Information Technology Program Curriculum Guide

Bachelor of Science in Information Technology

Major Code: 0432

(Effective 2019-2020)

Freshman Year

First Semester		Credits	Second Semester		Credits
CST 120	Fundamentals of Technology	3	CST 112	Electric Circuits I	3
CST 130	Intro to Unix/Linux	3	CST 122	Electric Circuits I Lab	1
ENGL 100	Ideas and Their Expressions I (WC)	3	CST 140	Intro to Computer Programming	3
FRST 101	University Experience (SS) (2)	1	CST 150	Intro to Computer Programming Lab	1
MATH 110	Pre-Calculus for Eng/Sci (MLAR)	4	ENGL 101	Ideas and Expressions II (WC) (2)	3
	Global Awareness (GA)(2)	3	MATH 131	Calculus I (MLAR)	4
		17			**15**

Sophomore Year

First Semester		Credits	Second Semester		Credits
CST 231	Web Systems	3	CST 225	Computer Database Manag I	3
CST 240	Applied Java Programming	3	CST 235	Computer Database Manag I Lab	1
MGMT 220	Business Environment	3	CST 285	Economic and Social Impacts of IT	3
	Social & Behavioral Sciences(SBS)(1)	3	SPCH 250	Speech Fundamentals (HFA)(1)	3
	Scientific Reasoning with Lab(2)	4		Scientific Reasoning (SR)(2)	**3**
				African-American studies (AA)(1)	3
		16			**16**

Junior Year

First Semester		Credits	Second Semester		Credits
CST 325	Computer Database Management II	3	CST 300	Introduction to Project Management	3
CST 329	Computer Networking I	3	CST 315	Network Security Applications	3
CST 339	Computer Networking I Lab	1	CST 317	Human Computer Interaction	3
MATH 224	Introduction to Probability and Statistics	3	CST 430	Linux System Administration	3
	Track Elective TE (3)	3		Track Elective TE (3)	3
		13			**15**

Senior Year

First Semester		Credits	Second Semester		Credits
CST 460	System Integration & Architecture	3	CST 499	Senior Capstone Experience	3
CST 496	Senior Colloquium	1		MGMT Elective(4)	3
CST 498	Senior Capstone Project	3		Track Elective TE (3)	3
	MGMT Elective(4)	3		Track Elective TE (3)	3
	Free Elective (4)	3		Free Elective(4)	3
		13			**15**
	Total Credit Hours:	**120**			

(1). SBS/GA/AA Electives from Approved List: These must be selected from three different pools. If a course meets requirements in two or more outcomes, the student has the option to use the course for one outcome and must select another course to fulfill the requirement for each outcome.

(2). Scientific Reasoning Electives: Students must complete at least one lab-based science course. Refer to the University website for an up to date listing of acceptable courses.

(3). Technical Electives: Any CST course that is not already a required course may be used as a technical elective. In addition, students may petition to have other technical or math courses counted as technical electives.

(4). MGMT Electives: Students must earn at least 6 credit hours in the MGMT courses.

(5). Free Electives: Any course at or above the 100 level may be taken as a free elective.