

TEXAS A&M UNIVERSITY – VICTORIA

RECOMMENDED COURSE SEQUENCE

BS in Computer Information Systems (11.0401)

This table shows a sample recommended course sequence for this degree based on the TAMUV 2025 - 26 Catalog. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements.

First Year (Freshman)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
CORE 020: MATH 1324	3	Finite Math	MATH 2312	3	Precalculus
CORE 010: ENGL 1301	3	Composition I	CORE 010: ENGL 1302	3	Composition II
COSC 1336/1136	4	Programming Fundamentals I w/Lab	COSC 1337/1137	4	Programming Fundamentals II w/Lab
UNIV 1300	3	First-Year Seminar	CORE 060: HIST 1301	3	U.S. History I
			CORE 090: SPCH 1315	3	Fund of Public Speaking
Total Hours	13		Total Hours	16	
Second Year (Sophomore)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
CORE 030 w/Lab	4		CORE 030 w/Lab	4	
COSC 3317	3	Object Oriented Programming	COSC 3325	3	Information Systems in Organization
COSC 3331	3	Data Structures and Algorithms I	COSC 3333	3	Data Structures and Algorithms II
CORE 070	3		MATH 3362	3	Discrete Structures
LG1: All TAMUV Classes	3		CORE 060	3	
Total Hours	16		Total Hours	16	
Third Year (Junior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
ENGL 3430	4	Professional Writing	COSC 4321	3	IT Project Management
COSC 4339	3	Telecomm and Networks	CORE 040:	3	
MATH 3391	3	Probability and Statistics	EG1: CIS Elective Group	3	
CORE 030:	3		COSC 4350	3	Info Sec, Privacy and Ethics
MGMT 3303	3	Principles of Management	CORE 070:	3	
Total Hours	16		Total Hours	15	
Fourth Year (Senior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
COSC 4337	3	Operating Systems	COSC 3315	3	App Design using GUIs
COSC 4320	3	Software Engineering	MKTG 3303	3	Principles of Marketing
COSC 4336	3	Database Systems	LG2: All UD TAMUV Classes	3	
EG1: CIS Elective Group	3		CORE 050:	3	
CORE 080:	3		EG1: CIS Elective Group	3	
Total Hours	15		Total Hours	15	

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Group Name	Course Prefix	Course Number	Course Name	SCH
CIS Elective Group	COSC	3318	PYTHON PROGRAMMING	3
CIS Elective Group	COSC	3332	CMPTR ORGNZTN & ARCHITECTURE	3
CIS Elective Group	COSC	3334	INTRO TO CYBER SECURITY	3
CIS Elective Group	COSC	3335	INTRO TO THEORY OF COMPUTATION	3
CIS Elective Group	COSC	4300	SELECTED TOPICS IN COMP SCI	3
CIS Elective Group	COSC	4302	Independent Study	3
CIS Elective Group	COSC	4322	ARTIFICIAL INTELLIGENCE	3
CIS Elective Group	COSC	4323	DIGITAL IMAGE PROCESSING	3
CIS Elective Group	COSC	4331	STRUCTURE-PROGRMMNG LNCS	3
CIS Elective Group	COSC	4340	CLIENT-SERVER COMPUTING	3
CIS Elective Group	COSC	4342	DIGITAL FORENSICS	3
CIS Elective Group	COSC	4343	FUND OF CRYPTOGRAPHY	3
CIS Elective Group	COSC	4345	BASIC DATA VISUALIZATION	3
CIS Elective Group	COSC	4346	DATA ANALYTICS	3
CIS Elective Group	COSC	4355	IT SVC & PROCESS MGMT	3
CIS Elective Group	COSC	4360	SENIOR PROJECT	3
CIS Elective Group	MATH	3321	GAMING MATHEMATICS FOR NON-PRO	3
CIS Elective Group	MATH	3347	OPERATIONS RESEARCH	3
CIS Elective Group	MATH	3357	INTRO-HIGHER GEOMETRY	3
CIS Elective Group	MATH	3361	LINEAR ALGEBRA	3
CIS Elective Group	MATH	3365	INTRO TO MATHEMATICAL PROOFS	3
CIS Elective Group	MATH	4300	SEL TOPICS IN MATH SCI	3
CIS Elective Group	MATH	4302	INDEPENDENT STUDY	3
CIS Elective Group	MATH	4310	FUND CNCPTS OF ANALYSIS	3
CIS Elective Group	MATH	4311	MODERN ALGEBRA	3
CIS Elective Group	MATH	4351	MATHEMATICAL MODELING	3
CIS Elective Group	MATH	4378	NUMERICAL ANALYSIS	3
CIS Elective Group	MATH	4391	PROBABILITY & STATISTICS II	3

[LG1: All TAMUV Classes](#)

[LG2: All UD TAMUV Classes](#)