

COMPUTER INFO TECH (ITNW)

ITNW 1308 Implementing and Supporting Client Operating Systems 3 Credits (2 Lec, 2 Lab)

This course covers the fundamentals of managing and configuring local, network, and distributed network clients. Topics may adapt to changes in industry practices.

Course Type: Technical

ITNW 1309 Fundamentals of Cloud Computing 3 Credits (2 Lec, 2 Lab)

This course is an 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

ITNW 1313 Computer Virtualization 3 Credits (2 Lec, 2 Lab)

This course explores the implementation and support virtualization of client servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstation and servers.

Course Type: Technical

ITNW 1325 Fundamentals of Networking Technologies 3 Credits (2 Lec, 2 Lab)

This course covers 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

ITNW 1336 Cloud Deployment & Infrastructure Management 3 Credits (2 Lec, 2 Lab)

This course focuses 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(s): ITNW 1309

Course Type: Technical

ITNW 1345 Implementing Network Directory Services 3 Credits (2 Lec, 2 Lab)

This course provides students with in-depth coverage of the skills necessary to install, configure, and administer Network Directory service.

Prerequisite(s): ITNW 1354 or Department Chair approval

Course Type: Technical

ITNW 1353 Supporting Network Server Infrastructure 3 Credits (2 Lec, 2 Lab)

This course covers installing, configuring, managing, and supporting a network infrastructure. (Non-vendor specific course).

Prerequisite(s): ITNW 1354 or department chair approval

Course Type: Technical

ITNW 1354 Implementing and Supporting Servers 3 Credits (2 Lec, 2 Lab)

This is a course in the development of skills necessary to implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment.

Prerequisite(s): ITSC 1305 or Department Chair approval

Course Type: Technical

ITNW 2327 Advanced Cloud Concepts 3 Credits (2 Lec, 2 Lab)

This course focuses on enterprise Cloud architecture, with advanced topics including multi-Cloud platforms inclusive of computing, networking, storage, monitoring, and database.

Prerequisite(s): ITNW 1336

Course Type: Technical

ITNW 2352 Administering SQL Server 3 Credits (2 Lec, 2 Lab)

This is a skills development course in the installation, configuration, administration, and troubleshooting of SQL Servers client/server database management system version.

Prerequisite(s): ITSW 2337 and ITNW 1325 or department chair approval

Course Type: Technical

ITNW 2353 Advanced Routing and Switching 3 Credits (2 Lec, 2 Lab)

This course covers advanced concepts for the implementation, operation, and troubleshooting of switched and routed environments. Emphasizes advanced routing protocols, Multi Protocol Label Switching (MPLS), and advanced security.

Prerequisite(s): ITNW 1325 or ITCC 1314

Course Type: Technical

ITNW 2354 Internet/Intranet Server 3 Credits (2 Lec, 2 Lab)

This course covers advanced concepts in the designing, installing, and administration of an Internet/Intranet server.

Prerequisite(s): ITNW 1325 or ITCC 1314 or department chair approval

Course Type: Technical

ITNW 2364 Practicum (or Field Experience) - Computer Systems Networking and Telecommunications 3 Credits (0 Lec, 21 Lab)

This course offers practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite(s): ITNW 1336,

Prerequisite with concurrency: ITNW 2427

Course Type: Technical