ITNW - CIS

ITNW 1007 Internet Basic 0.7-4 Credit Hours (7 to 40 Lec)

ITNW 1050 Intenet Intermediate 0.7-4 Credit Hours (7 to 40 Lec)

ITNW 1309 Fundamentals of Cloud Computing 3 Credit Hours (2 Lec, 4 Lab)
Introduction to Cloud computing from a business and technical perspective, including Cloud concepts, services, architecture, system integration, connectivity, data center migration, administration, security, compliance and technical support. Coverage includes preparation for industry certifications. Topics may adapt to changes in industry practices.
Course Type: Technical/Vocational Course

ITNW 1313 Computer Virtualization 3 Credit Hours (2 Lec, 4 Lab)
Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers.
Course Type: Technical/Vocational Course

ITNW 1316 Network Administration I 3 Credit Hours (2 Lec, 4 Lab)
An introduction to the basic concepts of network administration. (Spring only).
Course Type: Technical/Vocational Course

ITNW 1325 Fundamentals of Networking Technologies 3 Credit Hours (2 Lec, 3 Lab)
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.
Course Type: Technical/Vocational Course

ITNW 1335 Information Storage and Management 3 Credit Hours (2 Lec, 4 Lab)
An introduction to data storage-related technologies. Topics include data storage for cloud, Big Data, mobile, social media, and software-defined data centers. Provides a strong understanding of storage technologies and prepares students for advanced concepts, technologies, and processes.
Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, and ITSE 1346 with a grade of C or higher

ITNW 1337 Introduction to the Internet 3 Credit Hours (4 Lec, 1 Lab)
Introduction to the internet with emphasis on using the World Wide Web to locate, transfer, and publish information. Survey of emerging technologies on the internet.
Course Type: Technical/Vocational Course

ITNW 1413 Computer Virtualization 4 Credit Hours (2 Lec, 4 Lab)
Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers.
Course Type: Technical/Vocational Course

ITNW 1416 Network Administration I 4 Credit Hours (4 Lec, 1 Lab)
Course Type: Technical/Vocational Course

ITNW 1425 Fundamentals of Networking Technologies 4 Credit Hours (3 Lec, 2 Lab)
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. (Fall only)
Course Type: Technical/Vocational Course

ITNW 1436 Cloud Deployment & Infrastructure Management (Capstone) 4 Credit Hours (3 Lec, 3 Lab)
Focus on Cloud infrastructure, deployment, security models, and key considerations in migrating to Cloud computing. Includes the technologies and processes required to build on-premise and Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and management.
Prerequisite: ITSY 1342 with a grade of C or higher, ITSE 1303 with a grade of C or higher, and ITNW 1313 with a grade of C or higher

ITNW 1453 Supporting Network Server Infrastructure 4 Credit Hours (4 Lec, 1 Lab)
Installing, configuring, managing and supporting a network infrastructure. Fall only. Prerequisites: ITCC 1401 and ITSC 1458
Course Type: Technical/Vocational Course

ITNW 2305 Network Administration II 3 Credit Hours (3 Lec, 1 Lab)
Topics include network components, user accounts and groups, network file systems, file system security, and network printing. (Fall only)
Course Type: Technical/Vocational Course
Prerequisite: ITNW 1316 with a grade of C or higher

ITNW 2405 Network Administration II 4 Credit Hours (4 Lec, 1 Lab)
Topics include network accounts and groups, network file systems, file system security, and network printing. (Fall only) Prerequisite: ITNW 1316
Course Type: Technical/Vocational Course

ITNW 2427 Advanced Cloud Concepts 4 Credit Hours (3 Lec, 3 Lab)
Focus on enterprise Cloud architecture, with advanced topics including multi-Cloud platforms inclusive of computing, networking, storage, monitoring and database.

ITNW 2456 Designing a Network Directory Infrastructure 4 Credit Hours (4 Lec, 1 Lab)
Course Type: Technical/Vocational Course