

BISHOP JOHN COLLINS TEACHERS COLLEGE



Stella Maris Polytechnic University

Catholic Archdiocese of Monrovia
St. Joseph Campus
Monrovia, Liberia

COURSE GUIDE

(BSc Degree In Math & Physics Education)

2025 - 2030

Freshman - Math in Education - Program Year 1, Semester I

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
ENGL	101	English I (Freshman English)	3	FRESHMAN STANDING
PHOT	101	Phonics for Teachers I	2	FRESHMAN STANDING
MATH	107	Precalculus	4	FRESHMAN STANDING
TIM	101	Teaching Instructional Methods I	2	FRESHMAN STANDING
PHYS	105	Introduction to Physics I	3	FRESHMAN STANDING
EDMA	111	Math for Teachers I	3	FRESHMAN STANDING
RELG	101	Man and Morality	1	FRESHMAN STANDING
EDUC	103	Foundation of Liberia Education I	2	FRESHMAN STANDING
PSYS	111	Physics Lab I	1	FRESHMAN STANDING
			21	

Freshman - Math in Education - Program Year 1, Semester 2

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
ENGL	102	English II (Freshman English)	3	ENGL 101
PHOT	102	Phonics for Teachers II	2	PHOT 101
TIM	102	Teaching Instructional Methods II	2	TIM 101
PHYS	106	Introduction to Physics II	3	PHYS 105
EDMA	112	Math for Teachers II	3	EDMA 111
RELG	102	Norms and Standards of Morality	1	RELG 101
EDUC	104	Foundation of Liberia Education II	2	EDUC 103
PHYS	112	Physics Lab II	1	PHYS 111
			17	

Sophomore
Math in Education - Program Year 2, Semester 1

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
ENGL	201	Sophomore English I	3	ENGL 102
Math	201	Differential Calculus	4	Math 107
TIM	201	Teaching Instructional Methods III	2	TIM 102
EDP	202	Computer Science	3	ENGL 102
PHYS	205	General Physics I	3	PHYS 105
PHYS	211	Lab III	1	PHYS 111
			16	

Sophomore
Math in Education – Program Year 2, Semester 2

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
ENGL	202	Sophomore English II	3	ENGL 201
Math	202	Integral Calculus	4	Math 201
Math	208	Linear Algebra	4	Math 201
EDUC	204	Educational Psychology I	3	ENGL 201
PHYS	206	General Physics II	3	PHYS 205
PHYS	212	Physics Lab IV	1	PHYS 211
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Junior – Math in Education - Program Year 3, Semester 1

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
EDUC	303	Educational Psychology II	3	EDUC 204
EDUC	301	Educational Guidance & Counseling	3	ENGL 202
Math	303	Principles of Computing	3	Math 202 & 204
LLK	311	Introduction to Kpelle	1	ENGL. 102
EDUC	307	<i>Comparative Education</i>	3	ENGL 202
Math	301	<i>Calculus III – Multivariable Calculus</i>	3	Math 202 & 204
			16	

Junior – Math in Education - Program Year 3, Semester 2

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
PRT	310	Practice Teaching	3	<i>TIM 102</i>
EDUC	308	<i>Sociology of Education</i>	2	EDUC 303
EDUC	315	Research Project Writing I	2	ENGL. 202
Math	304	Ordinary Differential Equations	3	Math 301
EDUC	309	<i>Measurement and Evaluation I</i>	3	Math 102
Math	307	Probability and Statistics	3	Math 303
			16	

Senior- Math in Education - Program Year 4, Semester 1

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
EDUC	409	Measurement & Evaluation II	3	EDUC 309
Math	308	Plane Geometry	3	Math 307
Math	401	<i>Methods of Teaching Math</i>	3	Math 308
CTS	101	Introduction to Critical Thinking	3	ENGL. 202
EDUC	420	Adult Education	2	EDUC 311
Math	400	Abstract Algebra	3	307
			17	

Senior – Math in Education – Program Year 4. Semester 2

Course Code	Course Number	Course Title	C/Hrs	Pre-requisite
EDUC	416	Educational Administration and Management	2	ENGL. 202
EDUC	426	Educational Planning	2	EDUC 311
CTS	102	Argument, Logic and Truths	3	CTS 101
Math	408	Theory of Numbers	3	Math 308
EDUC	408	Basic Media Production	1	EDUC 315
PRT	410	Practice Teaching II	3	PRT 310
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