



**AAS – Computer Information Technology
Computer Programming to
BAAS – Information Technology
Software and Database Design Concentration
2023-2024 Transfer Pathway**



AAS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1100	EDUC 1100	Learning Framework: Effective Strategies for College Success	1	ITNW 1325 ²	VO--	Fundamentals of Networking Technologies	3
ENGL 2311	CORE 010	Technical and Business Writing	3	ITSE 2309 ²	VO--	Database Programming: Oracle	3
MATH 1342	CORE 020	Elementary Statistics	3	Elective ²	VO--	Computer Elective	3
COSC 1301	CORE 090	Introduction to Computing	3	ITSC 1325 ²	VO--	Personal Computer Hardware	3
COSC 1336	CORE 090	Programming Fundamentals I	3	ITSC 1307 ²	VO--	UNIX Operating System I	3
MATH 1324 MATH 1314 or MATH 1414	MATH 1324 MATH 1314 or MATH 1414	Mathematics for Business and Economics College Algebra or College Algebra for Pre-Calculus	3	Elective I or II ²	VO--	Programming Elective I or II	3
COSC 1337	COSC 1337	Programming Fundamentals II	3	Elective I or II ²	VO--	Programming Elective I or II	3
CORE 080	CORE 080	Social and Behavioral Sciences Core	3	ITSC 2264 or Elective II ²	VO--	Practicum - CIS, General or Programming Elective II	2
CORE 040	CORE 040	Language, Philosophy, and Culture Core	3	Elective II ²	VO--	Programming Elective II	3
SPCH 1311 SPCH 1315 SPCH 1318 or SPCH 1321	CORE 010	Introduction to Speech Communication Public Speaking Interpersonal Communication or Business & Professional Communication	3	Elective II ²	VO--	Programming Elective II	3
BCIS 2390	BCIS 2390	System Analysis and Design: Project Management	3				
Subtotal							60

Additional Lower-Level Degree Requirements			
Austin Community College			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 030 ¹	CORE 030	Life and Physical Science Core	3
CORE 030 ¹	CORE 030	Life and Physical Science Core	3
CORE 050 ¹	CORE 050	Creative Arts Core	3
CORE 060 ¹	CORE 060	American History Core	3
CORE 060 ¹	CORE 060	American History Core	3
CORE 070 ¹	CORE 070	Government/Political Science Core	3
CORE 070 ¹	CORE 070	Government/Political Science Core	3
BUSI 2305 ^{1,3}	BUSI 2305	Business Statistics	3
Subtotal			24

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3347	Data Communications and Infrastructure	3	CIS 3351	Data Structures	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 4360	Strategic Information Systems	3
CIS 3360	Ethics in Computing	3	CIS 4340	Algorithm Design and Analysis	3
CIS 3365	System Analysis and Design	3	CIS 4352	Structured Query Language	3
CIS 4301	Database Theory and Practices	3	CIS 4379	Software Engineering for E-Business	3
CIS 4341	Information Technology Security and Risk Management	3	Elective	Upper-Level CIS Elective	3
CIS 4350	Management Information Systems	3	CIS 4090	Computer Information Systems Capstone Assessment	0
Subtotal					39
Total					123

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 Austin Community College. For help with pathway planning, students should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

- The AAS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete these remaining lower-level courses at Austin Community College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- For the Occupational/Technical Specialization credits, students must have a minimum of 12 semester credit hours consisting of technical, occupational, and military training and many include academic electives to complete the maximum allowable 36 semester credit hours.
- Students may fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.