## **Computer Information Systems and Sciences Prerequisite Flowchart**

## Community College Program of Study for Transfer Leading to a Computer Information Systems and Sciences Program

## **FRESHMAN YEAR**

First Semester (Fall)		SCH	Second Semester (Spring)		SCH
BCIS 1305/1405	Business Computer Applications	3 or 4	COSC 1337/1437	Programming Fundamentals II	3 or 4
COSC 1336/1436	Programming Fundamentals I	3 or 4	MATH 1325/1425	Math for Business and Social Sciences II**	3 or 4
MATH 1324/1424	Math for Business and Social Sciences I**	3 or 4	SPCH 1315 or	Public Speaking* or	2
or 1314/141	College Algebra	3014	SPCH 1321	Business & Professional Communication*	3
XXXX ####	TX Core Curriculum	3	XXXX ####	TX Core Curriculum	3
XXXX ####	TX Core Curriculum	3	XXXX ####	TX Core Curriculum	3
-		15-18	·		15-17

## **SOPHOMORE YEAR**

First Semester (Fall)		SCH	Second Semester (Spring)		SCH
COSC 2xxx	Visual Basic Programming for Windows <sup>#</sup>	3	MATH 2305/2405	Discrete Mathematics	3 or 4
ACCT 2401	Principles of Accounting I - Financial	3 or 4	COSC 2325/2425	Computer Organization	3 or 4
MATH 1342/1442 or 2342/244	Flementary Statistical Methods	3	XXXX ####	Application Environment Course***	3
ECON 1301 or	Economics* or	2	XXXX ####	TX Core Curriculum	2
2301 or 230	Macro- or Microeconomics*		^^^ ####	1x core curriculum	
XXXX ####	Application Environment Course***	3	XXXX ####	TX Core Curriculum	3
		15-16			15-17

<sup>\*</sup> Courses may apply towards TX Core Curriculum.

<sup>\*\*</sup> ABET accredited programs may require Calculus I. Please check with your terminal institution.

<sup>\*\*\*</sup> Please check with your terminal institution for applicable courses.

<sup>#</sup> A course new to the ACGM. This course would provide a thorough introduction to graphical user interface programming using visual programming tools. After this course students would be proficient in developing Windows programs. COSC 1436 (and maybe 1437) would be prerequisite.