

CIVIL ENGINEERING DEPARTMENT

List of courses in the B.Sc. Civil Engineering Programme

100 LEVEL COURSES: FIRST SEMESTER

S/N	COURSE CODES	COURSE TITLES
		English Communication
		Calculus I
		Applied Chemistry
		Applied Chemistry Lab
		Introduction to Civil Engineering
		Engineering Graphics
		Introduction to ICT
		Introduction to Entrepreneurship
	SECOND SEMESTER	
	CIEN 114	Computer Graphics for Civil Engineers
		Civil Engineering Materials
		Calculus II
		Applied Physics I
		Applied Physics I Lab
		Fundamentals of Materials Science
		Technical Report Writing
		Introduction to Innovation Projects
	TOTAL	16

200 LEVEL

S/N	COURSE TITLES
FIRST SEMESTER	Applied Physics II
	Applied Physics II Lab

Numerical Methods with MATLAB
Mathematical Analysis
Engineering Mechanics I – Statics
Principles of Sociology
Enterprise Development

SECOND SEMESTER

Engineering Mechanics II-Dynamics
Engr Surveying and Photogrammetry
Engineering Surveying Laboratory
Design Principles and Civil Engr in Society
Strength of Materials
Strength of Materials Lab
Differential Equations
Principles of Psychology

TOTAL

15

300 LEVEL

S/N

COURSE TITLES

FIRST SEMESTER

Engineering Statistics
Fluid Mechanics

Fluid Mechanics Lab
 Transport and Traffic Engineering
 Traffic Engineering Laboratory
 Structural Analysis
 Principles of Microeconomics
 Soil and Rock Mechanics
 C IEN 327
 STEM Entrepreneurship

SECOND SEMESTER
 Hydraulics Engineering
 Hydraulics Engineering Lab
 Engineering Hydrology
 Reinforced Concrete Design
 Transportation Engineering
 Transportation Engineering Laboratory
 Soil Mechanics
 Soil Mechanics Laboratory
 Engineering Economic Analysis
 Intermediate Innovation Project II

TOTAL	19
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400 LEVEL

S/N		COURSE TITLES
	FIRST SEMESTER	Quantity Surveying and Estimating
		Construction Engineering

		Water Supply and Environmental Eng
		Drainage Systems Designs
		Foundation Engineering
		Research Project
		Civil Engineering Capstone Project I
		Entrepreneurship Project
		Quantity Surveying and Estimating
	SECOND SEMESTER	Construction Management and Systems Engineering
		Water Resources, Irrigation and Drainage Engineering
		Civil Engineering Capstone Project II
		Geotechnical Engineering
		Water and Wastewater Treatment
		Road and Transport Systems Engineering
		Structural Engineering (steel and timber)
	TOTAL	16