

2 Year MTech(Micro) Curriculum		
Semester 1		
Course Code	Title	Credits
EE5107	Semiconductor Physical Electronics	2
EE5117	Microelectronic Device Physics	1
EE5127	Analog IC Design	2
EE5128	Analog IC Design Lab	1
EE5137	Mixed Signal Circuit Design	1
EE5147	Digital IC Design	2
EE5148	Digital IC Design Lab	1
EE5157	CMOS Processing and Wafer Technology	1
EEXXXX	Electives	2
	Total Credits in Semester	13
Semester 2		
EE5168	Embedded Systems: Hardware Languages	1
EE5158	Advanced Digital IC Design	2
EE5149	VLSI Technology	2
EE5129	Advanced Analog IC Design	1
EE5159	Microfabrication and Device Simulation laboratory	2
EE5138	Chips to system Design Laboratory	2
EEXXXX	Elective	2
EEXXXX	Thesis Stage 1	3
	Total Credits in Semester	12
Semester 3		
EE5136	IC characterisation laboratory	2
EEXXXX	Thesis Stage 2	9
	Total Course Credits in Semester	2
Semester 4		
EEXXXX	Thesis Stage 3	12
	Total Course Credits	27
	Total Thesis Credits	24
	Total Mtech Credits	51