

COMPUTER SYSTEMS AND INFORMATION TECHNOLOGY (CSIT)

CSIT 1103, Introduction to Programming (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course is an introduction to program development using various problem-solving techniques. Emphasis is placed on using algorithms and pseudocode to design programs. Various control structures used in computer programming are also discussed. This course may not be transferable to a University for use towards a 4-year degree program.

CSIT 1213, IT Hardware Support (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course covers the fundamentals of computer technology. Such as installation and configuration of PCs, Mobile Devices, and Printers. Fundamental Networking concepts are also introduced. This course follows preparation materials used for the CompTIA A+ Core 1 Exam. This course may not be transferable to a university for use towards a 4-year degree program.

Corequisite(s): CSIT 1303

CSIT 1303, IT Software Support (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course covers the fundamentals of software troubleshooting and support. Key topics include PC and Mobile Operating Systems such as Windows, MacOS, Linux, Android, iOS, and iPad OS. Common configuration, troubleshooting, and basic use are covered. This course follows preparation materials used for the CompTIA A+ Core 2 Exam. This course may not be transferable to a university for use towards a 4-year degree program.

Corequisite(s): CSIT 1213

CSIT 1403, Network Essentials (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course focuses on the fundamental structure of Internet Protocol networks. Network Services are covered in detail. Management, configuration, and troubleshooting of network infrastructure are amongst the key topics. This course follows preparation materials used for the CompTIA Network+ Exam. This course may not be transferable to a university for use towards a 4-year degree program.

Prerequisite(s): (CSIT 1213 or CSCI 1210) or (CSIT 1303 or CSCI 1300).

CSIT 1513, Introduction to Scripting (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course introduces students to scripting using Microsoft PowerShell. Emphasis is placed on using the Microsoft Knowledgebase and scripting within the Windows Operating System.

CSIT 1603, Introduction to Virtualization (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course addresses how to make clear and conscious decisions about cloud technologies. Students will learn what cloud computing means from a business and technical perspective by evaluating business use cases, and also what is involved with using the cloud and the financial impact of deploying to and governing the cloud. You can also take this course to prepare for the CompTIA Cloud Essentials+ certification examination. This course may not be transferable to a University for use towards a 4-year degree program.

CSIT 1703, Microsoft Windows Servers (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

An introduction to Windows Servers. Students will work on Implementing, Managing, and Monitoring Network Services on a Windows Server as well as work with Active Directory. This course may not be transferable to a University for use towards a 4-year degree program.

Prerequisite(s): (CSIT 1213 or CSCI 1210) and (CSIT 1303 or CSCI 1300).

CSIT 2223, Intro to Cloud Computing (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This course gives a more detailed view of cloud computing. It approaches cloud computing from a business perspective and from a technical perspective. This course uses preparation material for the CompTIA Cloud+ Exam. This course may not be transferable to a University for use towards a 4-year degree program.

Prerequisite(s): (CSIT 1213 or CSCI 1210) and (CSIT 1303 or CSCI 1300).

CSIT 2303, Linux I (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This is the first of a two-part series on Linux administration skills. Focusing on foundational Linux concepts and core tasks. These courses prepare students for the Linux Professional Institute LPIC-1 Certification. This course may not be transferable to a University for use towards a 4-year degree program.

Prerequisite(s): CSIT 1403, CSCI 1400 or 1210.

CSIT 2403, Network Security Design (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

An introduction to fundamentals on designing, planning, and executing vulnerability analysis of networks. Students will work on multiple topics to include, but not limited to: System Security, Network Infrastructure, Access Control, Assessments & Audits, Cryptography, and organizational Security. This course is mapped to the CompTIA Security+ Exam. This course may not be transferable to a University for use towards a 4-year degree program.

Prerequisite(s): CSIT 1403 or CSCI 1400.

CSIT 2603, Linux II (3 Credit Hours)

3 lecture hours per week, 0 lab hours per week, 3 contact hours per week

This is the second of a two-part series on Linux administration skills. Focusing on foundational Linux concepts and core tasks. These courses prepare students for the Linux Professional Institute LPIC-1 Certification. This course may not be transferable to a University for use towards a 4-year degree program.

Prerequisite(s): CSIT 2303 or CSCI 2300.

CSIT 2913, CSIT Capstone (3 Credit Hours)

0 lecture hours per week, 6 lab hours per week, 6 contact hours per week

This course allows students to apply topics learnt throughout the program and prepares them to transition into a work environment. Note: To enroll in the Capstone course, students must have completed with a "C" or better at least 30 credit hours within the program. This course may not be transferable to a University for use towards a 4-year degree program.

CSIT 2993, CSIT Internship (3 Credit Hours)

0 lecture hours per week, 9 lab hours per week, 9 contact hours per week

Students are placed with pre-qualified businesses that offer a broad range of cyber information technology experiences to augment didactic preparation. Note: To enroll in the Internship course, students must have completed with a "C" or better at least 30 credit hours within the program. This course may not be transferable to a University for use towards a 4-year degree program.