



Sitare University Curriculum*

	Mathematics	Communication and Ethics	Programming	Core/Data	Systems/Security	AI/ML	Project
Semester-1 21 Credits	Math 113 (4): Linear Algebra	LE 101 (4): Introduction to Communication and Ethics LE 101P (1): Book Club and Social Emotional Intelligence 1	CS 106 (5): Programming Methodology in Python	CS 105 (4): Introduction to Computers			CS 106P (3): CS 106 Python Project Course
Semester-2 20 Credits	Math 119 (4): Calculus CS 103 (4): Mathematical Foundations of Computing	LE 102 (3): Communication and Ethics LE 102P (1): Book Club and Social Emotional Intelligence 2	CS 110 (4): Data Handling in Python	CS 161 (4): Data Structures and Algorithms			
Semester-3 24 Credits	CS 109 (4): Probability for Computer Science	LE 103P (1): Communication and Book Club	CS 108A (5): Object Oriented Programming	CS 162 (4): Advanced Data Structures and Algorithms CS 145 (4): Database Management Systems		CS 221 (4): Artificial Intelligence	Internship-1 (2)
Semester-4 21 Credits			CS 108B (5): Advanced Object Oriented Programming	CS 276 (4): Search Engines and Information Retrieval CS 246 (4): Mining Massive Datasets	CS 107 (4): Computer Organization and Systems	CS 229 (4): Machine Learning	
Semester-5 24 Credits			CS 142 (4): Web Applications Development	Cornell CS 305 (4): Creative Problem Solving	CS 111 (4): Operating Systems Principles	CS 230 (4): Deep Learning	Internship-2 (4) CS 250 (4): Software Engineering Project
Semester-6 20 Credits		LE 300 (4): Economics for Computer Science	CS 147 (4): Human Computer Interaction		CS 144 (4): Computer Networks	CS 231 (4): Applications of Deep Learning	CS 251 (4): Machine Learning Project
Semester-7 20 Credits	Industry Research Project and Internship						
Semester-8 20 Credits	Industry Research Project and Internship						

* subject to modification