

Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)



Credit System for

**F.Y. B.Tech. (All Programs) Group B
Sem-I and II**

AY 2020-21



Walchand College of Engineering, Sangli

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Credit System for F.Y. B.Tech. (All Programs) Group B Sem-I 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	5CH101	Engineering Chemistry	3	0	0	3	3	10	30	10	50	
2	BS	5MA101	Engineering Mathematics-I	3	1	0	4	4	10	30	10	50	
3	ES	5ME101	Engineering Graphics and CAD	2	0	0	2	2	10	30	10	50	
4	BS	5EL101	Basic Electrical Engineering	3	0	0	3	3	10	30	10	50	
5	ES	5EN101	Arduino Based Systems	2	0	0	2	2	10	30	10	50	
Professional Core (Lab)													
6	ES	5ME151	Engineering Graphics and CAD Lab	0	0	2	2	1	25	25	25	25	
7	ES	5EL151	Basic Electrical Engineering Lab	0	0	2	2	1	25	25	25	25	
8	BS	5CH151	Engineering Chemistry Lab	0	0	2	2	1	25	25	25	25	
9	ES	5EN151	Arduino Based Systems Lab	0	0	2	2	1	25	25	25	25	
Professional Elective (Theory)													
10	BS	Refer list	Elective on Basic Sciences	2	0	0	2	2	10	30	10	50	
Value Added Professional Courses #													
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Value Added Life-Skill Courses #													
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Total				15	1	8	24	20					



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Course List for S.Y. B.Tech. (All Programs) Sem-I AY 2020-21

Sr.No.	Course Code	Course Name
Elective on Basic Sciences		
1	5BS101	Biology for Engineers
2	5BS104	Life 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.



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Credit System for F.Y. B.Tech. (All Programs) Group B Sem-II 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	5PH101	Engineering Physics	3	0	0	3	3	10	30	10	50	
2	BS	5MA102	Engineering Mathematics-II	3	1	0	4	4	10	30	10	50	
3	ES	5CV101	Engineering Mechanics	3	0	0	3	3	10	30	10	50	
4	HS	5HS101	Communication Skills	2	1	0	3	3	10	30	10	50	
5	ES	5CS101	Programming for problem solving	2	0	0	2	2	10	30	10	50	
Professional Core (Lab)													
6	ES	5CV151	Engineering Mechanics Lab	0	0	2	2	1	25	25	25	25	
7	ES	5ME152	Workshop Practice	0	0	2	2	1	25	25	25	25	
8	ES	5CS151	Programming for problem solving Lab	0	0	2	2	1	25	25	25	25	
9	BS	5PH151	Engineering Physics 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 #													
--													
Total				15	2	8	25	19					



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Course List for F.Y. B.Tech. (All Programs) Sem-II AY 2020-21

Sr.No.	Course Code	Course Name
Mandatory Life Skill Course		
1	5IC101	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.

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