

Curriculum Approval and Review

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CSEC2228 - Network Defense

Revision summary

Authors

Dr Eric Wilkens

Requested start date

N/A

Status

Approved on May 17th, 2011 at 9:15 AM

Course summary

Type

Career

Repeatable for additional credit?

No

Discipline

Computer Careers

Status

Active

Delivery methods

Campus, eCampus

Start date

11/28/2006

Credits

3 (2/ 1/ 0)

End date

N/A

Rationale

Course cleanup

Description

This course introduces the student to the various methodologies for defending the network. The student will be introduced to the concepts, principles, type and topologies of firewalls to include packet filtering, proxy firewalls, application gateways, circuit gateways and stateful inspection.

Pre-requisites

[CSEC1110](#) AND [CSEC2210](#)

Co-requisites

(None)

Competencies

- Outline physical security measures to current best practices.
- Identify personnel security practices and procedures.
- Explain software security best practices.
- Outline network security.
- Describe administrative security procedural controls.
- Define cryptosecurity.
- Indicate proper key management procedures.
- Interpret transmission security models.
- Name the elements of TEMPEST security.
- Complete firewall cryptography strategies.
- Distinguish firewall cryptography strategies.
- Construct a packet filtering firewall.
- Implement a proxy server.

Revisions

Date	Status	Title
05/17/2011	Approved	Network Defense
<u>N/A</u>	Approved	Network Defense

Affected programs

Credential	Title
AAS	Computer Network Security
AAS	Network Administration and Security
Certificate	Network Security

Minnesota State
Community and Technical College

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