

Sr. No.	Name of Honors	Allowed as Honors for students of	Subjects	Subject code	L	T	P	C
1	Artificial Intelligence and Machine Learning	Computer Engineering	Introduction to Artificial Intelligence and Robotics	BTEA19422	3	0	2	4
		Information Technology	Machine Learning and Applications	BTEA19522	4	0	2	5
		Electronics and Communications Engg	Deep Learning	BTEA19622	4	0	2	5
			Modern Trends in AI-ML	BTEA19722	3	0	2	4
2	Data Science	Computer Engineering	Statistics and Data Pre-processing	BTEA19421	3	0	2	4
		Information Technology	Machine Learning and Deep Learning	BTEA19521	4	0	2	5
		Electronics and Communications Engg	Python and SQL for Data Science	BTEA19621	4	0	2	5
			Data Visualization Skills	BTEA19721	3	0	2	4
3	Cyber Security	Computer Engineering	Fundamentals of Cyber Security	BTEA19423	3	0	2	4
		Information Technology	Ethical Hacking and Penetration Testing	BTEA19523	4	0	2	5
		Electronics and Communications Engg	Cyber Crime and Investigation Techniques	BTEA19623	4	0	2	5
		Artificial Intelligence and Data Science	Digital Forensics	BTEA19723	3	0	2	4
4	Internet of Things	Information Technology	Fundamentals of Internet of Things	BTEA19425	3	0	2	4
		Electronics and Communications Engg	IoT Architecture and Protocols	BTEA19525	4	0	2	5
		Artificial Intelligence and Data Science	Sensors, Actuators and Interfacing	BTEA19625	4	0	2	5
		Computer Engineering	Cloud and Fog Computing	BTEA19725	3	0	2	4
5	Blockchain Technology	Information Technology	Foundations of Blockchain Technology	BTEA19426	3	0	2	4
		Electronics and Communications Engg	Bitcoin and Cryptocurrencies	BTEA19526	4	0	2	5
		Artificial Intelligence and Data Science	BlockChain 2.0 and Ethereum	BTEA19626	4	0	2	5
		Computer Engineering	Advanced Blockchain Technologies and Use cases	BTEA19726	3	0	2	4
6	Virtual and Augmented Reality	Computer Engineering	C# Programming	BTEA19424	3	0	2	4
		Information Technology	Virtual Reality	BTEA19524	3	0	2	4
		Artificial Intelligence and Data Science	Extended Reality	BTEA19624	3	0	4	6
			Game Development using AR-VR	BTEA19724	4	0	2	5
7	Full Stack Developer	Computer Engineering	Web Framework	BTCO19425	4	0	2	5
			Enterprise Application Development	BTCO19525	3	0	2	4
			.NET Programming	BTCO19625	3	0	2	4
			Advance Web Technology	BTCO19725	4	0	2	5
8	Wireless Communication	Electronics and Communications Engg	Wireless and Ad-hoc Network	BTEC19422	3	0	2	4
			Advanced Networking	BTEC19522	4	0	2	5
			Next Generation Wireless Mobile Network	BTEC19622	4	0	2	5
			Software Defined Radio & Optical Network	BTEC19722	3	0	2	4

9	Robotics	Electronics and Communications Engg	Sensors, Actuators and Interfacing	BTEA19625	4	0	2	5
		Mechanical Engineering	Computer Vision for Robotics	BTEC19521	4	0	2	5
			Introduction to AI and Robotics	BTEA19422	3	0	2	4
			Cyber physical systems in robotics	BTEC19721	3	0	2	4
10	Process Simulation	Chemical Engineering	Process Calculation using Softwares	BTCH19411	3	0	0	3
			Steady State Process Modeling and Simulation	BTCH19511	3	0	2	4
			Thermodynamics approach in Process Simulation	BTCH19512	3	0	0	3
			Plant Design and Simulation	BTCH19611	3	0	2	4
			Process Optimization	BTCH19711	3	0	2	4
11	Pharmaceutical Engineering	Chemical Engineering	Basics of Pharmaceutical Engineering	BTCH19421	3	0	0	3
			Pharmaceutical packaging Technology	BTCH19521	3	0	2	4
			GMP issues in the pharmaceutical Industries	BTCH19522	3	0	0	3
			Unit operations in pharma industries	BTCH19621	3	0	2	4
			Validation in the pharmaceutical industries	BTCH19721	3	0	2	4
12	Fluidization Engineering	Chemical Engineering	Fundamentals of fluidization engineering	BTCH19431	3	0	0	3
			Flow dynamics in fluidization	BTCH19531	3	0	2	4
			Heat & Mass Transfer in fluidized bed	BTCH19532	3	0	0	3
			Design & operation in catalytic and non-catalytic gas-solid reactors	BTCH19631	3	0	2	4
			Industrial fluidized bed reactors case studies	BTCH19731	3	0	2	4
13	Surface Engineering	Chemical Engineering	Surface & Colloids: Introduction and application	BTCH19441	3	0	0	3
			Chemical and Physical interaction	BTCH19541	3	0	2	4
			Surface Engineering Aspects	BTCH19542	3	0	0	3
			Design and control of surface development	BTCH19641	3	0	2	4
			Modeling & Simulation in surface engineering	BTCH19741	3	0	2	4
14	Structural Health Monitoring	Civil Engineering	Structural Failures – Case Studies	BTCL19405	4	0	2	5
			Advanced Repair Materials	BTCL19505	4	0	2	5
			Condition Assessment - Practical Approach	BTCL19605	3	0	2	4
			Structural Response to Vibrations	BTCL19705	3	0	2	4

15	Town & Regional Planning	Civil Engineering	Smart Metropolitan Planning	BTCL19406	4	0	2	5
			Advances in Mass Transportation	BTCL19506	4	0	2	5
			e-Governance	BTCL19606	3	0	2	4
			Regional Planning in India	BTCL19706	3	0	2	4
16	Urban Environment and Sustainability	Civil Engineering	Municipal and Industrial water and wastewater management	BTCL19407	4	0	2	5
			Air Pollution and Control	BTCL19507	4	0	2	5
			Soild Waste Management	BTCL19607	3	0	2	4
			Sustainable Urban Environment	BTCL19707	3	0	2	4
17	Soil Mechanics and Foundation Engineering	Civil Engineering	Design of Shallow & Deep Foundation	BTCL19408	4	0	2	5
			Design and Analysis of Pavements	BTCL19508	4	0	2	5
			Reinforced Soil Structure	BTCL19608	3	0	2	4
			Soil Dynamics	BTCL19708	3	0	2	4
18	Real Estate Valuation	Civil Engineering	Basics of Valuation	BTCL19409	4	0	2	5
			Approaches to Valuation-I	BTCL19509	4	0	2	5
			Approaches to Valuation-II	BTCL19609	3	0	2	4
			Reporting Writing and Field Applications	BTCL19709	3	0	2	4
19	Electrical and Computer Engineering	Electrical Engineering	Data Structure and Algorithm	BTEL19421	4	0	2	5
			Operating System	BTEL19521	3	0	2	4
			Database Management System	BTEL19621	3	0	2	4
			Artificial Intelligence-Machine Learning	BTEL19721	4	0	2	5
20	Electrical Vehicles	Electrical Engineering	Fundamentals of Electrical and Hybrid vehicle	BTEL19422	3	0	0	3
			Advance Electrical Machines and Drives	BTEL19522	3	0	2	4
			Power Electronic converters for control of EV system	BTEL19622	3	0	2	4
			Energy Storage	BTEL19722	3	0	2	4
			Smart Grid with EV	BTEL19822	3	0	0	3

21	Microgrid	Electrical Engineering	Distributed Generation & Microgrid	BTCL19423	3	0	0	3
			DC Microgrids	BTCL19523	3	0	0	3
			Architecture and Control of AC Microgrids	BTCL19623	3	0	2	4
			Control & Operation of Microgrid	BTCL19723	3	0	2	4
			Microgrid Dynamics, Intelligent Control and Applications	BTCL19823	3	0	2	4
22	Industry 4.0	Instrumentation and Control Engg	Smart Manufacturing and Data Structure using Python	BTIC19421	4	0	2	5
			Database systems	BTIC19521	3	0	2	4
			Fundamental of Data Science (Algorithm for Data Science)	BTIC19621	3	0	2	4
			Measurement Data Analysis and Visualization	BTIC19721	4	0	2	5
23	Control System and Sensor Technology	Instrumentation and Control Engg	Design of Sensors and Control	BTIC19422	4	0	2	5
			Measurement Data Analysis	BTIC19522	3	0	2	4
			Advanced Process Control	BTIC19622	3	0	2	4
			Optimal and Robust Control	BTIC19722	4	0	2	5
24	Advances in Automobile Engineering	Mechanical Engineering	Vehicle Maintenance, Safety, and Laws	BTME19421	4	0	0	4
			Alternative Fuels and Power Systems	BTME19521	4	0	2	5
			Electric, Hybrid and Fuel cell Vehicles	BTME19621	4	0	2	5
			Smart Systems in Automobile	BTME19721	3	0	2	4
25	CAD/CAM	Mechanical Engineering	Computer Aided Design	BTME19422	3	0	4	5
			Finite Element Method	BTME19522	3	0	2	4
			Computer Aided Manufacturing	BTME19622	3	0	4	5
			Rapid Prototyping	BTME19722	2	0	4	4
26	Energy Systems	Mechanical Engineering	Thermal Storage System	BTME19423	3	0	0	3
			Renewable Energy Engineering/ Energy Conservation System (Any one)	BTME19523	4	0	2	5
			Solar Energy Systems	BTME19623	4	0	2	5
			Hydel and Wind Energy Systems	BTME19723	4	0	2	5
27	Medical Textile	Textile Technology	Advance Tetile for Wound care	BTTT19421	3	0	2	4
			Nonwoven Materials & Technologies for Medical Applications	BTTT19521	3	0	2	4
			Antimicrobial Textiles	BTTT19522	3	0	0	3
			Biomedical Textiles for Orthopaedic & Surgical Applications	BTTT19621	3	0	0	3
			Smart Textiles for Medicine & Healthcare	BTTT19721	3	0	2	4

28	Non-woven Technology	Textile Technology	Nonwoven manufacturing techniques	BTTT19422	3	0	0	3
			Development in nonwoven as geotextile	BTTT19523	3	0	2	4
			Nonwoven fabric for Hygiene Applications	BTTT19524	3	0	0	3
			Development in nonwoven as agrotextile	BTTT19622	3	0	2	4
			Developments in nonwovens for automotive textiles	BTTT19722	3	0	2	4
29	Textile Processing	Textile Technology	Technology of Pretreatment for Textile Processing	BTTT19423	3	0	2	4
			Chemistry of Intermediates, Dyes & Pigments	BTTT19525	3	0	0	3
			Technology of Dyeing & Printing	BTTT19526	3	0	2	4
			Technology of Finishing & Garment Processing	BTTT19623	3	0	2	4
			Eco Friendly Methods & Green Chemistry in Wet Processing	BTTT19723	3	0	0	3
30	Apparel & Fashion Technology	Textile Technology	Basics of Garment Manufacturing Technology	BTTT19424	3	0	2	4
			Sewing Technology & Embroidery	BTTT19527	3	0	2	4
			Pattern Making & Grading	BTTT19528	3	0	2	4
			Fashion Business & Apparel Quality Management	BTTT19624	3	0	0	3
			Entrepreneurship & Apparel Export Documentation	BTTT19724	3	0	0	3