

# COLLEGE OF ENGINEERING

## FRESHMAN SEMESTER 1

NO.	COURSE CODE	TITLE	CREDIT HRS.	REQUIREMENT	PREREQUISITES
	<b>COMM1301</b>	<b>Intro to Communication</b>			
	<b>MATH1321</b>	<b>Calculus I</b>			
	<b>CSIT1301</b>	<b>Computer Literacy</b>			
	<b>EENG1304</b>	<b>Fundamentals of Electrical Circuits</b>			
	<b>EENG1303</b>	<b>Fveracy</b>			
			<b>334 (3TH+1PRAF33 Td(3)6.6(3 (2TH+1PRA)2014.7C)01 Tw (F)14.(16CH01 Tc 8.242 11.8(15)14.4 GE-Quatals of itTJ)re9 (v)28u</b>		

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## FRESHMAN SEMESTER 2

## SOPHOMORE SEMESTER 3

NO.	COURSE CODE	TITLE	CREDIT HRS.	REQUIREMENT	PREREQUISITES
1	COMM2301	Academic Writing	3	GE-Communications	COMM1301
2	PHYS2302	Statics	3	Program course & GE- Natural Sciences	
3	GENG2211	Introduction to Health, Safety and Environment	2	Program course	CHEM1401
4	MATH2323	Calculus III- Multiple Integral and Fourier Series	3	Program course	MATH1322
5	EENG2203	Circuits Analysis	2	Program course	EENG1304
6	EENG2405	Electronic Circuits I	4 (3TH+1PRAC)	Program course	EENG1304
			17CH		

## SOPHOMORE SEMESTER 4

1			3	GE – Hum	
2	MGMT1314	MGMT1314	3	GE-Social Science	
3			3	GE – Hum or Arts	
4	MATH2304	MATH2304	3	Program course	MATH1322
5	EENG2304	EENG2304	3 (2TH+1PRAC)	Program course	MATH2323, EENG1304
6	PHYS2303	PHYS2303	3	Program course	PHYS2302
			18CH		

## JUNIOR SEMESTER 5

NO.	COURSE CODE	TITLE	CREDIT HRS.	REQUIREMENT	PREREQUISITES
1		ARTS	3	GE - Arts	
2	MATH3202	Linear Algebra for Engineers	2	Program course	
3	EENG3302	Electromagnetic Field Theory	3	Program course	MATH1322, PHYS2302
4	EENG3309	Instrumentation Measurement & Sensors	3	Program course	EENG2405
5	EENG3410	Analog & Digital Communications	4 (3TH+1PRAC)	Program course	EENG2304
6	EENG3306	Electronic Circuits II	3 (2TH+1PRAC)	Program course	EENG2405
			18 CH		

## JUNIOR SEMESTER 6

1	INDS3301	Interdisciplinary Seminar	3	GE - Seminar	
2	MATH3324	Advanced Engineering Mathematics	3	Program course	MATH2323
3	EENG3308	Microprocessors & Microcontrollers Interfacing	3 (2TH+1PRAC)	Program course	EENG1303, EENG1310
4	EENG3204	Control Theory	2	Program course	EENG2304
5	EENG3305	Integrated Electronics	3 (2TH+1PRAC)	Program course	EENG1310, EENG2405
6	EENG3288	Internship for Telecommunication/ Electronics Engineers	2	Program course	
			16CH		

## SENIOR SEMESTER 7

NO.	COURSE CODE	TITLE	CREDIT HRS.	REQUIREMENT	PREREQUISITES
1	EENG4301	Antenna & Wave-propagation	3	Program course	EENG3302
2	EENG4202	Data Communications and Networking	2	Program course	
3	EENG4303	Industrial Electronics	3(2TH+1PRAC)	Program course	EENG3309
4	EENG4390	Capstone Project I	3(1TH+2PRAC)	Program course	EENG3410, EENG3305
5	EENGxxxx	Elective I	3	Program course	
			14CH		

## SENIOR SEMESTER 8

1	EENG4304	Mobile Communications	3	Program course	EENG3410
2	EENG4305	Digital Signal Processing	3 (2TH+1PRAC)	Program course	EENG2304
3	EENG4206	Optoelectronics	2	Program course	EENG3309
4	EENG4391	Capstone Project II	3(0TH+3PRAC)	Program course	EENG4390
5	EENGxxxx	Elective II	3	Program course	
			14CH		

**TOTAL CH = 128**