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:

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Course Descriptions:

**CIT 130: Information Technology Fundamentals**
Prerequisite: C- or better in MAT 101 or ACT Math of 22 and ACT benchmark in English
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: C- or better in MAT 101 or ACT Math of 22
Students learn how to navigate and perform basic tasks in the Linux operating system command line interface through hands-on experience.

**INF 120: Elementary Programming**
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 103 or ACT Math of 27
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]