

SEMESTER 1-2	FALL	CHES001 Chemistry for Engineers 19 CREDIT HOURS: 2, 3 28 CONTACT HOURS: 1, 2, 0	GENS001 Critical and Creative Thinking 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0	PHYS002 Electricity and Magnetism 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	PHYS001 Mechanical Properties of Matter and Thermodynamics 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	EMCS001 Engineering Mechanics - Statics 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	INTS005 Information Technology 19 CREDIT HOURS: 2, 4 28 CONTACT HOURS: 1, 0, 3	MTHS002 Calculus 1 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	GENS004 Proficiency and Capacity Building 19 CREDIT HOURS: 1, 1 28 CONTACT HOURS: 1, 0, 0
	SPRING	GENS002 Societal Issues 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0	CMPS102 Programming Techniques 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	MTHS004 Discrete Math. 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	EMCS002 Engineering Mechanics - Dynamics 19 CREDIT HOURS: 2, 3 28 CONTACT HOURS: 1, 2, 0	PHYS102 Modern Physics 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	INTS001 Engineering Graphics 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	MTHS003 Calculus 2 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	

SEMESTER 3-4	FALL	E-A (GENS110) Elective E-A (Fundamental of Management, Risk and Environment) 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0	CMPS103 Data Structures & Algorithms 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	MTHS102 Linear Algebra and Multivariable Integrals 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	CMPS202 Introduction to Database Management Systems 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	CMPS101 Logic Design 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	EECS102 Circuits 1 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	E-A (GENS005) Elective E-A (Writing and Presentation Skills) 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0
	SPRING	E-A (GENS120) Elective E-A (Fund. of Economics and Accounting) 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0	MTHS104 Differential Equations 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	EECS112 Circuits 2 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	CMPS303 Operating Systems 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 2	EPES125 Electrical Power Engineering 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	CMPS211 Advanced Programming Techniques 19 CREDIT HOURS: 2, 3 28 CONTACT HOURS: 1, 0, 2	EECS203 Signals Analysis 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3

SEMESTER 5-6	FALL	MTHS114 Numerical Analysis 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	CMPS302 Algorithms Design & Analysis 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 3	CMPS201 Microprocessor Systems 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	MTHS204 Advanced Probability and Statistics 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	EECS304 Control-1 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	EECS100 Lab 19 CREDIT HOURS: 2, 4 28 CONTACT HOURS: 1, 0, 3	CMPS425 Computer Consultation 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0
	SPRING	CMPS301 Computer Architecture 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 2	CMPS405 Computer Networks 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 2	CMPS203 Software Engineering 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	CMPSXXX Elective - 1 19 CREDIT HOURS: 2, 4 28 CONTACT HOURS: 2, 0, 2	CMPS445 Embedded Systems 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	GENS208 Marketing 19 CREDIT HOURS: 2, 2 28 CONTACT HOURS: 2, 0, 0	EECS101 Electronics-1: Basic Electronic Circuits 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0

SEMESTER 7-8	FALL	CMPSXXX Elective - 7 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 2	EECS306 Communications-1: Analogue Communications 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 2, 1	CMPS426 Security of Computer Systems and Networks 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 3	EECS201 Electronics-2: Analog and Digital Electronics 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	CCES481 Graduation Project - 1 19 CREDIT HOURS: 1, 2 28 CONTACT HOURS: 2, 0, 0	CMPSXXX Elective - 2 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 2, 0	CMPS402 Machine Intelligence 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3
	SPRING	EECSXXX E- Elective 6 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	CCES280 Seminar - 1 19 CREDIT HOURS: 1, 1 28 CONTACT HOURS: 1, 0, 0	CMPSXXX Elective - 3 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 3	CMPSXXX Elective - 4 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 3	CMPSXXX Elective - 5 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3	CMPS403 Language and Compilers 19 CREDIT HOURS: 3, 4 28 CONTACT HOURS: 2, 0, 2	CCES482 Graduation Project - 2 19 CREDIT HOURS: 3, 5 28 CONTACT HOURS: 2, 0, 3

CREDITS	152
CONTACTS	224
ELECTIVES	28

SWL is calculated according to TOR 2022

A Relaxed Plan for Below-Average Students can be applied on all Specialised Programs allowing students to graduate in 10 semesters

**COURSE MAP LEGEND**

UNIVERSITY REQ. (U)	FACULTY REQ. (FR)	DISCIPLINE REQ. (D)	PROGRAM REQ. (P)	ELECTIVE	BASIC SCIENCE (BS)
---------------------	-------------------	---------------------	------------------	----------	--------------------

COURSE CODE		COURSE NAME	
CR	CNTC	TSWL	TUT(1)
LEC	TUT(2)	TUT(A)/STU	DES-OFF
		DES-OFF	TUT(1)