

2018-19
BACHELOR OF SCIENCE
COMPUTER SCIENCE



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 2413 (020)	Calculus I	4
PHYS 2425 (030)	Univ. Physics I	4
PHYS 2426 (030)	Univ. Physics II	4
*HUMANITIES (040)	LPC Core	3
*ARTS (050)	Arts Core	3
*HIST 1301 (060)	US History Core	3
*HIST 1302 (060)	US History Core	3

<i>Texas Common Course Number</i>	<i>Course Title</i>	<i>Minimum Credits</i>
*GOVT 2305 (070)	Government Core	3
*GOVT 2306 (070)	Government Core	3
*SOCIAL SCI (080)	Soc/Behavioral Core	3
MATH 2314 (090)	Calculus II	3
^MATH 1342	Elementary Statistics	3
COSC 1315	Fundamentals of Prog	3
COSC 1336	Programming Fund I	3
COSC 1337	Programming Fund II	3
^MATH 2305	Discrete Mathematics	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>
COSC 3343	Computer Architecture	3
COSC 3351	Data Structures	3
COSC 3380	Operating Systems	3
COSC 4301	Database Theory & Practices	3
COSC 4340	Analysis of Algorithms	3
COSC 4341	Info Tech Security & Risk Mgt	3
COSC 4378	Computer Networks	3
CIS 3360	Ethics in Computing	3
ELECTIVE	Any Level Elective	3
ELECTIVE	Any Level Elective	3

<i>TAMUCT Number</i>	<i>Course Title</i>	<i>Credits</i>
CIS 3330 or CIS 3332 or CIS 3343 or CIS 3342 or CIS 3340	C++ Programming Java Programming C# Prog for Windows & Web Advanced Java Programming Advanced C++ Programming	3
MATH 3360 or MATH 3332	Numerical Analysis I Linear Algebra	3
ADV ELECTIVES	Faculty Advisor Approval Required	24

*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 A&M-Central Texas. ^MATH 1342 = MATH 3300; MATH 2305 = MATH 3310.