



**AA in Business to  
BS in Computer Science  
Recommended 4-Year Degree Plan  
2024-2025 Catalog**



**FRESHMAN YEAR**

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
ENGL 1301		Composition I	3	ENGL 1302		Composition II	3
COSC 1436		Programming Fundamentals I	4	HIST 1302		United States History II	3
MATH 2413		Calculus I	4	COSC 2325		Computer Organizing	3
HIST 1301		United States History I	3	MATH 2414		Calculus II	4
		Creative Arts	3	PHYS 2425		University Physics I	4
			17				17

**SOPHOMORE YEAR**

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
COSC 1437		Programming Fundamentals II	4	COSC 2436		Programming Fundamentals III	3
GOVT 2305		Federal Government	3	GOVT 2306		Texas Government	3
PHYS 2426		University Physics II	4			Language, Philosophy, and Culture Course	3
MATH 2305		Discrete Mathematics	3	SPCH 1315		Public Speaking	3
		Social and Behavioral Science Course	3			STEM Course	3
			17				15

**JUNIOR YEAR**

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
	BLAW 3301	Business Law and Social Responsibility	3		MANA 3370	Business Writing and Oral Presentations	3
	COSC 4325	Data Communications and Computer Networks	3		MARK 3311	Principles of Marketing	3
	FINA 3311	Principles of Finance	3		MANA 3305	Operations Management	3
	COSC 3375	Analysis and Logical Design	3		MANA 3311	Fundamentals of Management	3
		Upper-Division Elective	3			Upper-Division Elective	3
			15				15

**SENIOR YEAR**

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
	MANA 3312	International Business	3		COSC 4375	Information Systems Design Project	3
	COSC 4362	Retail Cyber Security	3		MANA 4395	Strategic Management	3
	COSC 4347	Business Intelligence and Analysis	3			Upper-Division Elective	3
		Upper-Division Elective	3			Upper-Division Elective	3
			12				12

<b>Total Credit Hours at Tyler Junior College</b>	<b>66</b>
<b>Total Credit Hours at UT Tyler</b>	<b>54</b>
<b>Total Credit Hours</b>	<b>120</b>

\*\* EDUC 1300/COSC 1301 is required for core completion but no equivalency at UT Tyler