



AS-Computer Science to BS-Computer Science 2021-2022 Transfer Pathway



First and Second Years

Please speak with your ACC advisor for recommended course sequence

ACC	TAMUCT	Course Name	Hrs	ACC	TAMUCT	Course Name	Hrs
ENGL 1301	CORE 010	Composition I	3	ENGL 1302	CORE 010	Composition II	3
MATH 2413 ³	CORE 020	Calculus I	4	PHYS 2425	CORE 030	University Physics I	3
PHYS 2426	CORE 030	University Physics II	3	PHIL 1301	CORE 040	Introduction to Philosophy	3
CORE 050	CORE 050	CORE Creative Arts	3	HIST 1301	CORE 060	US History I	3
HIST 1302	CORE 060	US History II	3	GOVT 2305	CORE 070	Federal Government	3
GOVT 2306	CORE 070	Texas Government	3	CORE 080	CORE 080	CORE Social and Behavioral Science	3
MATH 2414	MATH 2414	Calculus II	4	COSC 1336	CORE 090	Programming Fundamentals I	3
COSC 1337	COSC 1337	Programming Fundamentals II	3	COSC 2325	Any Level Elective	Computer Organization and Machine Language	3
COSC 2436	Any Level Elective	Programming Fundamentals III: Data Structures	4	HUMA 1301 or EDUC 1300 ²	Any Level Elective	Humanities or Learning Framework	3
Literature Selection		Literature Selection	3				
			Total				60

Third Year- Junior Fall Semester – Spring Semester

TAMUCT	Course Name	Hrs	TAMUCT	Course Name	Hrs
MATH 3310	Discrete Mathematics	3	MATH 3300	Principles of Statistics	3
CIS 3360	Ethics in Computing	3	CIS 3347	Data Communications and Infrastructure	3
CIS 3330, 3332, 3340, 3342 or 3343	C++ Programming, Java Programming, Advanced C++ Programming, Advanced Java Programming, or C# Programming for Windows and the Web	3	COSC 3380	Operating Systems	3
Advanced Elective ¹	Advanced Faculty Approved Elective	3	Advanced Elective ¹	Advanced Faculty Approved Elective	3
Advanced Elective ¹	Advanced Faculty Approved Elective	3	Advanced Elective ¹	Advanced Faculty Approved Elective	3
Total		15	Total		15

Summer Semester

TAMUCT	Course Name	Hrs	TAMUCT	Course Name	Hrs
COSC 4301	Database Theory and Practices	3	Advanced Elective ¹	Advanced Faculty Approved Elective	3
			Total		6

Fourth Year - Senior Fall Semester – Spring Semester

TAMUCT	Course Name	Hrs	TAMUCT	Course Name	Hrs
MATH 3360 or 3332	Numerical Analysis I or Linear Design	3	COSC 4379	Software Engineering for E-Business	3
COSC 4341	Information Technology Security and Risk Management	3	COSC 4340	Analysis of Algorithms	3
COSC 3343	Computer Architecture	3	COSC 4378	Computer Networks	3
COSC 3351	Data Structures	3	Advanced Elective ¹	Advanced Faculty Approved Elective	3
Advanced Elective ¹	Advanced Faculty Approved Elective	3			
Total		15	Total		12

Notes/Comments:

- (1) Please see a COBA advisor or Computer Science faculty advisor for a list of approved advanced electives.
- (2) FTIC students must take HUMA 1301 or EDUC 1300. If not a FTIC student, may take an approved SPCH course.
- (3) Requires a prerequisite of MATH 2412

Transfer Information

Transfer of Credit & Student Benefits

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Start planning today. Schedule an appointment with a COBA academic advisor. Click [HERE](#) to find a time that meets your schedule.

Program Admission Requirements

Undergraduate Admission Requirements:

- Minimum 2.0 cumulative transfer GPA on a 4.0 scale
- Minimum 30 academic, college-level transferable hours
- Must be eligible to return to all previously attended institutions

Additional program admission standards may apply. Visit degree program pages or speak with an A&M-Central Texas admission counselor for additional information.

Get Connected. Meet in-person, virtually, or via the phone with an admissions counselor today. Click [HERE](#) to schedule an appointment convenient for you.

Graduate Studies

Continue to advance your skills and new career opportunities with a graduate degree from Texas A&M University - Central Texas. Click to learn more about the following graduate degrees:

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- Healthcare Administration
- Human Resource Management
- Management
- Data Analytics micro-credential (pending internal approval)
- Leadership for Sustainability

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[Master of Science – Leadership for Sustainability](#)

Graduate Certificates

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