



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering



Bachelor of Technology Degree
Program Regulations and Curriculum 2018-2022
B. Tech.
(COMPUTER AND COMMUNICATION ENGINEERING)
2018-2022

Regulations No.: PU/AC-08/55/06_2018

June 2018

**BACHELOR OF TECHNOLOGY DEGREE PROGRAM IN
COMPUTER AND COMMUNICATION ENGINEERING
B.Tech (Computer and Communication Engineering) 2018-2022
PROGRAM CURRICULUM**

1.1 PROGRAM CURRICULUM

1.1.1 Mandatory Courses and Credits

The B.Tech (**Computer and Communication Engineering**) Program structure (2018-2022) consists of 60 Courses totaling 180 credits.

TABLE 1.1.1 B.Tech (Computer and Communication Engineering) 2018-2022: Mandatory Courses and Credits			
S. No	TYPE OF COURSES	NO. OF COURSES	CREDITS
1	Humanities, Social Sciences and Management Sciences(HS)	4	11
2	Basic Sciences (BS)	9	29
3	Engineering Sciences (ES)	7	21
4	Core (Professional) Course (CC)	27	76
5	Discipline(Professional) Elective (DE)	4	12
6	Open Elective (OE)	2	6
7	Professional Practice (PP)	2	20
8	Personal and Professional Skills (PPS)	4	4
9	University Learning Courses (ULC)	1	1
TOTAL		60	180
The mandatory minimum credits required for the award of the B.Tech (Computer and Communication Engineering) Degree is 180 Credits.			

1.1.2 B.Tech (Computer and Communication Engineering) Program Year Wise Structure

First Year		Second Year		Third Year		Fourth Year	
Sem. 1	Sem. 2	Sem. 3	Sem. 4	Sem. 5	Sem. 6	Sem. 7	Sem. 8
BS-3	BS-4	BS-1	BS-1	CC-6	CC-5	CC-4	DE-1
ES-4	ES-3	CC-6	CC-6	HS-1	HS-1	DE-1	OE-1
HS-1	HS-1	PPS-1	PPS-1	DE-1	DE-1	OE-1	PP-II-1
PPS-1	PPS-1	ULC-1					
Summer Term		Summer Term/PP -I-1		Summer Term		Mandatory Minimum Credits required for the award of the B.Tech (Computer and Communication Engineering) Degree: 180	
						DE-1	CC-4
						OE-1	DE-1
						PP-II-1	OE-1

Nomenclature:

BS - Basic Sciences

ES - Engineering Sciences

HS – Humanities, Social Sciences and Management Sciences

CC - Core Course

DE - Discipline/Professional Electives

OE - Open Electives

PP-I/PP-II - Professional Practice

PPS-Personal and Professional Skills

ULC - University Learning Course

In the entire Program, the practical and skill based Course component contribute to an extent of approximately 30% out of the total credits of 180 for B.Tech (Computer and Communication Engineering) Program of four years duration.

I SEM - PHYSICS CYCLE (Aug-Dec)*						
S. NO.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			
			L	T	P	CREDITS
1	MAT 101	Engineering Mathematics – I	3	1	0	4
2	PHY 101	Engineering Physics	4	0	0	4
3	EEE 101	Elements of Electrical Engineering	3	0	0	3
4	CIV 101	Elements of Civil Engineering	3	0	0	3
5	MEC 152	Engineering Graphics	2	0	4	4
6	ENG 103	Technical Written Communication	2	1	0	3
7	PHY 151	Engineering Physics Lab	0	0	2	1
8	MEC 151	Workshop Practice	0	0	2	1
9	PPS 105	Building Self Confidence	0	0	2	1
		TOTAL	17	2	10	24

I SEM - CHEMISTRY CYCLE (Aug-Dec)#						
S. NO.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			
			L	T	P	CREDITS
1	MAT 101	Engineering Mathematics – I	3	1	0	4
2	CHE 101	Engineering Chemistry	4	0	0	4
3	ECE 101	Elements of Electronics Engineering	3	0	0	3
4	MEC 101	Elements of Mechanical Engineering	3	0	0	3
5	CIV 102	Environmental Science and Disaster Management	3	0	0	3
6	ENG 104	Technical Spoken Communication	2	1	0	3
7	CSE 151	Computer Programming	2	0	4	4
8	CHE 151	Engineering Chemistry Lab	0	0	2	1
9	PPS 105	Building Self Confidence	0	0	2	1
		TOTAL	19	1	10	25

II SEM - CHEMISTRY CYCLE (Jan-May)*						
S. NO.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			
			L	T	P	CREDITS
1	MAT 102	Engineering Mathematics – II	3	1	0	4
2	CHE 101	Engineering Chemistry	4	0	0	4
3	ECE 101	Elements of Electronics Engineering	3	0	0	3
4	MEC 101	Elements of Mechanical Engineering	3	0	0	3
5	CIV 102	Environmental Science and Disaster Management	3	0	0	3
6	ENG 104	Technical Spoken Communication	1	0	2	2
7	CSE 151	Computer Programming	2	0	4	4
8	CHE 151	Engineering Chemistry Lab	0	0	2	1
9	PPS 106	Effective Communication	0	0	2	1
		TOTAL	19	1	10	25

II SEM - PHYSICS CYCLE (Jan-May)#						
S. NO.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			
			L	T	P	CREDITS
1	MAT 102	Engineering Mathematics – II	3	1	0	4
2	PHY 101	Engineering Physics	4	0	0	4
3	EEE 101	Elements of Electrical Engineering	3	0	0	3
4	CIV 101	Elements of Civil Engineering	3	0	0	3
5	MEC 152	Engineering Graphics	2	0	4	4
6	ENG 103	Technical Written Communication	2	1	0	3
7	PHY 151	Engineering Physics Lab	0	0	2	1
8	MEC 151	Workshop Practice	0	0	2	1
9	PPS 106	Effective Communication	0	0	2	1
		TOTAL	17	2	10	24

Note: At the end of the 1st year (Common to all B.Tech. Program) the total credits offered is 49.

The 1st year B.Tech. Program structure is executed in two cycles.

* The students undergoing the “Physics” cycle shall take the courses as indicated.

The students undergoing the “Chemistry” cycle shall take the courses as indicated.