

CS Electives

Note: No limit on number of courses, minimum 15 Credit Hours

Course Code	Course Name	CHs
Track	Data and Knowledge Management System	
CS-423	Data Warehousing and Data Mining	4(3-1)
CS-321	Advanced Database Systems	3(3-0)
CS-340	Web Technologies-I	3(2-1)
CS-443	E-Commerce and Solutions	3(3-0)
CS-424	Information Retrieval	3(3-0)
CS-322	RDBMS Using Oracle	3(2-1)
CS-441	Web Technologies-II	4(3-1)
CS-425	Management Information Systems	3(3-0)
CS-404	Big Data Analytics	3(2-1)
Track	Intelligent Systems	
CS-471	Machine Learning	4(3-1)
CS-472	Natural Language Processing	3(3-0)
CS-473	Theory of Intelligent Systems	4(3-1)
CS-476	Speech and Image Processing	4(3-1)
CS-474	Computer Vision	3(2-1)
BIO-317	Computational Biology	3(3-0)
BIO-215	Bioinformatics	3(3-0)
Track	Computer Graphics and Multimedia Systems	
CS-361	Computer Graphics	4(3-1)
EE-433	Digital Image Processing	4(3-1)
CS-362	Multimedia Systems and Design	3(2-1)
CS-363	Visualization	3(2-1)
CS-364	Game Programming	3(2-1)
Track	Parallel and Distributed Systems	
CS-332	Distributed Computing	4(3-1)
CS-342	Mobile Computing	3(3-0)
CS-433	Applied Parallel Computing	3(2-1)
CS-334	Open Source Systems	4(3-1)
CS-331	System Programming	3(2-1)