

# Electrical & Electronics Engineering

For Batch 2016 onwards

Course Category	Course Code	Course Title	Contact Hours			Credit	Prerequisites
			L	T	P		
<b>Science Core Courses (SC)</b>	MA 101	Mathematics – I	3	1	0	4	None
	CH 101	Engineering Chemistry	3	1	0	4	None
	CH 151	Engineering Chemistry Lab	0	0	2	1	None
	MA 102	Mathematics – II	3	1	0	4	None
	ES 101	Environmental Science	2	0	0	2	None
	PH 101	Engineering Physics	3	1	0	4	None
	PH 151	Engineering Physics Lab	0	0	2	1	None
	MA 201	Mathematics – III	3	0	0	3	None
	MA 203	Scientific Computing	3	0	0	3	CS 101
	MA 210	Mathematics Lab	0	0	4	2	CS 101, MA 101, MA 102
<b>Science Elective Courses (SE)</b>	CH 201	Introduction to Material Science	3	0	0	3	None
	BT 201	Elements of Modern Biology	3	0	0	3	None
	PH 201	Physics of Materials	3	0	0	3	None
	MA 211	Graph Theory	3	0	0	3	None
	<b>Any other subject offered by Sc. departments and recommended by the Course Adviser</b>						
<b>Engg. Science Core Courses (ESC)</b>	ME 101	Engineering Mechanics	3	0	0	3	None
	CE 101	Engineering Drawing	1	0	4	3	None
	EE 101	Basic Electrical Engineering	3	0	0	3	None
	EE 151	Basic Electrical Engg. Lab	0	0	2	1	None
	ME 102	Engg. Thermodynamics	2	0	0	2	None
	EC 101	Basic Electronics	3	0	0	3	None
	EC 151	Basic Electronics Lab	0	0	2	1	None
	CS 101	Computer Programming	2	0	0	2	None
	CS 151	Computer Programming Lab	0	0	2	1	None
	ME 103	Workshop Practice – I	0	0	4	2	None
<b>Discipline Core Courses (DC)</b>	EE 201	Electronic Devices & Circuits	3	1	0	4	EC 101/EC 101
	EE 251	Electronic Devices & Circuits Lab	0	0	2	1	
	EE 202	Digital Logic Design	3	1	0	4	EC 101/EC 151
	EE 252	Digital Logic Design Lab	0	0	2	1	
	EE 203	Network Analysis	3	1	0	4	EE 101/EE 151
	EE 253	Network Analysis Lab	0	0	2	1	
	EE 204	Measurement & Instrumentation	3	1	0	4	EE 101/EE 151



<b>Open Electives Courses (OE)</b>	<b>Any course of appropriate level offered in the Institute and recommended by the Course Adviser</b>						
<b>Project Work (PW)</b>	EE 401	Project – I	0	0	8	4	>= 100 credits
	EE 402	Project – II	0	0	16	8	>= 120 credits
<b>HSS Core Courses (HSC)</b>	HS 101	English Language Skills	2	0	0	2	None
	HS 151	English Lang. Skills Lab	0	0	2	1	None
	HS 301	Foundations of Management	3	0	0	3	None
	HS 302	Accounting & Financial Methods	3	0	0	3	HS 301
	HS 401	Professional Ethics	2	0	0	2	HS 301
<b>HSS Electives Courses (HSE)</b>	HS 402	Introduction to Economics	3	0	0	3	None
	HS 403	Introduction to sociology	3	0	0	3	None
	HS 404	Introduction to Psychology	3	0	0	3	None
	HS 405	Introduction to Behavioural Science	3	0	0	3	None
	<b>Any other course offered by HSS Department and recommended by course advisor</b>						