

## BS in Computer Science (11.0101)

This table shows a sample recommended course sequence for this degree based on the UHV 2022-23 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. Courses with asterisks (\*) indicate Common Core courses.

		<b>First Year (Freshman)</b>				
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM	
CORE 020:	3		MATH 2312	3	Pre-Calculus	
CORE 010: ENGL 1301	3	Composition I	CORE 030:	3		
CORE 090: COSC 1301	3	Technology and Problem Solving	COSC 1337	3	Programming Fundamentals II	
COSC 1336	3	Programming Fundamentals I	COSC 1137	1	Programming Fundamentals II Lab	
COSC 1136	1	Programming Fundamentals I Lab	CORE 010: ENGL 1302	3	Composition II	
UNIV 1300	3	First-Year Seminar	CORE 090: SPCH 1315	3	Fundamentals of Public Speaking	
<b>Total Hours</b>	<b>16</b>		<b>Total Hours</b>	<b>16</b>		
		<b>Second Year (Sophomore)</b>				
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM	
MATH 2413	4	Calculus I	MATH 2414	4	Calculus II	
COSC 3317	3	Object Oriented Programming	COSC 3333	3	Data Structures and Algorithms II	
COSC 3331	3	Data Structures and Algorithms I	CORE 030:	3		
CORE 030:	3		CORE 030:	1		
CORE 030:	1		CORE 070:	3		
<b>Total Hours</b>	<b>14</b>		<b>Total Hours</b>	<b>14</b>		

Third Year (Junior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
ENGL 3430	4	Professional Writing	MATH 3361	3	Linear Algebra
MATH 3362	3	Discrete Structures	COSC 3332	3	Computer Organization and Architecture
COSC 4339	3	Telecommunication and Networks	COSC 3335	3	Intro to the Theory of Computation
MG1: CS Math Group	3		COSC 4350	3	Information Security, Privacy and Ethics
CORE 070:	3		CORE 060: HIST 1301	3	U.S. History I
<b>Total Hours</b>	<b>16</b>		<b>Total Hours</b>	<b>15</b>	
Fourth Year (Senior)					
SEMESTER 1	SCH	ACGM	SEMESTER 2	SCH	ACGM
MG1: CS Math Group	3		COSC 4360	3	Senior Project
COSC 4320	3	Software Engineering	COSC 4331	3	Structure of Programming Languages
COSC 4336	3	Database Systems	CORE 040:	3	
COSC 4337	3	Operating Systems	CORE 050:	3	
CORE 080:	3		CORE 060: HIST 1302	3	U.S. History II
<b>Total Hours</b>	<b>15</b>		<b>Total Hours</b>	<b>15</b>	