

# BS in Computer Information Technology (CITE)

## Suggested Four-Year Plan

Year	Fall Semester	Spring Semester
<b>Freshman</b>	COSC 10403 Intro to Programming	COSC 20203 Techniques in Programming
	Math 10283 Applied Calculus (or Math 10524)	Math 20123 Discrete Math I
	Engl 10803 Intro Composition	Engl 20803 Intermediate Composition
	Elective – Religious Traditions	Elective – Cultural Awareness
	Elective – Historical Traditions	Elective – Literary Traditions
<b>Sophomore</b>	COSC 20803 Data Structures	COSC 30203 Computer System Fundamentals
	CITE 30103 Unix/Linux System Admin	CITE 30133 Advanced System & Network Admin
	Math 10043 Elementary Stat	Elective – CITE/COSC
	Elective – Social Sciences (or CITE 30023 Digital Explosion)	Elective – Fine Arts
	Elective – Global Awareness	Elective – Citizenship & Social Values
<b>Junior</b>	COSC 30603 Database Systems	CITE 30363 Web Technologies
	CITE 30153 Interface & Scripting Fundamentals	COSC 40053 Computer and Network Security
	Elective – CITE/COSC	COMM 10123 (or COMM 20103)
	Elective – Science	Elective – Science
	Elective - Free	Elective – Free
	Elective – Free	
<b>Senior</b>	COSC 40943 Software Engineering (or CITE 40643)	COSC 40993 Senior Design Project (or CITE 40993)
	Elective – CITE/COSC	Elective – Free
	Elective – Free	Elective – Free
	Elective – Free	Elective – Free
	Elective - Free	Elective – Free

NOTE: **124 hours are required for the degree.** 42 hours must be in upper division courses taken at TCU. If Math 10283 is taken instead of Math 10524, an additional hour is needed to meet the requirement of 124 hours.  
 9 hours of Humanities and 6 additional hours of Social Sciences must be covered in the HMV&V, or electives listed above. Be aware that many of the HMV&V courses couple with HE&E and will cover both requirements (max coupling is 24 hours).  
 COSC 40943 and COSC 40993 will cover the Writing Emphasis (WEM) requirement. CITE 30023 will cover the Social Sciences (SSC) and Citizenship & Social Values (CSV) requirements.