

Mtech course list

Computer Science & Engineering

Course Code	Course Name	Credit Structure				
		L	T	P	C	
CS 540	Fundamentals of Computing Systems Design	3	0	3	9	Mtech core/ PhD core
EE 611	Applied Linear Algebra in Electrical Engineering (UG Institute elective 7 th sem/ Mtech core /PhD course)	3	0	0	3	Mtech core
CS 510	Foundations of Theoretical Computer Science	3	0	0	6	Mtech core
	Elective I	3	0	0	6	
	Total Credits				31	

Electives	Course Number	L	T	P	Credits	Semester
Model Checking and Software Verification	CS 570	3	0	0	6	UG V, UG VII, PG-I, PhD
Modeling and Simulation of Systems	CS 572	3	0	0	6	UG V, UG VII, PG-I, PhD
Markov chains and their Applications	CS 462 CS 662	3	0	0	6	UG VII, PG, PhD
Foundation Of Probability	MA 605	3	0	0	6	

PG Seminar Course	Course Number	L	T	P	Credits	Comments	Semester
Graduate Seminar	CS 750	0	0	0	4	Dr. George	PG

*New credit system

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Electrical Engineering

Course Code	Course Name	Credit Structure			
		L	T	P	C
EE 611	Applied Linear Algebra in Electrical Engineering (UG Institute elective 7 th sem/ Mtech core /PhD course)	2	1	0	6
EE 601	Introduction to Switched Electrical Circuits (UG 7 th sem Dept elective/ Mtech core/ PhD course)	2	1	0	6
EE 602	Advanced Digital Signal Processing (UG 7 th sem Dept elective/ Mtech core /PhD course)	2	1	0	6
EE 603	Sensors and Analog Interfacing Circuits (UG 7 th sem Dept elective /Mtech core / PhD course)	2	1	0	6
EE 621	Multidisciplinary Lab	0	0	3	3

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Mechanical Engineering

Course Code	Course Name	Credit Structure			
		L	T	P	C
ME610	Mathematical Methods PhD 2019 core/ Mtech core/	2	1	0	6
ME613	Continuum Mechanics Mtech core/ UG ELECTIVE	2	1	0	6
ME614	Thermofluids Engineering Mtech core	2	1	0	6
ME606	Computer integrated Manufacturing Mtech core/ UG ELCTIVE	2	1	0	6
ME 615	Finite Element Method	3	0	0	6