

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 COMPUTER SCIENCE

CODES	COURSE NAMES	CREDIT
	YEAR ONE	
BSC1110	Introduction to research Methodolgy	4
BSC1111	Communication skills	3
BSC1112	Engineering mathematics I	3
BSC1113	Physics (theories and lab)	3
BSC1114	Probability and Statistics	3
BSC1115	Fundamentals of Mechanics	3
BSC1116	C Language Programming	3
BSC1117	Telecommunications Network Management	3
BSC1118	Physical Electronics	3
BSC1119	Ethics and professional engineering	3
BSC1120	Introduction To Digital Electronics	3
BSC1121	Computer application	3
BSC1122	Introduction to Engineering I and II	3
BSC1123	Computer aided design I and II	3
BSC1124	Software Engineering I	3
BSC1125	Introduction to Networking	3
BSC1126	Introduction to C Programming	3
BSC1127	English	3
BSC1128	Field work	3
		60
	YEAR TWO	
BSC2110	Fundamentals of Information Systems	3
BSC2111	Fundamentals of Information Technology	3

BSC2112	Engineering Mathematics 2	3
BSC2112	Web Design and Development	3
BSC2113	Computer Systems and Network	3
BSC2114	Introduction to e-Business	3
BSC2115	Database and Data Modeling	3
BSC2116	Task Automation Using Interpretive Languages	3
BSC2117	Routing and Switching	3
BSC2118	Security Concepts	3
BSC2119	Database Programming	3
BSC2120	Comparative Programming Languages	3
BSC2121	Systems Analysis	3
BSC2122	Database	3
BSC2123	Information Security	3
BSC2124	World Wide Web Development	3
BSC2125	Programming 1	3
BSC2126	Programming 2	3
BSC2127	Programming 3	3
BSC2128	Practical work(attachment)	3
		60
	YEAR THREE	
BSC3110	Distributed Computer Systems	3
BSC3211	Computer Systems Security	3
BSC3213	Internet of Things: Concepts & Applications	3
BSC3112	Operating Systems I and II	3
BSC3212	Data Structures	3
BSC3113	Electronic Publishing on the Internet	3
BSC3114	Cyber Security	3
BSC3115	Data science	3
BSC3116	Machine learning and neural networks	3
BSC3117	Engineering Mathematics III	3
BSC3118	Robotics and Artificial Intelligence	3
BSC3119	Physical computing and the internet of things	3
BSC3120	3D Graphics and animation	3
BSC3121	Geographic Information Systems	3
BSC3122	Law Of Contracts	3
BSC3123	Entrepreneurship	3
BSC3124	Software Development	3
BSC3125	Algorithms and data structures II	3
BSC3126	Databases, networks and the web	3
BSC3110	Professional Practice	3
		60
	YEAR FOUR	
BSC4114	Agile software projects	3

BSC4115	Computer security	3
BSC4116	Graphics programming	3
BSC4117	Programming with data	3
BSC4118	Databases and advanced data techniques	3
BSC4119	Computer Systems	3
BSC4120	Artificial intelligence	3
BSC3121	Virtual reality	3
BSC4122	Mobile development	3
BSC4123	Interaction design	3
BSC4125	Internship	10
BSC4126	Dissertation	20
		60