computer forensics methods. 16. Plan a patch management strategy for network servers. 17. Analyze the role of firewalls, routers and switches in security. 18. Examine intrusion detection systems.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.

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