Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code
NTWK

Course Number
2063

Course Title
Advanced Topics in Networking

Catalog Description
This course will cover varying advanced computer information topics in networking or cybersecurity. Topics offered will cover new developments in the changing environment of computer information, networking, or cybersecurity. This course may be repeated as topics vary. (Outside lab time will be required.)

Prerequisites
NTWK 2014 Networking and Information Systems
NTWK 2023 Network Administration I
Certain topics may require additional pre-requisites, instructor approval/override required.

Credit Hours
3 credit hours

Contact hours
45 lecture/lab contact hours

Load hours
3 load hours

Semesters Offered
On Demand

ACTS Equivalent
N/A

Grade Mode
A-F

Learning Outcomes

Students will:

- Evaluate the business environment as it relates to computer network design with specific consideration of the following: business culture, management style, budget constraints
- Evaluate the technical environment as it relates to computer network design within the business parameters
- Define and address the network needs of business and government offices at a time when information security is vital.
- Define the need for awareness of legal aspects of developing networks by a review of Homeland Security topics, as well as FERPA and HIPAA laws.
- Specific outcomes will change according to the course topic.

General Education Outcomes Supported

Students can use computers proficiently.

Standard Practices

Topics list

- Varies by the course topic

Learning activities

- Varies by the course topic
- This course requires some in class, hands-on work and also additional hands-on work in a virtual or on-campus computer lab.

Assessments

- Homework
- Lab assignments
- Hands-On activities
- Quizzes
- Projects
- Exams
- Skills exams

Grading guidelines

- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = 59 & below

Revision Date

May 20, 2020