

**ADDITIONAL COURSES TO BE STUDIED BY THE B.SC. GRADUATES ADMITTED TO  
III SEMESTER B.E. / B.TECH. (R 2021) UNDER LATERAL ENTRY SCHEME.**

**THE FOLLOWING TWO ADDITIONAL COURSES ARE PRESCRIBED FOR THE B.Sc.  
GRADUATES**

**I. UG Programmes offered under Faculty of Civil Engineering**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>GE3251</b>	Engineering Graphics	ESC	2	0	4	6	4
2.	<b>BE3252</b>	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**II. UG Programmes offered under Faculty of Mechanical Engineering**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>BE3251</b>	Basic Electrical and Electronics Engineering	ESC	3	0	0	3	3
2.	<b>GE3251</b>	Engineering Graphics	ESC	2	0	4	6	4

**III. UG Programmes offered under Faculty of Electrical Engineering**

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>MA3151</b>	Matrices and Calculus	ESC	3	1	0	4	4
2.	<b>EE3251</b>	Electric Circuit Analysis	ESC	3	1	0	4	4

**IV. UG Programmes offered under Faculty of Information and Communication Engineering**

**B.E. Computer Science and Engineering, B. Tech. Information Technology, B.E. Computer and Communication Engineering, B.E. Computer Science and Engineering (specialization in Cyber Security) & B.E. Computer Science and Engineering (specialization in Artificial Intelligence and Machine Learning).**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>MA3251</b>	Statistics and Numerical Methods	BSC	3	1	0	4	4
2.	<b>CS3251</b>	Programming in C	PCC	3	0	0	3	3

**B.Tech. Artificial Intelligence and Data Science & B.Tech. Computer Science and Business Systems**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>MA3251</b>	Statistics and Numerical Methods	BSC	3	1	0	4	4
2.	<b>AD3251</b>	Data Structures Design	PCC	3	0	0	3	3

**B.E. Computer Science and Design**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	<b>MA3251</b>	Statistics and Numerical Methods	BSC	3	1	0	4	4
2.	<b>CD3291</b>	Data Structures and algorithms	PCC	3	0	0	3	3

**V. UG Programmes offered under Faculty of Electronics and Communication Engineering**

**B. E. Electronics and Communication Engineering & B.E. Electronics and Telecommunication Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	MA3251	Statistics and Numerical Methods	BSC	3	1	0	4	4
2.	EC3251	Circuit Analysis	PCC	3	1	0	4	4

**B. E. Biomedical Engineering & B.E. Medical Electronics**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	BM3251	Biosciences for Medical Engineering	PCC	3	0	0	3	3
2.	BM3252	Medical Physics	PCC	3	0	0	3	3

**VI. UG Programmes offered under Faculty of Technology**

**B.Tech. Chemical Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B.Tech. Chemical and Electrochemical Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B.Tech. Petroleum Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B.E. Petrochemical Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Biotechnology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BT3201	Bioorganic Chemistry	PCC	3	0	0	3	3

**B.Tech. Pharmaceutical Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B.Tech. Food Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Plastics Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Textile Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Fashion Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Textile Chemistry**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B. Tech. Handloom and Textile Technology**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3

**B.Tech. Biotechnology and Biochemical Engineering**

S. NO.	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.	GE3251	Engineering Graphics	ESC	2	0	4	6	4
2.	BE3252	Basic Electrical, Electronics and Instrumentation Engineering	ESC	3	0	0	3	3