

Bachelor of Science Computer Science 2023-2024 Transfer Guide

Core Requirements (Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010 ¹	CORE 010	Communications Core Selection	3
CORE 010 ¹	CORE 010	Communications Core Selection	3
MATH 2413	CORE 020	Calculus I	4
PHYS 2425	CORE 030	University Physics I	4
PHYS 2426	CORE 030	University Physics II	4
CORE 040 ¹	CORE 040	Language, Philosophy, and Culture Core Selection	3
CORE 050 ¹	CORE 050	Creative Arts Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 060 ¹	CORE 060	American History Core Selection	3
CORE 070 ¹	CORE 070	Government/Political Science Core Selection	3
CORE 070 ¹	CORE 070	Government/Political Science Core Selection	3
CORE 080 ¹	CORE 080	Social and Behavioral Sciences Core Selection	3
COSC 1336	CORE 090	Programming Fundamentals I	3
COSC 1337	CORE 090	Programming Fundamentals II	3
Subtotal			45

Additional Lower-Level Degree Requirements (Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
MATH 2414	Degree Requirement	Calculus II	4
MATH 1342 ⁵	Degree Requirement	Elementary Statistical Methods	3
MATH 2305 ⁶	Degree Requirement	Discrete Mathematics	3
Any Level Elective ^{2,3,4}	Degree Requirement	Any Level Elective	8
Subtotal			18

Upper-Level Degree Requirements Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3360	Ethics in Computing	3	COSC 3343	Computer Architecture	3
CIS 3330, CIS 3332, CIS 3340, CIS 3342 or CIS 3343	C++ Programming, Java Programming, Advanced C++ Programming, Advanced Java Programming or C# Programming for Windows and the Web	3	COSC 4379	Software Engineering for E-Business	3
MATH 3360 or MATH 3332	Numerical Analysis I or Linear Algebra	3	COSC 3351	Data Structures	3
COSC 4341	Information Technology Security and Risk Management	3	COSC 4340	Analysis of Algorithms	3
COSC 3380	Operating Systems	3	COSC 4378	Computer Networks	3
COSC 4301	Database Theory and Practices	3	Upper-Level Elective - Faculty Approved	Upper-Level Elective - Faculty Approved	21
CIS 3347	Data Communications and Infrastructure	3	COSC 4090	Computer Science Capstone Assessment	0
Subtotal					57
Total					120

Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at the transferring institution. For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

1. Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
2. Any-level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
3. Lower-Level Electives, Any Level Electives, Component Area Options, or Degree Requirements (DEG REQ) may consist of the FOS courses: MATH 2413, MATH 2414, MATH 2305, COSC 1436, COSC 1437, COSC 2436, PHYS 2425, PHYS 2426 (or 3 credit hour lecture and 1 hour lab courses for PHYS), one of the following: COSC 2325, COSC 2425.
4. A student may need to take foundation courses such as algebra, trigonometry, or pre-calculus before taking the required calculus courses. A student may apply up to 6 hours of these foundation courses as electives in the Lower-level Course Requirements.
5. Students can also fulfill this degree requirement by enrolling in MATH 3300.
6. Students can also fulfill this degree requirement by enrolling in MATH 3310.

