

## SUGGESTED STUDY PLAN

### FALL 2022-2023

### NEW BYLAW

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
3 New Bylaw	EB 103	Engineering Mathematics (3)	3	EB 102-Engineering Mathematics (2)	2	2	1	3
	EC 132	Structured Programming	4	UEC02 E –Engineering Computer Skills and Programming Concepts (2)	3	1	2	4
	EE 291	Electric Circuits	4	EB 102-Engineering Mathematics (2) EB 122-Engineering Physics (2)	3	2	1	4
	EC 171	Discrete Mathematics	4	EB 102-Engineering Mathematics (2)	3	2	0	4
	EC 121	Introduction to Digital Logic Design	4	UEC 01E-Engineering Computer skills and Programming Concepts (1)	3	1	2	4
Semester Credit Hours : 19								
5 New Bylaw	EC 234	Object Oriented Programming	4	EC 132-Structure Programming	3	1	2	4
	EB 123	Modern Physics	3	EB 122-Engineering Physics (2)	2	2	1	3
	EC 241	Systems Programming	3	EC 132-Structure Programming	2	2	1	3
	EB 207	Numerical Analysis using MATLAB	4	EB 102-Engineering Mathematics (2)	3	1	2	4
	EB 208	Applied Probability and Statistics	3	EB 204- Engineering Mathematics (4)	3	1	0	3
	UGE 01	English (1)	2	-----	1	0	2	2
	UGE 03	English (3)		UGE02_English (2)	1	0	2	
	UGE 05	English (5)		UGE04_English (4)	1	0	2	
Semester Credit Hours : 19								
7 New Bylaw	EE 241	Signals and systems	3	EB 204-Engineering Mathematics (4)	2	2	1	3
	EC 281	Microprocessors and assembly language	4	EC 222-Advanced Digital Logic Design	3	1	2	4
	EC 342	Operating Systems	3	EC 241- System Programming EC 271-Computer Organization	2	2	1	3

	EC 372	Computational Models	2	EC 235-Advanced Algorithms	2	1	0	2
	UGE 01	English (1)	2	-----	1	0	2	2
	UGE 03	English (3)		UGE02_English (2)	1	0	2	
	UGE 05	English (5)		UGE04_English (4)	1	0	2	
	EC 351	Database Management System	3	EC 235-Advanced Algorithms EC 234-Object Oriented Programming	2	1	2	3
Semester Credit Hours : 17								
9 New Bylaw	EE 290	Control System (1)	3	EB 204-Engineering Mathematics (4) EE 291-Electric Circuits	2	2	1	3
	EC 363	Computer Networks	4	EC 361-Data and Computer Communication	3	2	1	4
	EC 400-1	Graduating Project (1)	0	Department Approval at 9 <sup>th</sup> Semester	3	0	6	0
	EC 313	<b>Elective Course</b> EC 313 – Computer Architecture	3	EC 271-Computer Organization	2	1	2	3
	EC 373	<b>Elective Course</b> Computer Systems graphics and Web Sites	3	EC 342-Operating System EC 361-Data and computer Communication	2	1	2	3
Semester Credit Hours : 13								
Courses offered to other Departments	EC 201	Computer Programming	3	UEC02E_Engineering Computer Skills & Programming Concepts 2	2	1	2	3
	UEC01E	Engineering Computer Skills & Programming Concepts 1	2	None	1	1	2	2