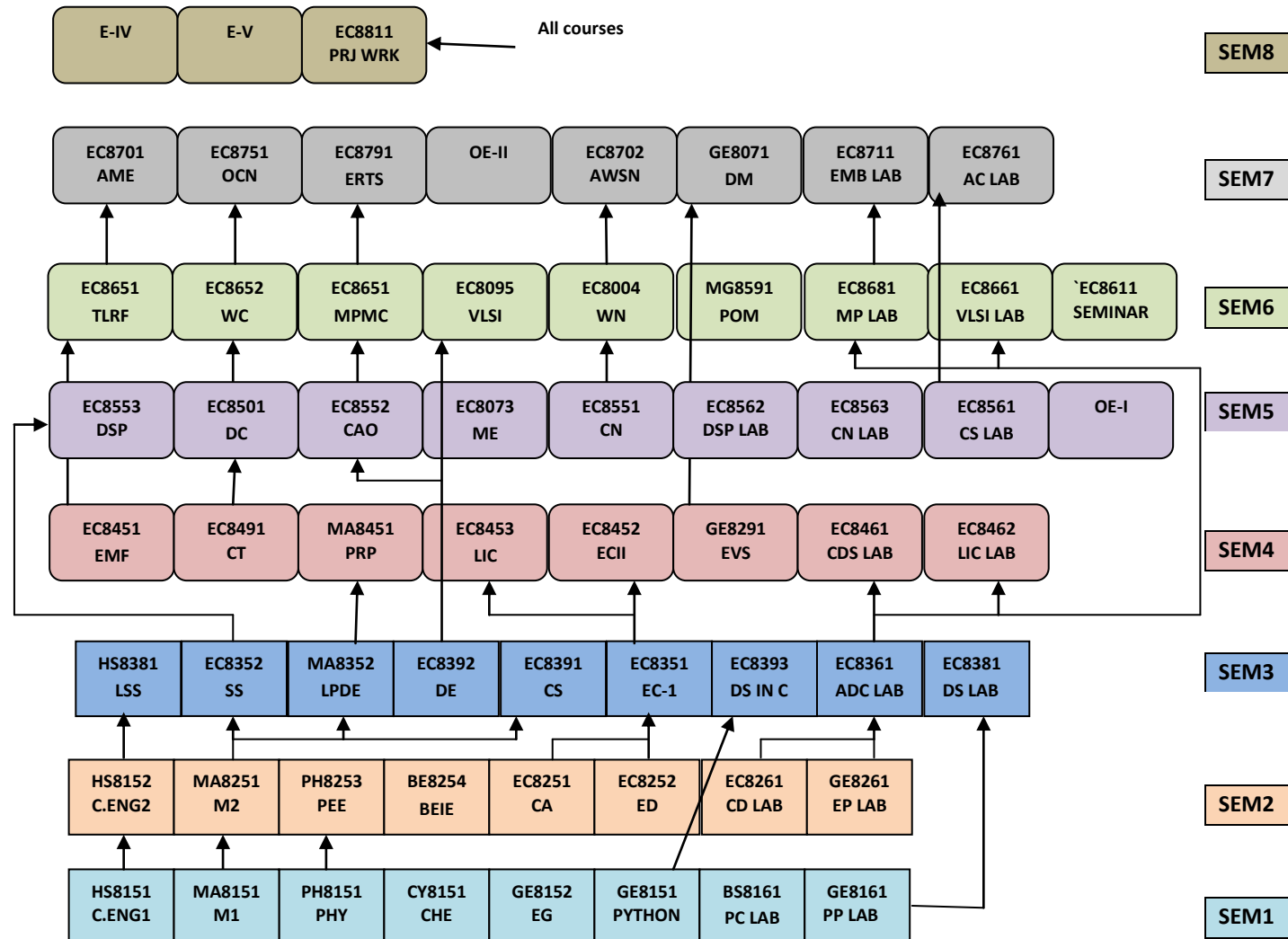


PRE-REQUISITE Chart- Syllabus Reference 2017



SEMESTER I

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	HS8151	Communicative English
2.	MA8151	Engineering Mathematics - I
3.	PH8151	Engineering Physics
4.	CY8151	Engineering Chemistry
5.	GE8151	Problem Solving and Python Programming
6.	GE8152	Engineering Graphics
PRACTICALS		
7.	GE8161	Problem Solving and Python Programming Laboratory
8.	BS8161	Physics and Chemistry Laboratory

SEMESTER III

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	MA8352	Linear Algebra and Partial Differential Equations
2.	EC8393	Fundamentals of Data Structures In C
3.	EC8351	Electronic Circuits- I
4.	EC8352	Signals and Systems
5.	EC8392	Digital Electronics
6.	EC8391	Control Systems Engineering
PRACTICALS		
7.	EC8381	Fundamentals of Data Structures in C Laboratory
8.	EC8361	Analog and Digital Circuits Laboratory
9.	HS8381	Interpersonal Skills/Listening & Speaking

SEMESTER II

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	HS8251	Technical English
2.	MA8251	Engineering Mathematics - II
3.	PH8253	Physics for Electronics Engineering
4.	BE8254	Basic Electrical and Instrumentation Engineering
5.	EC8251	Circuit Analysis
6.	EC8252	Electronic Devices
PRACTICALS		
7.	EC8261	Circuits and Devices Laboratory
8.	GE8261	Engineering Practices Laboratory

SEMESTER IV

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	MA8451	Probability and Random Processes
2.	EC8452	Electronic Circuits II
3.	EC8491	Communication Theory
4.	EC8451	Electromagnetic Fields
5.	EC8453	Linear Integrated Circuits
6.	GE8291	Environmental Science and Engineering
PRACTICALS		
7.	EC8461	Circuits Design and Simulation Laboratory
8.	EC8462	Linear Integrated Circuits Laboratory

SEMESTER V

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	EC8501	Digital Communication
2.	EC8553	Discrete-Time Signal Processing
3.	EC8552	Computer Architecture and Organization
4.	EC8551	Communication Networks
5.		Professional Elective I
6.		Open Elective I
PRACTICALS		
7.	EC8562	Digital Signal Processing Laboratory
8.	EC8561	Communication Systems Laboratory
9.	EC8563	Communication Networks Laboratory

SEMESTER VII

Sl.No	COURSE CODE	COURSE TITLE
THEORY		
1.	EC8701	Antennas and Microwave Engineering
2.	EC8751	Optical Communication
3.	EC8791	Embedded and Real Time Systems
4.	EC8702	Ad hoc and Wireless Sensor Networks
5.		Professional Elective -III
6.		Open Elective - II
PRACTICALS		
7.	EC8711	Embedded Laboratory
8.	EC8761	Advanced Communication Laboratory

SEMESTER VI

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.	EC8691	Microprocessors and Microcontrollers
2.	EC8095	VLSI Design
3.	EC8652	Wireless Communication
4.	MG8591	Principles of Management
5.	EC8651	Transmission Lines and RF Systems
6.		Professional Elective -II
PRACTICALS		
7.	EC8681	Microprocessors and Microcontrollers Laboratory
8.	EC8661	VLSI Design Laboratory
9.	EC8611	Technical Seminar

SEMESTER VIII

Sl. No	COURSE CODE	COURSE TITLE
THEORY		
1.		Professional Elective IV
2.		Professional Elective V
PRACTICALS		
3.	EC8811	Project Work