

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	_____
	Fall		Hours	Grade	Spring		Hours	Grade
THIRD YEAR	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	_____
	Fall		Hours	Grade	Spring		Hours	Grade
FOURTH YEAR	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	_____