

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 SCIENCE WITH EDUCATION- PHYSICS

CODES	COURSE NAMES	CREDIT
	YEAR ONE	
BSCEDPM1110	Research methods	4
BSCEDPM1111	Communication skills	3
BSCEDPM1112	History of Education	3
BSCEDPM1113	Professional standards and ethics	3
BSCEDPM1114	Foundation of Education	3
BSCEDPM1115	ICT	3
BSCEDPM1116	Sociology of Education	3
BSCEDPM1117	Thermodynamics	3
BSCEDPM1118	Physics LabI	3
BSCEDPM1119	Computer Applications	3
BSCEDPM1120	Principles of Learning and Instruction	3
BSCEDPM1121	Intro to Teaching Science	3
BSCEDPM1122	Curriculum Theory and Practice	3
BSCEDPM1123	Physics for Engineers	3
BSCEDPM1124	Introduction to Psychology	3
BSCEDPM1125	Paradigms and Programs in Teacher Education	3
BSCEDPM1126	Psychology of the Exceptional Child	3
BSCEDPM1127	Human Resource Management	3
BSCEDPM1128	Physics LabII	3
		60
	YEAR TWO	
BSCEDPM2110	Evaluation of School Programs	3

BSCEDPM2111	General Pedagogy	3
BSCEDPM2112	Classroom Diversity and Management	3
BSCEDPM2112	Curriculum Development	3
BSCEDPM2113	Sociology of the Curriculum	3
BSCEDPM2114	Educational Psychology	3
BSCEDPM2115	Curriculum and Pedagogy	3
BSCEDPM2116	Science Methods and Materials	3
BSCEDPM2117	High Energy Physics	3
BSCEDPM2118	Condensed Matter Physics	3
BSCEDPM2119	Thermodynamics and Statistical Mechanics	3
BSCEDPM2120	Electromagnetism	3
BSCEDPM2121	Mathematical Methods in Physics	3
BSCEDPM2122	Experiments in Physics	3
BSCEDPM2123	Analog & Digital Electronics	3
BSCEDPM2124	General Physics III Modern Physics	3
BSCEDPM2125	Calculus for Science & Engineering III	3
BSCEDPM2126	Advanced Instrumentation Lab	3
BSCEDPM2127	Computational Methods	3
BSCEDPM2128	Quantum Mechanics	3
		60
	YEAR THREE	
BSCEDPM3110	Classical Mechanics	3
BSCEDPM3211	Thermodynamics & Statistical Mech.	3
BSCEDPM3213	Introduction to Quantum Mechanics I	3
BSCEDPM3112	Electricity and Magnetism I	3
BSCEDPM3212	Introduction to Quantum Mechanics II	3
BSCEDPM3113	Electricity and Magnetism II	3
BSCEDPM3114	Advanced Instrumentation Lab	3
BSCEDPM3115		3
	Foundations and Assessment of Special Education	
BSCEDPM3116	Human Development and Psychology	3
BSCEDPM3117	Health and Physical Education	3
BSCEDPM3118	Science – General	3
BSCEDPM3119	RE Methods II	3
BSCEDPM3120	Education Technologies	3
BSCEDPM3121	Children's Physical and Emotional Health, School Health and Education (practical)	3
BSCEDPM3122	Curriculum Development	3
BSCEDPM3123	Visual Arts	3
BSCEDPM3124	Lesson Planning	3
BSCEDPM3125	Entrepreneurship;	3
BSCEDPM3126	Advanced Modern Physics	3
BSCEDPM3110	Professional Practice	3
		60

	YEAR FOUR	
BSCEDPM4114	Education Profession	3
BSCEDPM4115	Development and Learning	3
BSCEDPM4116	Professionalism and Administration in Education	3
BSCEDPM4117	Instructional Strategies and Curriculum Design	3
BSCEDPM4118	Electromagnetic Theory	3
BSCEDPM4119	Analytical Mechanics	3
BSCEDPM4120	Wave Motion and Optics	3
BSCEDPM3121	Quantum Physics II: Atoms and Molecules	3
BSCEDPM4122	Advanced Physics & Astronomy	3
BSCEDPM4123	Quantum & Atomic	3
BSCEDPM4125	Internship	10
BSCEDPM4126	Dissertation	20
		60