

Computer Information Technology Career Exploration Track

Program Description:

The BSCIT program provides students with hands-on skills for various specializations in Information Technology (IT). Students have the option of specializing in Networking, Cyber Security or System Administration. The IT exploration track provides students the fundamental knowledge required in succeeding in any of the IT specializations.

Course Plan:

Semester	Course
1 st Semester	CIT 130: Information Technology Fundamentals AND CIT 171: Introduction to Linux
2 nd Semester	INF 120: Elementary Programing
3 rd Semester	INF 284: Intro to Computer Networks
4 th Semester	INF 286: Introduction to Web Development

Course Descriptions:

CIT 130: Information Technology Fundamentals

Prerequisite: P in MAT 101 or placement, and ENG 101 ready

Introduction to the organization of computers, operating systems, and networks; comparison of common operating systems; hands-on experience in PC construction and configuration; command-line usage of Windows and Unix/Linux systems; data representation; overview of the information technology industry and its societal context.

CIT 171: Introduction to Linux

Prerequisite: ENG 101 ready

Students learn how to navigate and perform basic tasks in the Linux operating system command line interface through hands-on experience.

INF 120: Elementary Programing

Prerequisite: C- or better in MAT 102 or ACT Math of 25

An elementary introduction to programming for those with no previous programming experience. Emphasis on understanding how to read and write basic procedural programs, and on understanding the concepts of algorithm and execution. General Education Credit: Natural Science

INF 284: Intro to Computer Networks

Prerequisite: C- or better in MAT 102 (or higher) and one of the following: INF 110, INF 120 or CIT 130. Introduction to computer networking principles, focusing on network applications such as HTTP, Email, DNS, SSH and DHCP. Various protocols in the TCP/IP stack and emerging networking technologies are covered. Lab exercises reinforce concepts.

INF 286 Introduction to Web Development

Prerequisite(s): C- or better in MAT 103 (or higher).

An introduction to web design and development for majors in the informatics fields. Web page creation with use of HTML, CSS and JavaScript. Website development best practices. Website development process.

Links:

[Computer Information Technology Program Website](#)