

2018-19
BACHELOR OF SCIENCE
CIS – SOFTWARE ENGINEERING AND
DATABASE DESIGN



TEXAS A&M
UNIVERSITY
CENTRAL TEXAS™

THIS IS A RECOMMENDED COURSE SEQUENCE

TRANSFER GUIDE

Freshman & Sophomore Level Coursework

Generally taken at a community college

<i>Texas Common Course Number</i>	<i>Course Title</i>	<i>Minimum Credits</i>
ENGL 1301 (010)	Composition I	3
ENGL 1302 (010)	Composition II	3
*MATH (020)	Math Core	3
*SCIENCE (030)	Science Core	3
*SCIENCE (030)	Science Core	3
*HUMANITIES (040)	LPC Core	3
*ARTS (050)	Arts Core	3

<i>Texas Common Course Number</i>	<i>Course Title</i>	<i>Minimum Credits</i>
*HIST 1301 (060)	US History Core	3
*HIST 1302 (060)	US History Core	3
*GOVT 2305 (070)	Government Core	3
*GOVT 2306 (070)	Government Core	3
Social Sciences (080)	Social/Behavioral Sciences	3
ECON 2302 (090)	Prin. of Microeconomics	3
SPCH 1311/1315/1321 (090)	Speech Elective	3

Junior & Senior Level Coursework

Generally taken at Texas A&M University-Central Texas

<i>TAMUCT Number</i>	<i>Course Title</i>	<i>Credits</i>
CIS 3360	Ethics in Computing	3
CIS 4351	IS Project Management	3
CIS 4341	Info Tech Security & Risk Mgmt	3
CIS 3315	Web Site Development & Design	3
CIS 4360	Strategic Information Systems	3
CIS 3347	Data Comm & Infrastructure	3
CIS 3365	System Analysis & Design	3
CIS 4301	Database Theory & Practices	3
CIS 4350	Management Infor Systems	3
BUSI 3311	Business Statistics	3
MGMT 3301	Principles of Management	3
CIS 3300 or COSC 1301	Computer Technology & Impact Introduction to Computing	3
ELECTIVES	Any Level Electives	12
CIS ELECTIVES	Any Level CIS Electives	6
CIS ELECTIVES	Advanced CIS Elective	3

<i>TAMUCT Number</i>	<i>Course Title</i>	<i>Credits</i>
CIS 3330 or CIS 3331 or CIS 3332 or COSC 1320 or COSC 1315	C++ Programming Visual Basic Programming Java Programming C Programming I Fundamentals of Programming	3
CIS 3303 or COSC 1309 or BCIS 1309	Programming Logic & Design Programming Logic & Design Intro to Programming Logic & Design	3
CIS 3340 or CIS 3341 or CIS 3342 or CIS 3343	Advanced C++ Programming Advanced Visual Basic Programming Advanced Java Programming C# Programming for Windows & Web	3
CIS 3351	Data Structures	3
CIS 4340	Algorithm Design and Analysis	3
CIS 4352	Structured Query Language	3
CIS 4379	Software Engineering for E-Business	3

Concentration

*Any approved course in that Foundational Component Area (FCA) at a Texas public college or university is acceptable; please speak with an A&M-Central Texas Academic Advisor to determine which choices may fit your education goals (Academic Advising Contact Information: ug.advising@tamuct.edu/(254) 501-5856). **Community college-level courses in bold are required for the major**; other courses may be used for core requirements, but these courses must still be completed in order to meet graduation requirements at TAMUCT.