SUGGESTED STUDY PLAN

SPRING 2024-2025

Semester 4 : 2023

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EBS 311	Linear Algebra	3	EBS 201	2	2	1	5
2	EBS 205	Probability and Random Variables	3	EBS 102	2	2	0	4
3	CPE 104	Data Structures	3	CPE 103	3	2	2	7
4	CPE 106	Digital system Design	3	CPE 105	3	2	2	7
5	ELE 217	Electronics Circuits for computer Engineering	3	ELE 208	2	2	2	6
6	Uxxx	UR-Elective02	2	-	2	2	0	4
Semester Credit Hours			**17** Credit Hours					

Semester 4 : 2014

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EB 204	Engineering Mathematics (4)	3	EB103_Engineering Mathematics (3)	2	2	1	3
2	EE 232#	Electronics	3	EE291_Ciruits	2	2	1	3
3	EC233	Data Structures and Algorithms	4	EC132_Structure programming&EC171_Discrete mathematics	3	1	2	4
4	EC222	Advanced Digital Logic Design	4	EC121_Introductuin to Digital logic	3	1	2	4
5	EB104	Linear Algebra	3	EB102_Engineering Mathematics II	2	2	1	3
Semester Credit Hours			**17** Credit Hours					

Semester 6 : 2014

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EC 235	Advanced Algorithms	3	EC233_Data structure	2	2	1	3
2	EC 292	Concurrent Programming	3	EC234_Object oriented programming	2	2	1	3
3	EC 359	Programming Language & Translators	3	EC241_System programming & EC171_Discrete mathematics	2	2	1	3
4	EC 271	Computer Organization	3	EC222_Advanced digital logic	2	2	1	3
5	HU 162!!	Human Computer Interaction	2	--------	1	0	2	2
6	HU 113!!	Technical Reports Writing and Presentation Skills	2	--------	1	0	2	2
7	UGE 00	English (0)	2	------	2	1	0	0
8	UGE 02	English (2)		UGE01_English (1)	2	1	0	2
9	UGE 04	English (4)		UGE03_English (3)	2	1	0	
Semester Credit Hours			**18** Credit Hours					

Semester 8 : 2014

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EC 312	Embedded Systems	3	EC281_Microprocessor and assembly language	2	1	2	3
2	EC 352	Software Engineering	3	EC351_Database and management systems	2	2	1	3
3	EC 361	Data and Computer Communications	3	EB208_Applied probability and statistics&EE241_Signals and systems	2	2	1	3
4	EC 395	**Elective 1** Image Processing	3	EE241_Signals and Systems	2	1	2	3
5	EC 385	**Elective 2** E-Business	2	EC234_Object oriented programming	1	1	2	2
6	HU 141	Ethics and Human Rights	2	---------	2	0	0	2
7	UGE 00	English (0)	2	------	2	1	0	2
8	UGE 02	English (2)		UGE01_English (1)	2	1	0	

9	UGE 04	English (4)		UGE03_English (3)	2	1	0	
Semester Credit Hours				**18** Credit Hours				

Semester 10 : 2014

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EC 365	Computer Security	3	EC361_Data and computer communication& EC342_Operating systems	2	2	1	3
2	EE 290	Control Systems (1)	3	EB 204-Engineering Mathematics (4) EE 291-Electric Circuits	2	2	1	3
3	UCS 02	Communication Skills (2)	1	UCS01_Communication skills (1)	1	0	0	1
4	EC 381	**Elective** Computer Graphics & Visualization	3	EC234-Object Oriented Programming EC233-Data Structure and Algorithms EB204-Engineering Mathematics 4	2	1	2	3
5	EC 384	**Elective** Modeling & Simulation	2	EB208_Applied probability and statistics&EC233_	1	1	2	2

				Data structure and algorithm				
6	EC 400-2	Graduating Project (2)	10	Graduating Project (1)	3	0	6	5
Semester Credit Hours			22 Credit Hours (17 Credit Hours Billing)					

SUGGESTED STUDY PLAN

SPRING 2024-2025

NEW 2014
Graduation Requirements

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	EC 362	**Elective 1** Digital Signal Processing	3	EE241_Signal and systems	2	1	2	3
2	EC 383	Intelligent Systems	3	EC235_Advanced algorithms&EC234_ Object	2	1	2	3

				oriented programming				

SUGGESTED STUDY PLAN

SPRING 2024-2025

NEW BYLAW
Courses Offered to Other Departments

No.	Course Code	Course Title	Credit Hours	Prerequisite	Lec	Tut	Lab	Total
1	UEC01E	Computer Skills & Programming Concepts 1	2	-	2	1	1	2
2	UEC02E	Computer Skills & Programming Concepts 2	2	UEC01E – Computer Skills & Programming Concepts 1	2	1	1	2
3	CPE 012	Computer and Programming	2	--	1	1	2	2