



Bachelor of Science Computer Science 2022-2023 Transfer Guide

Core Requirements			
(Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010	CORE 010	Communication Core Selection	3
CORE 010	CORE 010	Communication 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	CORE 040	Language, Philosophy, and Culture Core Selection	3
CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 080	CORE 080	Social and Behavioral Science 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)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
Any Level Elective ⁵	Any Level Elective	Any Level Elective	8
MATH 2414	MATH 2414	Calculus II	4
MATH 1342	MATH 3300	Elementary Statistical Methods or Principle of Statistics	3
MATH 2305	MATH 3310	Discrete Mathematics	3
Subtotal			18

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

Notes/Comments

This guide is for planning and visualization purposes only. For assistance with pathway planning, students should schedule an appointment with an academic advisor.

1. Texas A&M University - Central Texas is an upper-level university only offering upper-level courses (3000-4000 labeled courses)
2. Student will need to complete all lower-level courses at another institution (1000-2000 labeled courses). Refer to the [General Education Core Requirements page](#) for more information on the CORE Requirements coursework.
3. 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.
4. 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
5. 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.