

M.Tech. VLSI Design
Two-Year Programme
Academic Curriculum (2009 – 10 onwards)
First Year

Autumn Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
	MA 511	Advanced Mathematics	3	1	0	4	3	10	40	50
EC 541	Semiconductor Device Models for Circuit Simulation	3	1	0	4	3	10	40	50	
EC 543	VLSI Fabrication Technology	3	1	0	4	3	10	40	50	
EC 545	Elements of Digital VLSI Design	3	1	0	4	3	10	40	50	
	Elective I	4	0	0	4	3	10	40	50	
EC 521	VLSI Laboratory I	0	0	4	2	2	20	40	40	
HS 501	Technical Communication (optional)***	2	0	0	2	2	10	40	50	
Sub Total		18	4	4	22/24	-	-			

Spring Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
	EC 542	Analog VLSI Design	3	1	0	4	3	10	40	50
EC 550	Embedded Systems Design	3	1	0	4	3	10	40	50	
EC 544	VLSI Systems and Subsystems	3	1	0	4	3	10	40	50	
	Elective II	4	0	0	4	3	10	40	50	
	Elective III	4	0	0	4	3	10	40	50	
EC 522	VLSI Laboratory II	0	0	4	2	2	20	40	40	
HS 501	Technical Communication (optional)***	2	0	0	2	2	10	40	50	
Sub Total		19	3	4	22/24	-	-			