

2018-19
BACHELOR OF SCIENCE
MATHEMATICS – WITHOUT CERT



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)	University Physics I	4
*SCIENCE (030)	Science Core	4
*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 SCI (080)	Soc/Behavioral Core	3
CIS Elective (090)	COSC/BCIS Elective	3
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4

Junior & Senior Level Coursework

Generally taken at Texas A&M University-Central Texas

<i>TAMUCT Number</i>	<i>Course Title</i>	<i>Credits</i>
MATH 3301	Number Theory	3
MATH 3306 <u>or</u> 2320	Differential Equations	3
MATH 3309	Algebraic Function	3
MATH 3310	Discrete Mathematics	3
MATH 3311	Probability & Statistics I	3
MATH 3332	Linear Algebra	3
MATH 3360	Numerical Analysis I	3
ADV CS ELECT	Advanced CS Elective	3
SUPPORT FIELD	Any Level Support Field Electives	12

<i>TAMUCT Number</i>	<i>Course Title</i>	<i>Credits</i>
MATH 4309	Advanced Analysis I	3
MATH 4332	Abstract Algebra	3
MATH 3315	Math & Technology	3
MATH 3350	Prin of Bio-Statistics	3
MATH 3370	Intro to Linear Program	3
MATH 4302	College Geometry	3
MATH 4304/4304L	Survey of Math Ideas w/ Lab	4
ADVANCED SUPPORT	Advanced Support Field Electives	12

*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