

Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)



Credit System for

S.Y. B.Tech. (Electrical Engineering)

Sem-III and IV

AY 2020-21



Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Credit System for S.Y. B.Tech. (Electrical Engineering) Sem-III AY 2020-21

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Credits	ISE-1	MSE*	ISE-2	ESE	
Professional Core (Theory)													
1	BS	5MA201	Probability and Statistics	2	0	0	2	2	10	30	10	50	
2	PC	5EL201	DC Machines and Transformers	3	0	0	3	3	10	30	10	50	
3	PC	5EL202	Electrical Circuits	3	0	0	3	3	10	30	10	50	
4	PC	5EL203	Analog and Digital Circuits	3	0	0	3	3	10	30	10	50	
5	PC	5EL204	Electrical Measurement	3	0	0	3	3	10	30	10	50	
6	PC	5EL205	Instrumentation	3	0	0	3	3	10	30	10	50	
Professional Core (Lab)													
7	PC	5EL251	DC Machines and Transformers Lab	0	0	2	2	1	25	25	25	25	
8	PC	5EL252	Electrical Circuit and Measurement Lab	0	0	2	2	1	25	25	25	25	
9	PC	5EL253	Analog and Digital Circuits Lab	0	0	2	2	1	25	25	25	25	
Mandatory Life Skill Courses @													
10	HS	Refer list	Mandatory Life Skill Course	2	0	0	2	0	10	30	10	50	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				19	0	6	25	20					



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Course List for S.Y. B.Tech. (Electrical Engineering) Sem-III AY 2020-21

Sr.No.	Course Code	Course Name
Mandatory Life Skill Course		
1	5IC201	Environmental Sciences

Notes:

* For Lab courses, there will be only internal continuous assessment. ESE is a separate head of passing for both theory and lab courses.

The Value Added Courses are Optional Courses. The mode of teaching (LTPI) is decided by the resource person.

The list of Value added courses will be updated from time to time. The courses may be on paid basis.

The credits earned from these courses will be shown on grade card. For SPI and CPI calculation, these courses will be excluded.

These courses will be offered as per availability of faculty

@ Minimum 2 mandatory life skill courses are to be completed for award of degree.

For further details refer to Academic and Examination rules and regulations.



Walchand College of Engineering, Sangli

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Credit System for S.Y. B.Tech. (Electrical Engineering) Sem-IV AY 2020-21

Sr.No.	Category	Course Code	Course Name	L	T	P	Hrs	Credits	ISE-1	MSE*	ISE-2	ESE	
Professional Core (Theory)													
1	BS	5EL221	Applied Mathematics for Electrical Engineers	3	0	0	3	3	10	30	10	50	
2	PC	5EL222	AC Machines	3	0	0	3	3	10	30	10	50	
3	PC	5EL223	Electrical Transmission and Distribution	3	0	0	3	3	10	30	10	50	
4	PC	5EL224	Power Electronics	3	0	0	3	3	10	30	10	50	
5	PC	5EL225	Signals and Systems	3	1	0	4	4	10	30	10	50	
Professional Core (Lab)													
6	PC	5EL272	AC Machines Lab	0	0	2	2	1	25	25	25	25	
7	PC	5EL273	Electrical Transmission and Distribution Lab	0	0	2	2	1	25	25	25	25	
8	PC	5EL274	Power Electronics Lab	0	0	2	2	1	25	25	25	25	
9	HS	5EL275	Presentation and Report Writing	1	0	0	1	1	25	25	25	25	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				16	1	6	23	20					

Notes:

* For Lab courses, there will be only internal continuous assessment. ESE is a separate head of passing for both theory and lab courses.

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The list of Value added courses will be updated from time to time. The courses may be on paid basis.

The credits earned from these courses will be shown on grade card. For SPI and CPI calculation, these courses will be excluded.

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