

# B Tech Curriculum – 2023

## FIRST YEAR B Tech CURRICULUM 2023 (Common to all branches)

### PHYSICS CYCLE

Year	FIRST SEMESTER						SECOND SEMESTER					
	Sub. Code	Subject Name	L	T	P	C	Sub. Code	Subject Name	L	T	P	C
I		Engineering mathematics - I	3	1	0	4		Engineering mathematics - II	3	1	0	4
		Engineering Physics	2	1	0	3		Engineering Chemistry	2	1	0	3
		Mechanics of Solids	2	1	0	3		Biology for Engineers	3	0	0	3
		Basic Electronics	2	1	0	3		Basic Electrical Technology	2	1	0	3
		Basic Mechanical Engineering	2	1	0	3		Problem Solving Using Computers	2	1	0	3
		Communication Skills in English	2	0	0	2		Environmental Studies	2	0	0	2
		Universal Human Values and Professional Ethics (MLC)	1	0	0	1		Human Rights and Constitution (MLC)	1	0	0	1
		Engineering Physics Lab	0	0	3	1		Engineering Chemistry Lab	0	0	3	1
		Workshop Practice	0	0	3	1		PSUC Lab	0	0	3	1
		Engineering Graphics - I	0	0	3	1		Engineering Graphics - II	0	0	3	1
		Creativity, Problem Solving & Innovation*(MLC)	1	0	0	--*		Creativity, Problem Solving & Innovation* (MLC)	1	0	0	--*
		<b>15</b>	<b>5</b>	<b>9</b>	<b>22</b>			<b>16</b>	<b>4</b>	<b>9</b>	<b>22</b>	
	<b>Total Contact Hours (L + T + P)</b>		<b>29</b>			<b>Total Contact Hours (L + T + P)</b>		<b>29</b>				

\*After completing a project work along with other activities which are assessed periodically the students would earn 3 credits which would be considered in lieu of an open elective for Fifth semester B Tech

**FIRST YEAR B Tech CURRICULUM 2023 (Common to all branches)**

**CHEMISTRY CYCLE**

Year	FIRST SEMESTER						SECOND SEMESTER					
	Sub. Code	Subject Name	L	T	P	C	Sub. Code	Subject Name	L	T	P	C
I		Engineering Mathematics - I	3	1	0	4		Engineering Mathematics - II	3	1	0	4
		Engineering Chemistry	2	1	0	3		Engineering Physics	2	1	0	3
		Biology for Engineers	3	0	0	3		Mechanics of Solids	2	1	0	3
		Basic Electrical Technology	2	1	0	3		Basic Electronics	2	1	0	3
		Problem Solving Using Computers	2	1	0	3		Basic Mechanical Engineering	2	1	0	3
		Environmental Studies	2	0	0	2		Communication Skills in English	2	0	0	2
		Human Rights and Constitution (MLC)	1	0	0	1		Universal Human Values and Professional Ethics (MLC)	1	0	0	1
		Engineering Chemistry Lab	0	0	3	1		Engineering Physics Lab	0	0	3	1
		PSUC Lab	0	0	3	1		Workshop Practice	0	0	3	1
		Engineering Graphics – I	0	0	3	1		Engineering Graphics - II	0	0	3	1
		Creativity, Problem Solving & Innovation (MLC)*	1	0	0	--*		Creativity, Problem Solving & Innovation (MLC)*	1	0	0	--*
		<b>16</b>	<b>4</b>	<b>9</b>	<b>22</b>			<b>15</b>	<b>5</b>	<b>9</b>	<b>22</b>	
	<b>Total Contact Hours (L + T + P)</b>		<b>29</b>			<b>Total Contact Hours (L + T + P)</b>		<b>29</b>				

\*After completing a project work along with other activities which are assessed periodically the students would earn 3 credits which would be considered in lieu of the open elective for Fifth semester B Tech

## SECOND YEAR BTech CURRICULUM - B Tech (Computer Science and Financial Technology)

Year	THIRD SEMESTER						FOURTH SEMESTER					
	Sub. Code	Subject Name	L	T	P	C	Sub. Code	Subject Name	L	T	P	C
<b>II</b>	MAT	Linear Algebra & Statistics	4	0	0	4	MAT	Probability, Stochastic Process and Operation Research	4	0	0	4
	CSE	Programming Fundamentals	4	0	0	4	CSE	Database Management Systems	3	0	0	3
	CSE	Algorithms & Data Structures	4	0	0	4	CSE	Cyber Security	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
	HUM	Introduction to Banking, Insurance and Capital Markets	3	0	0	3	HUM	Introduction to Fintech	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
	HUM	Accounting For Engineers	4	0	0	4	HUM	Economics of Banking and Financial Services	3	0	0	3
	CSE	Programming Fundamentals Lab	0	0	3	1	HUM	Financial management	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
	CSE	Algorithms - Lab	0	0	3	1	CSE	Data Base Management Systems Lab	0	0	3	1
	CSE	Open-source Technology lab	0	0	3	1	HUM	Finance Application lab	0	0	3	1
			<b>18</b>	<b>1</b>	<b>12</b>	<b>22</b>			<b>17</b>	<b>0</b>	<b>12</b>	<b>21</b>
	<b>Total Contact Hours (L + T + P)</b>		<b>30</b>			<b>Total Contact Hours (L + T + P)</b>		<b>29</b>				