

**B.S. in Computer Information Systems -
Cyber Security Concentration and Certificate**

Degree Offered at the Tarleton-Waco Location

2025-2026 MCC-Tarleton State Advising Guide (w/ TCCNS Equivalents)

First two years is the MCC to Tarleton Course Mapping.

First two years course sequence is at the discretion of MCC in coordination with MCC advisors and faculty.



YEAR	TYPICAL FIRST SEMESTER					
F I R S T	MCC Course	Core Category	TCCNS Equivalent	MCC SCH	MCC Prereq or Coreq	Tarleton Course
	ENGL 1301 - Composition I	090	ENGL 1301	3	n/a	ENGL 1301 - Composition I
	Social & Behavioral Science elective	080	-	3	n/a	TSU Core - Social & Behavioral Sciences ¹
	Math elective	020	-	3	n/a	TSU Core - Mathematics ¹
	GOVT 2305 - Federal Government	070	GOVT 2305	3	n/a	GOVT 2305 - Federal Government
	BCIS 1305 - Business Computer Applications	-	BCIS 1305	3	n/a	BCIS 1305 - Business Computer Applications
	Total Hours			15		
	TYPICAL SECOND SEMESTER					
	MCC Course	Core Category	TCCNS Equivalent	MCC SCH	MCC Prereq or Coreq	Tarleton Course
	Component Area Option: ENGL 1302 - Composition II	010	ENGL 1302	3	ENGL 1301	ENGL 1302 - Composition II
	Life & Physical Science elective	030	-	3	n/a	TSU Core - Life and Physical Science ¹
	HIST 1301 - United States History I	060	HIST 1301	3	n/a	HIST 1301 - United States History I
	Component Area Option elective	090	-	3	n/a	TSU Core - Core Component Option ¹ General Education Elective
	Course not offered at MCC - Student will need to take course with Tarleton*	-	-	3	n/a	BCIS 1317 - Personal Computer Maintenance and Hardware
	Total Hours			15		

YEAR	TYPICAL FIRST SEMESTER					
S E C O N D	MCC Course	Core Category	TCCNS Equivalent	MCC SCH	MCC Prereq or Coreq	Tarleton Course
	Life & Physical Science elective	030	-	3	n/a	TSU Core - Life and Physical Science ¹
	Creative Arts elective	050	-	3	n/a	TSU Core: Creative Arts ¹
	GOVT 2306 - Texas Government	070	GOVT 2306	3	n/a	GOVT 2306 - Texas Government
	HIST 1302 - United States History II	060	HIST 1302	3	n/a	HIST 1302 - United States History II
	Speech elective	010	-	3	n/a	TSU Core: Communications ¹
	Total Hours			15		
	TYPICAL SECOND SEMESTER					
	MCC Course	Core Category	TCCNS Equivalent	MCC SCH	MCC Prereq or Coreq	Tarleton Course
	Language, Philosophy & Culture elective	040	-	3	n/a	TSU Core: Language, Philosophy, & Culture ¹
Course not offered at MCC - Student will need to take course with Tarleton*	-	-	3	n/a	ACCT 3300 - Accounting Concepts ³	
Course not offered at MCC - Student will need to take course with Tarleton*	-	-	3	n/a	MGMT 3300 - Principles of Management ³	
Elective ²	-	-	3	See options	Varies	
BCIS Elective	-	-	3	may vary	BCIS or COSC Elective	
Total Hours			15			
	Total MCC Hours:			60		

****Student should speak with their MCC Advisor about what additional courses they need to complete in order to earn their associates degree.****

Dr. Sam Pack College of Business
B.S. in Computer Information Systems -
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Second two years at Tarleton-Waco in coordination with Tarleton advisors and faculty.



YEAR	FIRST SEMESTER					
T H I R D	TSU Requirement	Core Category	TCCNS Equivalent	Credit Hours	Pre-Req or Co-Req	Semester offered
	BCIS 3333 - C# Programming or BCIS 3332 - Java Programming ³	-	-	3	None	F, SP
	BCIS or COSC Elective ^{2,3}	-	-	3	See options	Varies
	BCIS 4342 - Ethical Hacking and Network Defense ³	-	-	3	Prereq: Junior Standing or Instructor or Department Head Approval	Varies
	MKTG 3312 - Marketing ³	-	-	3	See options	Varies
	Advanced Elective BCIS or COSC ^{2,3}	-	-	3	See options	Varies
	Total Hours			15		
S E C O N D	SECOND SEMESTER					
	TSU Requirement	Core Category	TCCNS Equivalent	Credit Hours	Pre-Req or Co-Req	Semester offered
	BCIS 3342 - Advanced Java Programming or BCIS 3343 - Advanced C# Programming ³	-	-	3	Prereq: BCIS 3333 or 3332	F, SP
	BCIS 3347 - Data Communications ³	-	-	3	None	F, SP
	BUSI 3312 - Business Communication (WI) or ENGL 3309 - Technical Writing (WI) ³	-	-	3	None	Varies
	BCIS 4320 - Computer Forensics ³	-	-	3	Prereq: Junior Standing or Instructor or Department Head Approval	SP
	CRIJ 3315 - Rules of Criminal Evidence ³	-	-	3	None	F, SP, SU
	Total Hours			15		

YEAR	FIRST SEMESTER					
F O U R T H	TSU Requirement	Core Category	TCCNS Equivalent	Credit Hours	Pre-Req or Co-Req	Semester offered
	BCIS 3389 - System Analysis and Design (WI) ³	-	-	3	Prereq: BCIS 3333 or BCIS 3332	F, SP
	BCIS 4350 - Management Information Systems ³	-	-	3	Prereq: BCIS 1305	F, SP, SU
	BCIS 3315 - Web Site Development and Design ³	-	-	3	None	F, SP, SU
	BCIS 4345 - Network and Systems Security ³	-	-	3	Prereq: BCIS 3347	SP
	Elective ²	-	-	3	See options	Varies
F I F T H	Total Hours			15		
	SECOND SEMESTER					
	TSU Requirement	Core Category	TCCNS Equivalent	Credit Hours	Pre-Req or Co-Req	Semester offered
	BCIS 4316 - Managing IT Projects ³	-	-	3	Prereq: BCIS 3389 & BCIS 1305	Varies
	BCIS 4385 - Professional Development Seminar ³	-	-	3	Prereq: 24 credit hours of BCIS/CIS	Varies
	BCIS 4301 - Data Base Theory and Practice ³	-	-	3	Prereq: BCIS 3333 or BCIS 3332	F, SP
	Advanced Elective BCIS or COSC ^{2,3}	-	-	3	See Options	Varies
	CRIJ 4353- Global Cyber-Security ³	-	-	3	None	F, SP
	Total Hours			15		
	Total MCC-Tarleton Program Hours:			120		

Footnotes:

1 - See Tarleton website for options for this core category: <https://www.tarleton.edu/generaleducation/core-categories/>

2 - Consult the Tarleton Catalog and current course schedule for Elective and Advanced Elective options. You may also contact your academic advisor for additional questions.

3 - Students must maintain a minimum 2.0 overall GPA in all upper-division work undertaken and a minimum grade of "C" or better in each course in the BBA core and major to remain in good standing.