

REPUBLIQUE DU CAMEROUN
Paix – Travail – Patrie

INSTITUT UNIVERSITAIRE BENGONO
TOURE GENEVIEVE
Scientiarum - Excellentiam - Nobel



REPUBLIC OF CAMEROON
Peace-Work-Fatherland

THE BENGONO TOURE GENEVIEVE
UNIVERSITY INSTITUTE
SCIENTIARUM – EXCELLENTIAM – NOBEL

INSTITUT SUPERIEUR DES SCIENCES DE L'INGENIEUR, DES INDUSTRIES ET DE L'INNOVATION
THE HIGHER INSTITUTE OF ENGINEERING SCIENCES, INDUSTRIES AND INNOVATION

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BACHELOR'S IN CIVIL ENGINEERING

CODES	COURSE NAMES	CREDIT
	YEAR ONE	
BCEN1110	Introduction to research science	4
BCEN1111	Communication skills	3
BCEN1112	Engineering mathematics I	3
BCEN1113	Physics (theories)	3
BCEN1114	Thermodynamics	3
BCEN1115	Industrial Training I	3
BCEN1116	Production Technology I	3
BCEN1117	Engineering Drawing	3
BCEN1118	Electrical Technology	3
BCEN1119	Ethics and professional engineering	3
BCEN1120	Environmental Technology	3
BCEN1121	Computer application	3
BCEN1122	Industrial Training I	3
BCEN1123	General Chemistry	3
BCEN1124	Introduction to Construction Plan & Scheduling	3
BCEN1125	Surveying I	3
BCEN1126	Physics Lab	3
BCEN1127	Calculs I and II	3
BCEN1128	Field Work	3
		60
	YEAR TWO	
BCEN2110	Statistical Reasoning	3
BCEN2111	Engineering Drawing II	3

BCEN2112	Material Science	3
BCEN2112	Environmental Engineering	3
BCEN2113	Cartography	3
BCEN2114	Engineering Mathematics II	3
BCEN2115	Geographical Information System (GIS)	3
BCEN2116	Engineering Drawing III	3
BCEN2117	Industrial Training II	3
BCEN2118	Surveying II	3
BCEN2119	Transportation Engineering	3
BCEN2120	Building Structures	3
BCEN2121	Mechanics and Transport by Flow	3
BCEN2122	Soil Site Improvement	3
BCEN2123	Remote Sensing For Mapping	3
BCEN2124	Pavement Design	3
BCEN2125	Bridge Structural Design	3
BCEN2126	Differential Equation with Linear Algebra	3
BCEN2127	Integral Design of Infrastructure	3
BCEN2128	Professional Practice I	3
		60
	YEAR THREE	
BCEN3110	Theory of Map Projections	3
BCEN3211	Special Surveys	3
BCEN3213	Topographic Drawing	3
BCEN3112	Civil Engineering Practice	3
BCEN3212	Land Law and Survey Regulation	3
BCEN3113	GIS Programming	3
BCEN3114	Geotechnical Engineering	3
BCEN3115		3
	Railroad Engineering & Design	
BCEN3116	Design Masonry/Timber Structures	3
BCEN3117	Statistical Tools Engineers	3
BCEN3118	Computer Aided Design for Surveyors	3
BCEN3119	Mathematic for Surveyors	3
BCEN3120	Structural Engineering	3
BCEN3121	Concrete Structures 2	3
BCEN3122	Least Square Estimation	3
BCEN3123	Mechanics of Solids	3
BCEN3124	Electric Circuits I Lab	3
BCEN3125	Engineering in World Situation	3
BCEN3126	Probability and Statistics	3
BCEN3110	Professional Practice II	3
		60
	YEAR FOUR	
BCEN4114	Principle of Geotechnical Engineering Lab	3

BCEN4115	Mechanics of Solids & Materials Lab	3
BCEN4116	Surveying Lab	3
BCEN4117	Theory of Structures	3
BCEN4118	Hydraulics and Hydrology	3
BCEN4119	Design of Steel Structures	3
BCEN4120	Water Resources Engineering	3
BCEN3121	Foundation Design	3
BCEN4122	Construction Project management	3
BCEN4123	Reinforced Concrete Design	3
BCEN4125	Internship	10
BCEN4126	Dissertation	20
		60