

Curriculum Approval and Review

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CPTR2236 - Network Security

Revision summary

Authors

Tim Preuss

Requested start date

N/A

Status

Approved on February 28th, 2011 at 11:59 AM

Course summary

Type

Career

Repeatable for additional credit?

No

Discipline

Computer Careers

Status

Active

Delivery methods

Campus, eCampus

Start date

08/16/2005

Credits

3 (2/1/0)

End date

N/A

Rationale

This is a course clean up.

Description

This course deals with the understanding of basic network security. Students learn how to manage systems to guard against various security threats.

Pre-requisites

[CPTR1148](#) AND [CPTR2272](#)

Co-requisites

(None)

Competencies

- Identify network security threats.
- Administer encryption and authentication for wireless networks.
- Examine protecting advanced communications.
- Identify Web related threats.
- Perform network hardening.
- Examine e-mail threats.
- Configure VPNs for secure sessions.
- Analyze remote access security and social engineering threats.
- Identify software exploits.
- Examine major types of attacks on information systems.
- Identify the factors in a secure network strategy.
- Practice securing web communications utilizing SSL/TLS.
- Examine cryptography.
- Apply IPsec policies.
- Explore the basic computer forensics methods.
- Plan a patch management strategy for network servers.
- Analyze the role of firewalls, routers and switches in security.
- Examine intrusion detection systems.

Revisions

Date	Status	Title
02/28/2011	Approved	Network Security
N/A	Approved	Network Security

Affected programs

Credential	Title
AAS	Information Technology
AS	Information Technology
Diploma	Information Technology
AAS	Information Technology Systems Support
AAS	Network Administration and Security
Certificate	Network Security
Diploma	Network Technology Administration

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