

TEXAS A&M UNIVERSITY – VICTORIA

RECOMMENDED COURSE SEQUENCE

BS in Mathematics (27.0101)

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 1314	3	College Algebra	MATH 2312	3	Pre-Calculus
CORE 010: ENGL 1301	3	Composition I	CORE 010: ENGL 1302	3	Composition II
CORE 030: With Lab	4		CORE 030: With Lab	4	
CORE 090:	3		CORE 090:	3	
UNIV 1300	3	First-Year Seminar	CORE 060: HIST 1301	3	U.S. History I
Total Hours	16		Total Hours	16	
Second Year (Sophomore)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
MATH 2413	4	Calculus I	MATH 2414	4	Calculus II
CORE 080:	3		MATH 3365	3	Intro to Math Proof
CORE 060: HIST 1302	3	U.S. History II	MATH 3391	3	Probability and Statistics
CORE 050	3		CORE 070:	3	
CORE 070	3		CORE 030:	3	
Total Hours	16		Total Hours	16	
Third Year (Junior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
MG1: Math Group A	3		MATH 3361	3	Linear Algebra
MG2: Math Group B	3		MG4: Math Group D	3	
MG3: Math Group C	3		MG5: Math Group E	3	
MATH 3362	3		LG1: All TAMUV Classes	3	
CORE 040:	3		ENGL 3430	4	Professional Writing
Total Hours	15		Total Hours	16	
Fourth Year (Senior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
MG2: Math Group B	3		MG4: Math Group D	3	
MG3: Math Group C	3		MG5: Math Group E	3	
EG1: Math Elective Group	3		LG1: All TAMUV Classes	3	
LG1: All TAMUV Classes	3		LG1: All TAMUV Classes	3	
LG1: All TAMUV Classes	3				
Total Hours	15		Total Hours	12	

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Group Name	Course Prefix	Course Number	Course Name	SCH
Math Group A	MATH	2320	DIFFERENTIAL EQUATIONS	3
Math Group A	MATH	2415	CALCULUS III	4
Math Group B	MATH	3347	OPERATIONS RESEARCH	3
Math Group B	MATH	4310	FUND CNCPTS OF ANALYSIS	3
Math Group C	MATH	4300	SEL TOPICS IN MATH SCI	3
Math Group C	MATH	4378	NUMERICAL ANALYSIS	3
Math Group D	MATH	3357	INTRO-HIGHER GEOMETRY	3
Math Group D	MATH	4311	MODERN ALGEBRA	3
Math Group E	MATH	4351	MATHEMATICAL MODELING	3
Math Group E	MATH	4391	PROBABILITY & STATISTICS II	3
Math Elective Group	COSC	3315	APP DESIGN USING GUIs	3
Math Elective Group	COSC	3317	OBJ ORIENTED PROGRAMMING	3
Math Elective Group	COSC	3318	PYTHON PROGRAMMING	3
Math Elective Group	COSC	3325	INFO SYSTMS IN ORGNZTNS	3
Math Elective Group	COSC	3331	DATA STRUC'S & ALGORITHMS I	3
Math Elective Group	COSC	3332	CMPTR ORGNZTN & ARCHITECTURE	3
Math Elective Group	COSC	3333	DATA STRUC'S & ALGORITHMS II	3
Math Elective Group	COSC	3334	INTRO TO CYBER SECURITY	3
Math Elective Group	COSC	3335	INTRO TO THEORY OF COMPUTATION	3
Math Elective Group	COSC	4300	SELECTED TOPICS IN COMP SCI	3
Math Elective Group	COSC	4302	INDEPENDENT STUDY	3
Math Elective Group	COSC	4305	COMPUTER SCIENCE INTERNSHIP	3
Math Elective Group	COSC	4320	SOFTWARE ENGINEERING	3
Math Elective Group	COSC	4321	IT PROJECT MANAGEMENT	3
Math Elective Group	COSC	4322	ARTIFICIAL INTELLIGENCE	3
Math Elective Group	COSC	4323	DIGITAL IMAGE PROCESSING	3
Math Elective Group	COSC	4331	STRUCTURE-PROGRMMNG LNCS	3
Math Elective Group	COSC	4336	DATABASE SYSTEMS	3
Math Elective Group	COSC	4337	OPERATING SYSTEMS	3
Math Elective Group	COSC	4339	TELECOMNCTN & NETWORKS	3
Math Elective Group	COSC	4340	CLIENT-SERVER COMPUTING	3
Math Elective Group	COSC	4342	DIGITAL FORENSICS	3
Math Elective Group	COSC	4343	FUND OF CRYPTOGRAPHY	3
Math Elective Group	COSC	4345	BASIC DATA VISUALIZATION	3
Math Elective Group	COSC	4346	DATA ANALYTICS	3
Math Elective Group	COSC	4350	INFO SECURITY/PRIVACY/ETHICS	3
Math Elective Group	COSC	4355	IT SVC & PROCESS MGMT	3
Math Elective Group	COSC	4360	SENIOR PROJECT	3
Math Elective Group	MATH	3321	GAMING MATHEMATICS FOR NON-PRO	3
Math Elective Group	MATH	4302	INDEPENDENT STUDY	3

LG1: [All TAMUV Classes](#)

Revised June 2025