



RCC Institute of Information Technology, Kolkata
(Autonomous from Academic Session: 2024 – 2025)

Syllabus: B. Tech. in Electrical Engineering

First Semester							
Compulsory Induction Programme (3 Weeks)							
Sl. No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
1	Basic Science	RCC-BSC-PH-101/ RCC-BSC-PH-191	Physics	3	1	2	5
2	Basic Science	RCC-BSC-M-101	Mathematics - I	3	1	0	4
3	Engineering Science	RCC-ESC-ME-192	Workshop/ Manufacturing Practices	0	0	4	2
4	Engineering Science	RCC-ESC-EE-101/ RCC-ESC-EE-191	Basic Electrical Engineering	3	1	2	5
5	Humanities and Social Sciences	RCC-HSMC-101	UHV - II: Understanding Harmony	2	0	0	2
6	Audit / Mandatory	RCC-AU-182	NSS & Yoga	2	0	0	0
7	Audit / Mandatory	RCC-AU-183	Mental Wellness	0	0	3	0
Total							18
Second Semester							
Sl. No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
1	Basic Science	RCC-BSC-CH-201/ RCC-BSC-CH-291	Chemistry	3	1	2	5
2	Basic Science	RCC-BSC-M-201	Mathematics - II	3	1	0	4
3	Engineering Science	RCC-ESC-ME-291	Engineering Graphics and Design	0	0	4	2
4	Engineering Science	RCC-ESC-EC-201/ RCC-ESC-EC-291	Basic Electronics Engineering	2	0	2	3
5	Engineering Science	RCC-ESC-CS-201/ RCC-ESC-CS-291	Programming for Problem Solving	2	0	4	4
6	Humanities and Social Sciences	RCC-HSMC-291	English and Technical Communication	0	0	4	2
7	Audit / Mandatory	RCC-AU-281	Idea and Entrepreneurship	2	0	0	0
Total							20