

CSE

Semester 1		Semester 2	
Calculus		Linear Algebra and Ordinary Differential Equations	
Chemistry I		Modern Physics	
Introduction to computer programming		Data Analysis and Interpretation	
Economics		Abstractions and Paradigms in Programming	
Chemistry Lab		Physics Lab	
Workshop Practice		Abstractions and Paradigms in Programming	
		Engineering Graphics and Drawing	
Semester 3		Semester 4	
Numerical Analysis		Environmental Studies	
Introduction to Electrical and Electronic Circuits		Automata Theory and Logic	
Discrete Structures		Design and Analysis of Algorithms	
Data Structures and Algorithms		Logic Design	
Experimentation and Measurement Lab		Software Systems Lab	
Data Structures and Algorithms Lab		Logic Design Lab	
Semester 5		Semester 6	
Literature/Philosophy/Psychology/Sociology		Artificial Intelligence	
Computer Architecture		Implementation of Programming Languages	
Operating Systems		Computer Networks	
Database and Information Systems		Artificial Intelligence Lab	
Database and Information Systems Lab		Implementation of Programming Languages Lab	
Computer Architecture Lab		Computer Networks Lab	
Operating Systems Lab			
Semester 7		Semester 8	
Elective 1		Elective 4	
Elective 2		Elective 5	
Elective 3		Elective 6	
Institute Elective 1		Institute Elective 2	

MACHINICAL

Semester 1	Semester 2
Chemistry	Modern Biology
Electrical Sciences	Introduction to Computing
Mathematics - I	Mathematics - II
Physics - I	Engineering Mechanics
Chemistry Laboratory	Physics - II
Workshop /Physics Laboratory	Computing Laboratory
Engineering Drawing	Basic Electronics Laboratory
Physical Training - I	Physics Laboratory/Workshop
[NCC/NSO/NSS]	Physical Training - II
	[NCC/NSO/NSS]
Semester 3	Semester 4
Mathematics-III	Fluid Mechanics - I
Thermodynamics	Manufacturing Technology - I
Solid Mechanics - I	Solid Mechanics - II
Engineering Materials	Kinematics of Machinery
HSS Elective - I	HSS Elective - II
Machine Drawing	Workshop - II
Physical Training - III	Mechanical Lab - I
NCC/NSO/NSS	Physical Training - IV
	NCC/NSO/NSS

Semester 5	Semester 6
Fluid Mechanics - II	Applied Thermodynamics - I
Manufacturing Technology - II	Machine Design
Dynamics of Machinery	Mechanical Measurements
Design of Machine Elements	Heat and Mass Transfer
Electrical Machines	Control Systems
HSS Elective - III	Mechanical Lab - III
Mechanical Lab - II	
Semester 7	Semester 8
Summer Training (PP/NP)	Industrial Engineering and Operation Research
Applied Thermodynamics - II	Dept Elective - III
Dept Elective - I	Dept Elective - IV
Dept Elective - II	HSS Elective - IV
Open Elective - I	Project- II
Mechanical Lab IV	
Project- I	

Electronics & Communication Engineering

Semester I	Semester II
Engineering Mathematics – I	Elements of Mechanical Engineering
Engineering Mathematics – II	Basic Electronics & Communication Engineering
Engineering Physics	Basic Electronics
Engineering Chemistry	Constitution of India and Professional Ethics
Programming in C and Data structures	Environmental Studies
Computer Programming Laboratory	Engineering Physics Lab
Elements of Civil Engineering & Engineering Mechanics	Engineering Chemistry Lab
Computer Aided Engineering Drawing	Workshop Practice
Semester III	Semester IV
Engg. Mathematics – III	Engg. Mathematics – IV
Analog Electronic Ckts	Microcontrollers
Logic Design	Control Systems
Network Analysis	Signals & Systems
Electronic Instrumentation	Fundamentals of HDL
Field Theory	Linear ICs & Applications
Analog Electronics Lab	Microcontrollers Lab
Logic Design Lab	HDL Lab
Semester V	Semester VI
Management and Entrepreneurship	Digital Communication
Digital Signal Processing	Microprocessors
Analog Communication	Microelectronics Circuits
Information Theory & Coding	Antennas and Propagation
Fundamentals of CMOS	Operating Systems
VLSI	Advanced Communication Lab
DSP Lab EC	Microprocessor Lab
Analog Communication	-
Lab + LIC Lab	-
Semester VII	Semester VIII
Computer Communication Networks	Wireless Communication
Optical Fiber Communication	Digital Switching Systems
Power Electronics	Project Work EC
Embedded System Design	Seminar EC
VLSI Lab	-
Power Electronics Lab	-