

# Bachelor of Science

## Computer Information Systems – Software Engineering and Database Design Concentration

### 2024-2025 Transfer Guide

Core Requirements			
(Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010 <sup>1</sup>	CORE 010	Communications Core	3
SPCH 1311 SPCH 1315 or SPCH 1321	CORE 010	Introduction to Speech Communication Public Speaking or Business & Professional Communication	3
CORE 020 <sup>1</sup>	CORE 020	Mathematics Core	3
CORE 030 <sup>1</sup>	CORE 030	Life and Physical Sciences Core	3
CORE 030 <sup>1</sup>	CORE 030	Life and Physical Sciences Core	3
CORE 040 <sup>1</sup>	CORE 040	Language, Philosophy, and Culture Core	3
CORE 050 <sup>1</sup>	CORE 050	Creative Arts Core	3
CORE 060 <sup>1</sup>	CORE 060	American History Core	3
CORE 060 <sup>1</sup>	CORE 060	American History Core	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core	3
CORE 070 <sup>1</sup>	CORE 070	Government/Political Science Core	3
ECON 2302	CORE 080	Principles of Microeconomics	3
CORE 090 <sup>1</sup>	CORE 090	Component Area Option Core	3
CORE 090 <sup>1</sup>	CORE 090	Component Area Option Core	3
Subtotal			42

Additional Lower-Level Degree Requirements			
(Transfer Credits)			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
BUSI 2305 <sup>4</sup>	BUSI 2305	Business Statistics	3
BCIS 1305 or COSC 1301 <sup>5</sup>	BCIS 1305 or COSC 1301	Business Computer Applications or Introduction to Computing	3
COSC 1315 <sup>6</sup>	COSC 1315	Fundamentals of Programming	3
COSC 1320 or COSC 1336 <sup>7</sup>	COSC 1320 or COSC 1336	C Programming I or Programming or Fundamentals I	3
Any Level CIS Elective <sup>2</sup>	Any Level CIS Elective	Any Level CIS Elective	3
Any Level Elective <sup>2,3</sup>	Any Level Elective	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	Advanced C++ Programming	3	CIS 3351	Data Structures	3
CIS 3341	Advanced Visual Basic Programming				
CIS 3342 or CIS 3343	Advanced Java Programming or C# Programming for Windows and the Web				
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.
- 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.
- 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.
- Students can also fulfill this degree requirement by enrolling in BUSI 3311 at Texas A&M University - Central Texas.
- Students can also fulfill this degree requirement by enrolling in CIS 3300 at Texas A&M University - Central Texas.
- Students can also fulfill this degree requirement by enrolling in CIS 3303 at Texas A&M University - Central Texas.
- Students can also fulfill this degree requirement by enrolling in CIS 3330, CIS 3331 or CIS 3332 at Texas A&M University - Central Texas.



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