

Second Semester					
Group	Paper Code	Paper	L	P	Credits
Theory Papers					
ES		School Specific Engineering Science Paper**			3
HS	HS102	Communication Skills – II	3	-	3
BS	BS104% Or BS116	Engineering Chemistry – II Basic Engineering Chemistry – II	3	-	3
BS	BS106	Engineering Mathematics - II	4	-	4
BS	BS108	Engineering Physics-II	3	-	3
BS	BS110	Probability and Statistics for Engineers *** (Only for regular batch 2021, and 2022)	3	2	4
BS	BS110T	Probability and Statistics for Engineers (Regular batch 2023 onwards)	3	-	3
HS/MC	ICT114*	Human Values and Ethics	1	-	1
BS/MC	EMES112	Environmental Studies	4	-	4
Practical/Viva Voce					
ES	ICT152	Engineering Graphics-II Lab.	-	2	1
BS	BS156	Engineering Chemistry – II Lab	-	2	1
BS	BS158	Engineering Physics –II Lab	-	2	1
BS	BS110P	Probability and Statistics for Engineers (Regular batch 2023 onwards) Lab.	-	2	1
One paper from the following#:					
ES	ICT154	Workshop Technology		2	1
ES	ICT160	Programming in Python		2	
ES	ICT162	Modern Workshop Practice (Introduced from AS 2023-24)		2	
Total			24	10	29

*NUES: Comprehensive evaluation by the teacher out of 100, no term end examination shall be held.

%The students who have not studied Chemistry at 10+2 level shall be offered BS-116 in lieu of BS-104, as applicable in applicable disciplines. (Addition from the Academic Session 2022-23)

Either Workshop practice or Programming in Python paper shall be offered to the students by the school. If Workshop Technology paper is offered it shall be considered as a Theory paper otherwise Workshop practice shall be considered as practical paper

** School Specific Engineering Science Paper in this semester shall be one of the papers from the list below or any paper (approved by the Board of Studies of the School) decided by the Academic Programme Committee of the School to be offered in the first year/second semester.

Second Semester Open Elective from the School					
Group	Paper Code	Paper	L	P	Credits
Open Elective Papers					
ES	ICT116	Introduction to Manufacturing Process	3	-	3
ES	BS118	Industrial Chemistry	3	-	3
ES	BT120	Introduction to Biotechnology	3	-	3

*** The Teachers' Continuous Evaluation Component shall be 25, Term end theory examinations of 50 marks and term end practical marks shall be of 25 marks maximum. The marks obtained in each component by the student shall be reflected in the marksheet **as internal marks out of 25 and external marks out of 75 (50 theory and 25 practicals)** (amended in 2022 for batch of 2021). This paper shall be offered to students of regular batch of AS 2021-22 and 2022-23 (and corresponding lateral entry batch) (Line added in 2023).