

Baddi University of Emerging Sciences & Technology
B.Tech (Electronics & Communication Engineering)Scheme 3rd
to 8th Semester

Third Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-200	Analog Electronics Circuits	3	1	2	4.5
2	UEC-201	Digital Electronics	3	1	2	4.5
3	UEC-202	Circuit Theory	3	1	-	3.5
4	UEC-203	Communication Theory	3	1	-	3.5
5	UMG-200	Principles of Engineering Economics & Management	3	1	-	3.5
6	UMA-201	Engineering Mathematics III	3	1	2	4.5
7	UEC-210	MAT Lab	-	-	2	1
8	UPD-200	PDP/Seminar	-	-	2	1
TOTAL			18	6	10	26

Total Hours: 34

Fourth Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-250	Electronic Logic Circuit Design	3	1	2	4.5
2	UEC-251	Microelectronics	3	1	-	3.5
3	UEC-252	Communication Systems-I	3	1	2	4.5
4	UEC-253	Linear Integrated Circuits & Applications	3	1	2	4.5
5	UEC-254	Computer Architecture	3	1	-	3.5
6	UCS-252	Operating System	3	1	2	4.5
7	UPD-250	PDP/Seminar	-	-	2	1
8	UGP-250	General Proficiency	-	-	-	2
TOTAL			18	6	10	28

Total Hours: 34

Fifth Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-300	Microprocessor Theory & Applications	3	1	2	4.5
2	UEC-301	Electromagnetic Field Theory	3	1	-	3.5
3	UEC-302	Communication Systems-II	3	1	2	4.5
4	UEC-303	Industrial Electronics	3	1	2	4.5
5	UEC-304	Electronic Measurement & Measuring Instruments	3	-	2	4
6	UEC-310	Virtual Instrumentation Lab	-	-	2	1
7	UEC-315	Industrial training	-	-	-	2
8	UPD-300	PDP/Seminar	-	-	2	1
TOTAL			15	4	12	25

Total Hours: 31

Sixth Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-350	Antenna & Wave Propagation	3	1	-	3.5
2	UEC-351	Linear Control Systems	3	1	2	4.5
3	UEC-352	Cellular and Mobile Communication	3	-	-	3
4	UEC-353	Microwave Engineering	3	1	2	4.5
5	UEC-354	Multimedia System	3	-	2	4
6	UEC-355	Advanced Microprocessors	3	1	2	4.5
7	UGP-350	General Proficiency	-	-	-	2
8	UPD-350	PDP/Seminar	-	-	2	1
TOTAL			18	6	10	27

Total Hours: 32

Seventh Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-400	Radar & Navigation	3	1	-	3.5
2	UEC-401	Embedded System Design	3	1	2	4.5
3	UEC-402	Optical Fiber Communication	3	1	2	4.5
4	UEC-403	Biomedical Electronics	3	1	-	3.5
5	UEC-404	Digital System Design	3	1	2	4.5
6	UEC-415	Industrial Training	-	-	-	2
7	UEC-416	Minor Project	-	-	4	2.5
8	UPD-400	PDP/Seminar	-	-	2	1
TOTAL			15	5	12	26

Total Hours: 32

Eight Semester

Sr.	Course No.	Course name	L	T	P	Cr.
1	UEC-450	Digital Signal Processing	3	1	2	4.5
2	UEC-451	Computer Networks & Data Communication	3	1	2	4.5
3	UMG-450	Entrepreneurship Development & Enterprise Management	3	-	-	3
4	Departmental Elective		3	1	-	3.5
5	UEC-417	Major Project /OJT	-	-	9	4.5
6	UGP-450	General Proficiency	-	-	-	2
7	UPD-450	PDP/Seminar	-	-	2	1
TOTAL			12	3	15	23

Departmental Elective

1	UEC-452	Neural Networks & Fuzzy Logic
2	UEC-453	Television Engineering
3	UEC-454	Nanotechnology
4	UEC-455	Artificial Intelligence

***Extra & Co-Curricular activities: 6 (credits) in 4th, 6th & 8th Semester (2 each)**

Total Hours: 30

TOTAL CREDITS: 212