

# Computer Information Sciences - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Computer Information Sciences** teaches you about information networking. The information networking concept involves an interplay of knowledge from areas such as distributed computing, software engineering, expert systems, information retrieval and multimedia display technology. The program is offered on-campus and online and its coursework includes computer organization, operating systems, software engineering, etc. After graduation, you will be set up for a career in industries like transportation, space technology, education, etc.

NOTE: Degree plans may change over a four-year period. This may not be the most current list of course requirements for your program. It is always advised that you check Degree Audit in Banner Self-Serv or your advisor for the most up-to-date degree requirements and to track your progress toward a degree.

FIRST YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COSC 1172	Thinking, Speaking and Writing	1		ENGL 1301	Composition I	3	
	COSC 1173	Programming Lab	1		COSC 1337	Programming Fundamentals II	3	
	COSC 1336	Programming Fundamentals I	3		ECON 1301	Principles and Policies	3	
	HIST 1301	U.S. History I 1763-1877	3		COSC 2375	Discrete Structure	3	
	MATH 2413	Calculus and Analytical Geometry I	4		COSC 1174	Fundamentals of Computing II Lab	1	
	Communications Core		3		HIST 1302	U.S. History II Since 1877	3	
		Hours	15		Hours		16	
SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	ENGL 1302	Composition II	3		Language, Philosophy and Culture		3	
	COSC 2336	Programming Fundamentals III	3		COSC 2325	Computer Organization	3	
	Academic Elective		3		COSC 3304	Algorithms Design and Analysis	3	
	Lab Science		3		MATH 2318	Linear Algebra	3	
	BUAL 2305 or MATH 1342 or MATH 3370	Business Stats or Elem Stat Methods or Intro to the Theory of Stat Inference	3		Lab Science		3	
		Hours	15		Hours		15	
THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	CPSC 4317	Computer Networks	3		CPSC 4363 or COSC 4345 or CPSC 4361	Cybersecurity: Systems or Cybersecurity Networks or Secure Software Eng	3	
	CPSC 4340	Database Design	3		CPSC 4315	Network System Administration	3	
	POLS 2301	Intro to American Government I	3		POLS 2302	Intro/American Government II	3	
	ACCT 2301	Introduction to Financial Accounting	3		MGMT 3310	Principles of Organizational Behavior and Mgmt	3	
	COSC 3325	Computer Law and Ethics	3		Academic Elective		3	
		Hours	15		Hours		15	
FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	CPSC 4330 or COSC 4319	Multimedia Processing or Computer Graphics	3		CPSC 4360	Software Engineering	3	
	COSC or CPSC Elective		3		COSC 4302	Operating Systems	3	
	ACCT 2302	Introduction to Managerial Accounting	3		COSC/CPSC Elective		3	
	FINC 3310	Principles of Finance	3		COSC 4272	Senior Assessment	2	
	Creative Arts		3		MGMT 3320	Production Management	3	
		Hours	15		Hours		14	