

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- MATHEMATICS

CODES	COURSE NAMES	CREDIT
	YEAR ONE	
BSCEM1110	Foundation Course in Language-I	4
BSCEM1111	Education Foundations	3
BSCEM1112	History of Education	3
BSCEM1113	Communication Skills	3
BSCEM1114	Calculus I	3
BSCEM1115	General Pedagogy	3
BSCEM1116	Educational Psychology	3
BSCEM1117	Linear algebra I	3
BSCEM1118	English for Work Purposes	3
BSCEM1119	General Mathematics	3
BSCEM1120	Calculus II	3
BSCEM1121	Linear algebra II	3
BSCEM1122	Introduction to Psychology	3
BSCEM1123	Education Research Methods	3
BSCEM1124	Principles of Instructional Technology	3
BSCEM1125	History of Mathematics	3
BSCEM1126	Introduction to Statistics	3
BSCEM1127	Introduction to Guidance and Counseling	3
BSCEM1128	Field Work	3
		60
	YEAR TWO	
BSCEM2110	Computer Applications	3
BSCEM2111	Curriculum Design Principles	3

BSCEM2112	Differential Equations II	3
BSCEM2112	Mathematics 1: Series and Integral Calculus	3
BSCEM2113	Real Analysis	3
BSCEM2114	Educational Evaluation and Statistics	3
BSCEM2115	Educational Technology	3
BSCEM2116	Supervision and Observation in Schools	3
BSCEM2117	Multivariable Calculus	3
BSCEM2118	Mathematics Pedagogy 1	3
BSCEM2119	Teachers as Communicators	3
BSCEM2120	Fundamental Programming with Python	3
BSCEM2121	Quality Teaching and Learning in Secondary Education II	3
BSCEM2122	Numerical Methods	3
BSCEM2123	Aboriginal Education	3
BSCEM2124	Foundations of Human Development and Behaviour	3
BSCEM2125	Mathematics 2: Series and Integral Calculus	3
BSCEM2126	Educational Guidance	3
BSCEM2127	Special Topics in Education	3
BSCEM2128	Professional Ethics	3
		60
	YEAR THREE	
BSCEM3110	Thinking Skills & Problem Solving	3
BSCEM3211	Functional Analysis	3
BSCEM3213	Information Technology	3
BSCEM3112	Curriculum Theory and Development	3
BSCEM3212	Differential Equations III	3
BSCEM3113	Differential Geometry	3
BSCEM3114	Health and Physical Education	3
BSCEM3115	Educational Technology II	3
BSCEM3116	Educational Supervision	3
BSCEM3117	Research Methods II	3
BSCEM3118	Geometry	3
BSCEM3119	Probability	3
BSCEM3120	Statistics II	3
BSCEM3121	Co curriculum Education	3
BSCEM3122	Random Variables and Introduction to Modelling	3
BSCEM3123	Management of Change in Schools	3
BSCEM3124	Mathematics Pedagogy 1	3
BSCEM3125	Mathematics Pedagogy 2	3
BSCEM3126	Differential EquationsIV	3
BSCEM3110	Professional Practice	3
		60
	YEAR FOUR	
BSCEM4114	Complex Variables	3

BSCEM4115	Bridge to Abstract Math	3
BSCEM4116	Computational number theory	3
BSCEM4117	Staff Development Issues and principles	3
BSCEM4118	Leadership, Management & Professional Learning in Secondary Education	3
BSCEM4119	Series and Integral Calculus	3
BSCEM4120	Evaluation of Teaching and Learning	3
BSCEM3121	Mathematics Pedagogy 2	3
BSCEM4122	Seminar in Applied Mathematics	3
BSCEM4123	Mathematical modelling	3
BSCEM4125	Internship	10
BSCEM4126	Dissertation	20
		60