

### SEMESTER –III

SN	Subject Code	Subject	Type	Category	Periods			Sessional Component		Sessional (SW) (TS/PS)	End Semester Examination (ESE)	Total SW+ES E	Credi t Cr
					L	T	P	CT	TA	CT+T A	TE/P E		
1	BOE3** / BAS303	Science Based Open Elective/BSC (Maths- III/Math IV/ Math V)	T	ES/BS	3	1	0	20	10	30	70	100	4
2	BVE301 / BAS301	Universal Human Value and Professional Ethics/ Technical Communication	T	VA/HS	2	1	0	20	10	30	70	100	3
3	BEE301	Electromagnetic Field Theory	T	PC	3	1	0	20	10	30	70	100	4
4	BEE302	Electrical Measurements & Instrumentation	T	PC	3	1	0	20	10	30	70	100	4
5	BEE303	Basic Signals & Systems	T	PC	2	1	0	20	10	30	70	100	3
6	BEE351	Circuit Simulation Lab	P	PC	0	0	2		50	50	50	100	1
7	BEE352	Electrical Measurements and Instrumentation Lab	P	PC	0	0	2		50	50	50	100	1
8	BEE353	Electrical Workshop	P	PC	0	0	2		50	50	50	100	1
10	BCC301 / BCC302	Cyber Security/Python programming	T	VA	2	0	0	20	10	30	70	100	2
11	BCC351	Internship Assessment /Mini Project*	P							100		100	2
		<b>Total</b>			<b>15</b>	<b>5</b>	<b>6</b>						<b>25</b>

- **Mathematics –III** for CE / ENV and allied branches
- **Mathematics-IV** for Computer/Electronics/Electrical & allied Branches, Mechanical & Allied Branches  
Textile/Chemical & allied Branches
- **Mathematics-V** for Bio Technology / Agriculture Engineering

### SEMESTER –IV

SN	Subject Code	Subject	Type	Category	Periods			Sessional Component		Sessional (SW) (TS/PS)	End Semester Examination (ESE)	Total SW+ ESE	Credit Cr
					L	T	P	CT	TA	CT+T A	TE/P E		
1	BAS403 / BOE4**	BSC(Maths-III/Math IV/ Math V)/Science Based Open Elective	T	BS/ES	3	1	0	20	10	30	70	100	4
2	BAS401 / BVE401	Technical Communication / Universal Human Value and Professional Ethics	T	HS/VA	2	1	0	20	10	30	70	100	3
3	BEE401	Digital Electronics	T	PC	3	1	0	20	10	30	70	100	4
4	BEE402	Electrical Machines-I	T	PC	3	1	0	20	10	30	70	100	4
5	BEE403	Networks Analysis & Synthesis	T	PC	2	1	0	20	10	30	70	100	3
6	BEE451	Network Analysis & Synthesis Lab	P	PC	0	0	2		50	50	50	100	1
7	BEE452	Electrical Machines-I Lab	P	PC	0	0	2		50	50	50	100	1
8	BEE453	Digital Electronics Lab	P	PC	0	0	2		50	50	50	100	1
9	BCC402 / BCC401	Python Programming/Cyber Security	P	VA	2	0	0	20	10	30	70	100	2
10	BVE451 / BVE452	Sports and Yoga - II / NSS-II	P	VA	0	0	3			100		100	0
		<b>Total</b>			<b>15</b>	<b>5</b>	<b>9</b>						<b>23</b>
		<b>Minor Degree/ Honors Degree MT-1/HT-1</b>											

\*The Mini Project or internship (4 weeks) will be done during summer break after 4<sup>th</sup> Semester and will be assessed during V semester.