Networking Curriculum

Networking introduces students to industry domains including network architecture; network operations; network security; network troubleshooting; industry standards, practices, and network theory; and workplace readiness and leadership skills. Particular emphasis is given to the use of critical thinking skills and problem-solving techniques.

Course 1:

Networking

Fundamentals 1

Networking Fundamentals provides students with classroom, laboratory, and hands-on experience in current and emerging networking technologies. Upon successful completion of the course sequence in the networking major, students will be able to seek employment or further their education and training in the information technology field. The networking student will benefit most from the curriculum if he or she possesses a strong background in reading, math, and problem-solving.

Course 2:

Fundamentals of Computing

Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem solving skills to implement projects that are relevant to students' lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design.

Course 3:

Advanced Networking

Advanced Networking is designed to provide students with classroom, laboratory, and hands-on experience in current and emerging networking technologies. Upon successful completion of the course sequence within the networking major, students will be able to seek employment or further their education and training in the information technology field.

Courses 4-6:

Electives

Students will choose 3 electives to take along side their required courses. Students may choose from the following:

Advanced Cybersecurity	Fundamentals of Web Page Design and Development
Advanced Web Page Design and Development	GIS Technology 1
AP Principles of Computer Science	GIS Technology 2
Computer Forensics	Global Logistics Course 1
Cybersecurity Fundamentals	Informatics Course 1
	IT Fundamentals