

Dr. Babasaheb Ambedkar Technological University, Lonere

B. Tech

First Year Engineering

Common to all branches for Affiliated colleges only

In line with National Education Policy 2020 guidelines

[With Effect from the Academic Year 2024-2025 for Affiliated Colleges Only]

First Year Teaching and Evaluation Scheme

GROUP A

Semester I											
Sr. No.	Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC	24AF1000BS101	Engineering Mathematics – I	3	0	0	20	20	60	100	3
2	BSC	24AF1CHEBS102	Engineering Chemistr	3	0	0	20	20	60	100	3
3	BSC	24AF1CHEBS103L	Engineering Chemistr Lab	0	0	2	60	--	40*	100	1
4	ESC	24AF1EMES104	Engineering Mechani	3	0	0	20	20	60	100	3
5	ESC	24AF1EMES105L	Engineering Mechani Lab	0	0	2	60	--	40*	100	1
6	ESC	24AF1000ES106	Programming for Problem Solving	2	0	0	20	20	60	100	2
7	ESC	24AF1000ES107L	Programming for Problem Solving Lab	0	0	2	60	--	40*	100	1
8	VSEC	24AF1000VS108L	Workshop Practices	0	0	4	60	--	40*	100	2
9	AEC-01	24AF1000VS109	Communication Skills	2	0	0	20	20	60	100	2
10	AEC-01	24AF1000VS110L	Communication Skills Lab	0	0	2	60	--	40*	100	1
11	CC	24AF1000CC111A	A. Yoga Education B. NSS-I C. NCC	1	0	2	60	--	40 [†]	100	2
		24AF1000CC111B									
		24AF1000CC111C									
	Total			14	0	14	460	100	540	1100	21

*Practical/Oral evaluation of 40 marks at the end of the semester.

†Presentation/Oral evaluation of 40 marks at the end of the semester.

Dr. Babasaheb Ambedkar Technological University, Lonere

B. Tech

First Year Engineering

Common to all branches for Affiliated colleges only

In line with National Education Policy 2020 guidelines

[With Effect from the Academic Year 2024-2025 for Affiliated Colleges Only]

First Year Teaching and Evaluation Scheme

GROUP B

Semester I											
Sr. No.	Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC		Engineering Mathematics – I	3	0	0	20	20	60	100	3
2	BSC		Engineering Physics	3	0	0	20	20	60	100	3
3	BSC		Engineering Physics Lab	0	0	2	60	--	40*	100	1
4	ESC		Engineering Graphics	2	0	0	20	20	60	100	2
5	ESC		Engineering Graphics Lab	0	0	2	60	--	40*	100	1
6	ESC		Basic Electrical and Electronics Engineering	3	0	0	20	20	60	100	3
7	ESC		Basic Electrical and Electronics Engineering Lab	0	0	2	60	--	40*	100	1
8	ESC		Basic Civil and Mechanical Engineering	3	0	0	20	20	60	100	3
9	BSC		Energy and Environmental Engineering	2	0	0	50	--	--	50	AU
10	IKS		IKS Bucket #	2	0	0	60	--	40 [†]	100	2
11	VSEC		Design Thinking	2	0	0	60	--	40 [†]	100	2
12	CC		A. Integrated Personality Development B. NSS-II C. Health and Wellness	1	0	2	60	--	40 [†]	100	2
	Total			21	0	8	510	100	540	1150	23

*Practical/Oral evaluation of 40 marks at the end of the semester.

[†]Presentation/Oral evaluation of 40 marks at the end of the semester.

Refer to the University website for the subjects under IKS bucket

Dr. Babasaheb Ambedkar Technological University, Lonere
B. Tech

First Year Engineering

Common to all branches for Affiliated colleges only

In line with National Education Policy 2020 guidelines

[With Effect from the Academic Year 2024-2025 for Affiliated Colleges Only]

First Year Teaching and Evaluation Scheme

GROUP A

Semester II											
Sr. No.	Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC	24AF1000BS201	Engineering Mathematics – II	3	0	0	20	20	60	100	3
2	BSC	24AF2PHYBS202	Engineering Physics	3	0	0	20	20	60	100	3
3	BSC	24AF2PHYBS203L	Engineering Physics Lab	0	0	2	60	--	40*	100	1
4	ESC	24AF2EGRES204	Engineering Graphics	2	0	0	20	20	60	100	2
5	ESC	24AF2EGRES205L	Engineering Graphics Lab	0	0	2	60	--	40*	100	1
6	ESC	24AF1000ES206	Basic Electrical and Electronics Engineering	3	0	0	20	20	60	100	3
7	ESC	24AF1000ES207L	Basic Electrical and Electronics Engineering Lab	0	0	2	60	--	40*	100	1
8	ESC	24AF2CMEES208	Basic Civil and Mechanical Engineering	3	0	0	20	20	60	100	3
9	BSC	24AF1EEEEES209	Energy and Environmental Engineering	2	0	0	50	--	--	50	AU
10	IKS	24AF1000IK210	IKS Bucket #	2	0	0	60	--	40 [†]	100	2
11	VSEC	24AF1000VS211	Design Thinking	2	0	0	60	--	40 [†]	100	2
12	CC	24AF1000CC212A	A. Integrated Personality Development	1	0	2	60	--	40 [†]	100	2
		24AF1000CC212B	B. NSS-II								
		24AF1000CC212C	C. Health and Wellness								
	Total			21	0	8	510	100	540	1150	23

*Practical/Oral evaluation of 40 marks at the end of the semester.

[†]Presentation/Oral evaluation of 40 marks at the end of the semester. # Refer to the University website for the subjects under IKS bucket

Dr. Babasaheb Ambedkar Technological University, Lonere

B. Tech

First Year Engineering

Common to all branches for Affiliated colleges only

In line with National Education Policy 2020 guidelines

[With Effect from the Academic Year 2024-2025 for Affiliated Colleges Only]

First Year Teaching and Evaluation Scheme

GROUP B

Semester II											
Sr. No.	Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC		Engineering Mathematics – II	3	0	0	20	20	60	100	3
2	BSC		Engineering Chemistry	3	0	0	20	20	60	100	3
3	BSC		Engineering Chemistry Lab	0	0	2	60	--	40*	100	1
4	ESC		Engineering Mechanics	3	0	0	20	20	60	100	3
5	ESC		Engineering Mechanics Lab	0	0	2	60	--	40*	100	1
6	ESC		Programming for Problem Solving	2	0	0	20	20	60	100	2
7	ESC		Programming for Problem Solving Lab	0	0	2	60	--	40*	100	1
8	VSEC		Workshop Practices	0	0	4	60	--	40*	100	2
9	AEC-01		Communication Skills	2	0	0	20	20	60	100	2
10	AEC-01		Communication Skills Lab	0	0	2	60	--	40*	100	1
11	CC		A. Yoga Education B. NSS-I C. NCC	1	0	2	60	--	40 [†]	100	2
	Total			14	0	14	460	100	540	1100	21

*Practical/Oral evaluation of 40 marks at the end of the semester.

[†]Presentation/Oral evaluation of 40 marks at the end of the semester.