

## Computer Science - 4 Year Degree Plan

2026-2027

Lamar University's **Bachelor of Science in Computer Science** is a broad-based program that emphasizes the areas of computer programming languages, data structures, information systems, theory of programming languages, software engineering, networking, database, multimedia, applications of computer science and computer architecture. The program is offered on-campus and online, offers state-of-the-art equipment, ABET accreditation, small classes with a good ratio between student and instructors and professors with strong research credentials. – Contact UAC at [advising@lamar.edu](mailto:advising@lamar.edu), 409-880-8822, [lamar.edu/findadvisor](http://lamar.edu/findadvisor)

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
	<b>COSC 1336</b>	Programming Fundamentals I	3	___	<b>ENGL 1301</b>	Composition I	3	___
	<b>COSC 1173</b>	Programming Lab	1	___	<b>COSC 1337</b>	Programming Fundamentals II	3	___
	<b>COSC 1172</b>	Thinking, Speaking and Writing	1	___	<b>COSC 1174</b>	Fundamentals of Computing II Lab	1	___
	<b>HIST 1301</b>	U.S. History I 1763-1877	3	___	Social/Behavioral Science		3	___
	Creative Arts		3	___	Communication		3	___
	<b>MATH 2413</b>	Calculus and Analytical Geometry I	4	___	<b>HIST 1302</b>	U.S. History II Since 1877	3	___
	Hours		15	___	Hours		16	___

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>COSC 2336</b>	Programming Fundamentals III	3	___	<b>COSC 2325</b>	Computer Organization	3	___
	<b>MATH 2414</b>	Calculus and Analytical Geometry II	4	___	<b>COSC 2375</b>	Discrete Structures	3	___
	Component Area Option		3	___	<b>POLS 2301</b>	Intro to American Government I	3	___
	Lab Science		4	___	Lab Science		4	___
					Language, Philosophy and Culture		3	___
Hours		14	___	Hours		16	___	

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COSC/CPSC/ELEN Elective		3	___	<b>COSC 3325</b>	Computer Law and Ethics	3	___
	<b>MATH 2318</b>	Linear Algebra	3	___	<b>COSC 3302</b>	Intro to Computer Theory	3	___
	<b>COSC 3304</b>	Algorithms Design and Analysis	3	___	<b>COSC 3308</b>	Design Programming Languages	3	___
	<b>MATH 3370</b>	Introduction to the Theory of Statistical Inference	3	___	<b>CPSC 4361</b> or <b>CPSC 4363</b> or <b>COSC 4345</b>	Secure Software Eng or Cybersecurity: Systems or Cybersecurity Networks	3	___
	<b>CPSC 4360</b>	Software Engineering	3	___	COSC/CPSC Elective		3	___
Hours		15	___	Hours		15	___	

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>COSC 4302</b>	Operating Systems	3	___	<b>COSC 4333</b>	Distributed Systems	3	___
	COSC/CPSC Elective		3	___	<b>COSC 4310</b>	Introduction to Computer Architecture	3	___
	<b>CPSC 4340</b>	Database Design	3	___	COSC/CPSC/ELEN Elective		3	___
	<b>POLS 2302</b>	Intro/American Government II	3	___	<b>COSC 4272</b>	Senior Assessment	2	___
	Academic Elective		3	___	<b>CPSC 4317</b>	Computer Networks	3	___
Hours		15	___	Hours		14	___	

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