Walchand College of Engineering

(Government Aided Autonomous Institute)

Curriculum Structure and Credit System

First Year B.Tech. (Mechanical Engineering)

Applicable from A.Y. 2026-27 and Onwards

Semester I

Sr.	Course Particulars			Course Delivery					Credits	Assessments			
	Category	Code	Name	L	T	I	P	Hrs		ISE/LA1	MSE/LA2	ESE	Ext.
1	BSC	8BS105	Linear Algebra and Calculus	2	1			3	3	20	30	50	--
2	BSC	8BS106	Materials and Chemical Analysis	2			2	4	3	30	20	50	--
3	ESC	8ES151	Engineering Exploration	2			4	6	4	30	30	40	--
4	ESC	8ES104	Engineering Mechanics	3			2	5	4	30	20	50	--
5	PCC	8ME101	Introduction to Engineering Drawing	1			2	3	2	30	20	50	--
6	VSEC	8VS153	Workshop 1				2	2	1	30	30	40	--
7	CCA	Refer List	CCA 1 *(from CCA list)*				2	2	1	30	30	40	--
8	AEC	8AE151	Professional Communication		1	1		2	2	30	30	40	--
			Totals	**10**	**2**	**1**	**14**	**27**	**20**				

DAC/Secretary, BoS

Head, Mechanical Engg. Dept / Chairman, BoS

Dean Academics

Walchand College of Engineering

(Government Aided Autonomous Institute)

Curriculum Structure and Credit System

First Year B.Tech. (Mechanical Engineering) - Semester I

Applicable from A.Y. 2026-27 and Onwards

Semester II

Sr.	Course Particulars			Course Delivery					Credits	Assessments			
	Category	Code	Name	L	T	I	P	Hrs		ISE/LA1	MSE/LA2	ESE	Ext.
1	BSC	8BS107	Differential Equations & Complex Variables	2	1			3	3	20	30	50	--
2	BSC	8BS108	Applied Physics	2			2	4	3	30	20	50	--
3	ESC	8ES105	Engineering Graphics	2			2	4	3	30	20	50	--
4	ESC	8ES153	Basics of Electrical and Electronics Engineering	2				2	2	20	30	50	--
5	IKS	8IK151	Indian Knowledge System			2		2	2	30	30	40	--
6	ESC	8ES106	Computer Programming			1	2	3	2	30	30	40	--
7	PCC	8ME102	Basic Mechanical Engineering	3			2	5	4	30	20	50	--
8	VSEC	8VS154	Workshop 2				2	2	1	30	30	40	--
9	CCA	Refer List	CCA 2 *(from CCA list)*				2	2	1	30	30	40	--
			Totals	**11**	**1**	**3**	**12**	**27**	**21**				

DAC/Secretary, BoS

Head, Mechanical Engg. Dept./
Chairman, BoS

Dean Academics