

## ELECTRONICS & COMMUNICATION ENGINEERING

Programme: B. Tech/E.C.E.

Semester : III

Year : July 2017

Course No.	Course Title	Course Type	Contact			Credit	Remarks
			L	T	P		
MA 201	Mathematics-III	SC	3	0	0	3	
EC 201	Network Analysis	DC	3	1	0	4	
EC 251	Network Analysis Laboratory	DC	0	0	2	1	
EC 202	Digital Logic Design	DC	3	1	0	4	
EC 252	Digital Logic Design Laboratory	DC	0	0	2	1	
EC 203	Signal & Systems	DC	3	1	0	4	
CS 210	OE-I (e.g. Data Structures & Algorithms Laboratory)	OE	3	0	0	3	
CS260	OE-I (e.g. Data Structures & Algorithms Laboratory)	OE	0	0	2	1	
PH 201/ BT 201	Science Elective (e.g. Physics of Materials, Modern Biology etc.)	SE	3	0	0	3	
			18	3	6		
	<b>Total Contact Hours per week</b>		27			24	

*Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC); Discipline Elective (DE); Open Elective (OE); Project Work (PW)*

Programme: B. Tech/E.C.E

Semester : V

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
EC 301	Microprocessors & Interfacing	DC	3	0	2	4	
EC 302	Digital Communication	DC	3	1	2	5	
EC 303	Digital Signal Processing	DC	3	0	2	4	
EC 311	DE-I (EM Waves & Radiating Pattern)	DE	4	0	2	5	
EE 303	OE-IV (Control System)	OE	3	0	2	4	
HS 301	Foundations of Management	HSC	3	0	0	3	
			19	1	10		
	<b>Total Contact Hours per week</b>		30			25	

DC- Discipline Core,

SE- Science Elective,

OE- Open Elective

Programme: B. Tech/E.C.E.

Semester : VII

Year : July 2017

**Courses to be offered:**

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
EC 401	Project-I	PW	0	0	8	4	
EC 411	DE-III (VLSI Design)	DE	3	0	2	4	
EC 412	DE-IV (RF & Microwave)	DE	4	0	2	5	
EC514/ME429	OE-V (Advanced Digital Commn.) / Robotics	OE	3	0	2	4/3	
HS 401	Professional Ethics	HSC	2	0	0	2	
HS 402	Introduction to Economics	HSE	3	0	0	3	
			15	0	14		
	<b>Total Contact Hours per week</b>		29			22/21	

DC- Discipline Core,

HSC- HSC Core,

DE- Discipline Elective,

OE- Open Elective

Programme: M. Tech/E.C.E.

Semester : I

Year : July 2017

Code	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
MA 551	Advanced Engineering Mathematics		3	0	0	3	
EC 503	Advanced Digital Signal Processing		3	0	2	4	
EC 502	Electronic System Design		3	0	2	4	
EC xxx	Elective-I		3	0	2	4	
EC xxx	Elective-II		3	0	2	4	
			15	0	6		
			<b>21</b>			<b>19</b>	

***Elective-I & II***

EC 511	Wireless & Mobile Communication	(3-0-2:4)	
EC 514	Advanced Digital Communication	(3-0-2:4)	
EC519	RF and Microwave engineering	(3-0-2:4)	
EC 512	VLSI Circuits & Systems	(3-0-2:4)	
EC 520	Mixed Signal Design	(3-0-2:4)	