

DIPLOMA PROGRAM
CIVIL TECHNOLOGIES
2023-2024

STUDY PLAN FOR DIPLOMA IN CIVIL TECHNOLOGY

Diploma in Civil Technology										
C - Credit Hours, L -Lecture contact hours, P - Practical contact hours										
Fall Semester					Spring Semester					
CODE	COURSE	C	L	P	CODE	COURSE	C	L	P	
Year 1										
CHEM107	Fundamentals of Chemistry	4	3	2	MATH211	Calculus I	4	3	2	
MATH116	Pre-Calculus	4	3	2	ARAB101	Arabic Language-II	3	3	0	
ENGL150	English Language I	3	3	0	ENGL152	English Language II	3	3	0	
ARAB100	Arabic Language I	3	3	0	PHYS101	General Physics-I	4	3	2	
ENGN103	Engineering Drawing	2	1	2	ENGN101	Introduction to Engineering	2	2	0	
		16	13	6			16	14	4	
CODE	COURSE	C	L	P	CODE	COURSE	C	L	P	
Year 2										
CIVL211	Statics	3	3	0	CIVL216	Dynamics	2	2	0	
CIVL214	Geomatic Engineering	3	2	2	CIVL212	Civil Engineering Materials	3	2	2	
MNGT100	Entrepreneurship creativity and innovation	3	2	2	CIVL213	Fluid Engineering Mechanics	3	2	2	
COMP101	Computer Skills	3	2	2	CIVL215	Civil Engineering Drawing	2	0	4	
MATH212	Calculus II	3	2	2	CIVL221	Solid Mechanics	3	3	0	
		15	12	6			13	9	8	
Year 3										
HIST150	Islamic Civilization	3	3	0	CIVL323	Structural Design I	3	3	0	
CIVL241	Environmental Engineering	3	3	0	CIVL441	Water and Wastewater Engineering	3	2	2	
CIVL321	Structural Analysis I	3	2	2	CIVL451	Highway Engineering I	3	3	0	
CIVL332	Geotechnical Engineering-I	4	3	2	CIVL462	Construction methods and Estimation	3	3	0	
CIVL342	Hydrology and Hydraulics	3	3	0						
		16	14	4			12	11	2	
					Total No. of Credits			88		

Diploma in Civil Technology

Minimum No. of Credits for the Degree Plan = 88					
University requirements = 21 Credits					
Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites/Co-requisites
			Theory	Practical	
ARAB100	ARABIC LANGUAGE-I	3	3	0	
ARAB101	ARABIC LANGUAGE-II	3	3	0	ARAB100
COMP101/L	COMPUTER SKILL	3	2	2	Comp-A, Comp-B (Digital Literacy)
ENGL150	ENGLISH LANGUAGE-I	3	3	0	
ENGL152	ENGLISH LANGUAGE-II	3	3	0	ENGL150
MNGT100/L	ENTREPRENEURSHIP CREATIVITY AND INNOVATION	3	2	2	MNGT100/L
HIST150	ISLAMIC CIVILIZATION	3	3	0	
College requirements = 12 Credits					
ENGN101	INTRODUCTION TO ENGINEERING	2	2	0	MATH116
ENGN103	ENGINEERING DRAWINGS	2	1	2	
MATH116	PRE-CALCULUS	4	3	2	
MATH211	CALCULUS-I	4	3	2	MATH116
Department Requirement: Core Course= 55 Credits					
CHEM107/L	FUNDAMENTAL OF CHEMISTRY	4	3	2	
CIVL211	STATICS	3	3	0	PHYS101
CIVL213/L	FLUIDENGINEERING MECHANICS	3	2	2	MATH211; CIVL211
MATH212	CALCULUS II	3	2	2	MATH211
PHYS101/L	GENERAL PHYSICS-I	4	3	2	MATH116
CIVL214	GEOMATIC ENGINEERING	3	2	2	ENGN101
CIVL216	DYNAMICS	2	2	0	CIVL211
CIVL221	SOLID MECHANICS	3	3	0	CIVL211
CIVL241	ENVIRONMENTAL ENGINEERING	3	3	0	CHEM107
CIVL321	STRUCTURAL ANALYSIS I	3	2	2	CIVL221,CIVL216 MATH211
CIVL441	WATER AND WASTEWATER ENGINEERING	3	2	2	CIVL241
CIVL212	CIVIL ENGINEERING MATERIALS	3	2	2	CHEM107,CIVL211
CIVL215	CIVIL ENGINEERING DRAWING	2	0	4	ENGN103
CIVL323	STRUCTURAL DESIGN I	3	0	0	CIVL321,CIVL212,CIVL215
CIVL332	GEOTECHNICAL ENGINEERING I	4	3	2	CIVL221
CIVL342	HYDROLOGY AND HYDRAULICS	3	3	0	CIVL213
CIVL451	HIGHWAY ENGINEERING I	3	3	0	CIVL214
CIVL462	CONSTRUCTION METHODS AND ESTIMATION	3	3	0	CIVL215,CIVL323