

Semester I								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
BS	BTBS-T-BS-005	Engineering Mathematics-I	3	0	0	3	0	0
BS	BTBS-T-BS-002/ BTBS-T-BS-006	Engineering Chemistry/ Engineering Physics	3	0	0	3	0	0
ES	BTEC-T-ES-001/ BTEE-T-ES-001	Basic Electronics Engineering/ Basic Electrical Engineering	2	0	0	2	0	0
ES	BTCS-T-ES-001	Computer Programming	3	0	0	3	0	0
MC	BTBS-T-MC-001/ BTBS-T-MC-008	Constitution of India/ Environmental Science & Engineering	2	0	0	0	0	0
PRACTICAL								
BS	BTBS-P-BS-003/ BTBS-P-BS-007	Engineering Chemistry Lab/ Engineering Physics Lab	0	0	2	0	0	1
ES	BTBS-P-ES-009/ BTBS-P-ES-004	Manufacturing Practices/ Engineering Graphics	0	0	2	0	0	1
ES	BTEC-P-ES-002/ BTEE-P-ES-002	Basic Electronics Engineering Lab/ Basic Electrical Engineering Lab	0	0	2	0	0	1
ES	BTCS-P-ES-002	Computer Programming Lab	0	0	4	0	0	2
		SUB-TOTAL	13	0	10	11	0	5
		TOTAL	23			16		

Semester II								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
BS	BTBS-T-BS-013	Engineering Mathematics-II	3	0	0	3	0	0
BS	BTBS-T-BS-006/ BTBS-T-BS-002	Engineering Physics/ Engineering Chemistry	3	0	0	3	0	0
ES	BTEE-T-ES-001/ BTEC-T-ES-001	Basic Electrical Engineering/ Basic Electronics Engineering	2	0	0	2	0	0
ES	BTCS-T-ES-003	Data Structures & Algorithms	3	0	0	3	0	0
MC	BTBS-T-MC-008/ BTBS-T-MC-001	Environmental Science & Engineering/ Constitution of India	2	0	0	0	0	0
HS	BTBS-T-HS-099	Communicative & Technical English	2	0	0	2	0	0
PRACTICAL								
BS	BTBS-P-BS-007/ BTBS-P-BS-003	Engineering Physics Lab/ Engineering Chemistry Lab	0	0	2	0	0	1
ES	BTBS-P-ES-004/ BTBS-P-ES-009	Engineering Graphics/ Manufacturing Practices	0	0	2	0	0	1
ES	BTEE-P-ES-002/ BTEC-P-ES-002	Basic Electrical Engineering Lab/ Basic Electronics Engineering Lab	0	0	2	0	0	1
ES	BTCS-P-ES-004	Data Structures & Algorithms Lab	0	0	4	0	0	2
HS	BTBS-P-HS-011	Communicative & Technical English Lab	0	0	2	0	0	1
		SUB-TOTAL	15	0	12	13	0	6
		TOTAL	27			19		

Curriculum Structure

Semester III								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
BS	BTBS-T-BS-041	Mathematics-III for Electrical Sciences	3	0	0	3	0	0
ES	BTCS-T-ES-005	OOP Using Java	3	0	0	3	0	0
ES	BTBS-T-ES-013	Basics of Mechanical Engineering	3	1	0	3	1	0
PC	BTEE-T-PC-001	Circuits & Signals	3	1	0	3	1	0
PC	BTEE-T-PC-002	Electromagnetic Theory	3	0	0	3	0	0
PC	BTEI-T-PC-001	Analog Electronic Circuits	3	0	0	3	0	0
PRACTICAL								
ES	BTCS-P-ES-006	OOP Using Java Lab	0	0	2	0	0	1
PC	BTEE-P-PC-001	Circuits & Signals Lab	0	0	2	0	0	1
PC	BTEI-P-PC-002	Analog Electronic Circuits Lab	0	0	2	0	0	1
PJ	BTII-P-PJ-001	Summer Internship - I	0	0	0	0	0	1
		SUB-TOTAL	18	2	6	18	2	4
		TOTAL	26			24		

Semester IV								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
BS	BTBS-T-BS-025	Mathematics-IV for Electrical Sciences	3	0	0	3	0	0
PC	BTBS-T-HS-022	Fundamentals of Management	3	0	0	3	0	0
PC	BTEC-T-PC-010	Digital Electronic Circuits	3	0	0	3	0	0
PC	BTEE-T-PC-010	Electrical Machines	3	1	0	3	1	0
PC	BTEE-T-PC-008	Measurements & Instrumentation	3	0	0	3	0	0
OE		Open Elective - I	3	0	0	3	0	0
MC	BTBS-T-MC-020	Universal Human Values & Professional Ethics	2	0	0	0	0	0
PRACTICAL								
PC	BTEC-P-PC-011	Digital Electronic Circuits Lab	0	0	2	0	0	1
PC	BTEE-P-PC-011	Electrical Machines Lab	0	0	2	0	0	1
PC	BTEE-P-PC-007	Measurements & Instrumentation Lab	0	0	2	0	0	1
HS	BTBS-P-HS-012	Corporate Communication Lab	0	0	2	0	0	1
		SUB-TOTAL	20	1	8	18	1	4
		TOTAL	29			23		

Semester V								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
HS	BTBS-T-HS-018	Engineering Economics	3	0	0	3	0	0
PC	BTEE-T-PC-999	Power Electronics	3	0	0	3	0	0
PC	BTEE-T-PC-005	Control Systems Engineering	3	0	0	3	0	0
PC	BTEE-T-PC-013	Electrical Power Transmission & Distribution	3	0	0	3	0	0
PC	BTEC-T-PC-035	Introduction to Digital Signal Processing	3	0	0	3	0	0
PE		Professional Elective - I	3	0	0	3	0	0
OE		Open Elective - II	3	0	0	3	0	0
PRACTICAL								
HS	BTBS-P-HS-021	Soft Skills & Inter-Personal Skills Lab	0	0	4	0	0	2
PC	BTEE-P-PC-999	Power Electronics Lab	0	0	2	0	0	1
PC	BTEE-P-PC-006	Control Systems Engineering Lab	0	0	2	0	0	1
PJ	BTII-P-PJ-002	Summer Internship - II	0	0	0	0	0	1
		SUB-TOTAL	21	0	8	21	0	5
		TOTAL	29			26		

Semester VI								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
BS	BTBS-T-BS-014	Biology for Engineers	3	0	0	3	0	0
PC	BTEC-T-PC-037	Fundamentals of Microprocessors & Microcontrollers	3	0	0	3	0	0
PC	BTEE-T-PC-021	Power Systems Operation & Control	3	0	0	3	0	0
PE		Professional Elective - II	3	0	0	3	0	0
PE		Professional Elective - III	3	0	0	3	0	0
OE		Open Elective - III	3	0	0	3	0	0
PRACTICAL								
PC	BTEC-P-PC-038	Fundamentals of Microprocessors & Microcontrollers Lab	0	0	2	0	0	1
PC	BTEE-P-PC-020	Power Systems Lab	0	0	2	0	0	1
PJ	BTEE-P-PJ-019	Skill Lab & Project - I	0	0	4	0	0	2
MC	BTBS-P-MC-018	Yoga / NSS / NCC	0	0	2	0	0	0
		SUB-TOTAL	18	0	10	18	0	4
		TOTAL	28			22		

Note: Courses offered under each elective are given in "List of Electives" on Page 119.

Curriculum Structure (Regular)

Semester VII								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
PE		Professional Elective - IV	3	0	0	3	0	0
OE		Open Elective - IV	3	0	0	3	0	0
OO		MOOC - I	0	0	0	3	0	0
PRACTICAL								
PE	BTEE-P-PE-023 / BTBS-P-PE-024	Emerging Technologies Lab / Entrepreneurship Project	0	0	4	0	0	2
PJ	BTII-P-PJ-003	Summer Internship - III	0	0	0	0	0	1
		SUB-TOTAL	6	0	4	9	0	3
		TOTAL	10			12		

Semester VIII								
Type	Code	Course Title	WCH L-T-P			Credits L-T-P		
THEORY								
PE		Professional Elective - V	3	0	0	3	0	0
PE		Professional Elective - VI	3	0	0	3	0	0
OO		MOOC - II	0	0	0	3	0	0
PRACTICAL								
PJ	BTEE-P-PJ-025	Presentation Skills & Technical Seminar	0	0	4	0	0	2
PJ	BTEE-P-PJ-028	Project - II	0	0	16	0	0	8
VV	BTEE-P-VV-024	Comprehensive Viva	0	0	0	0	0	1
		SUB-TOTAL	6	0	20	9	0	11
		TOTAL	26			20		

		GRAND TOTAL (8 SEMESTERS)	198			162		
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Note:

1. Approved list of courses for MOOC-I & II (self study) shall be published by the department.
2. Courses offered under each elective are given in "List of Electives" on Page 218.