

**Bachelor of Science
Computer Information Systems
Software Engineering and Database Design Concentration
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
SPCH 1311, SPCH 1315 or SPCH 1321	CORE 010	Introduction to Speech Communication, Public Speaking or Business & Professional Communication	3
CORE 020 ²	CORE 020	Mathematics Core Selection	3
CORE 030 ²	CORE 030	Life and Physical Sciences Core Selection	3
CORE 030 ²	CORE 030	Life and Physical Sciences Core Selection	3
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
ECON 2302	CORE 080	Principles of Microeconomics	3
CORE 090 ²	CORE 090	Component Area Option Core Selection	3
CORE 090 ²	CORE 090	Component Area Option Core Selection	3
Subtotal			42

Additional Lower-Level Degree Requirements (Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
BCIS 1305 or COSC 1301 ⁴	Degree Requirement	Business Computer Applications or Introduction to Computing	3
COSC 1315 ⁵	Degree Requirement	Fundamentals of Programming	3
COSC 1320 or COSC 1336 ⁶	Degree Requirement	C Programming I or Programming Fundamentals I	3
BUSI 2305 ⁷	Degree Requirement	Business Statistics	3
Any Level CIS Elective ²	Degree Requirement	Any Level CIS Elective	3
Any Level Elective ^{2,3}	Degree Requirement	Any Level Elective	15
Subtotal			30

Upper-Level Degree Requirements Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3315	Web Site Development and Design	3	CIS 4301	Database Theory and Practices	3
CIS 3340, CIS 3341, CIS 3342 or CIS 3343	Advanced C++ Programming, Advanced Visual Basic Programming, Advanced Java Programming or C# Programming for Windows and the Web	3	CIS 3351	Data Structures	3
CIS 4341	Information Technology Security and Risk Management	3	CIS 4360	Strategic Information Systems	3
CIS 3347	Data Communications and Infrastructure	3	CIS 4340	Algorithm Design and Analysis	3
CIS 3360	Ethics in Computing	3	CIS 4352	Structured Query Language	3
CIS 4350	Management Information Systems	3	CIS 4379	Software Engineering for E-Business	3
CIS 4351	IS Project Management	3	Upper-Level CIS or COSC Electives	Upper-Level CIS or COSC Electives	6
CIS 3365	System Analysis and Design	3	CIS 4090	Computer Information Systems Capstone Assessment	0
Subtotal					48
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.

- Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
- 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.
- 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.
- Students can also fulfill this degree requirement by enrolling in CIS 3300.
- Students can also fulfill this degree requirement by enrolling in CIS 3303.
- Students can also fulfill this degree requirement by enrolling in CIS 3330, CIS 3331 or CIS 3332.
- Students can also fulfill this degree requirement by enrolling in BUSI 3311.

