



NORTHWESTERN MINDANAO STATE COLLEGE OF SCIENCE AND TECHNOLOGY

LABUYO, TANGUB CITY

Bachelor of Secondary Education Major Mathematics

BOT Res. No. 35 s. 2018

CHED Memo Order 75 s. 2017

Effective S.Y. 2018 – 2019



First Year – First Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Pur Comm	Purposive Communication	3	3	0	0	3	
	Envi Sci	Environmental Science	3	3	0	0	3	
	STS	Science, Technology and Society	3	3	0	0	3	
	MMW	Mathematics in the Modern World	3	3	0	0	3	
	Hum 11	Art Appreciation	3	3	0	0	3	
	Soc Sci 11	Understanding the Self	3	3	0	0	3	
	Ethics	Ethics	3	3	0	0	3	
	Hist 11	Readings in Philippine History	3	3	0	0	3	
	Path Fit. 1	Movement Competency Training	2	2	0	0	2	
	NSTP 1	National Service Training Program	(3)	(3)	0	0	(3)	
	Total		26	26	0	0	26	

First Year- Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Con World	The Contemporary World	3	3	0	0	3	
	Math 111	College and Advanced Algebra	3	3	0	0	3	
	Entrep 11	The Entrepreneurial Mind	3	3	0	0	3	
	GAS	Gender and Society	3	3	0	0	3	
	Rizal	Life and Works of Rizal	3	3	0	0	3	
	Educ. 101	The Child and Adolescent Learners and Learning Principles	3	3	0	0	3	
	Educ. 102	Building and Enhancing New Literacies Across the Curriculum	3	3	0	0	3	
	Path. Fit. II	Fitness Training	2	2	0	0	2	<i>Path. Fit. I</i>
	NSTP 2	National Service Training Program	(3)	(3)	0	0	(3)	<i>NSTP 1</i>
	Total		23	23	0	0	23	

Second Year – First Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 103	Facilitating Learner-Centered Teaching	3	3	0	0	3	
	Educ. 104	Technology for Teaching and Learning I	2	2	1	3	3	
	Educ. 105	The Teaching Profession	3	3	0	0	3	
	Educ. 106	Assessment of Learning I	3	3	0	0	3	
	Math 112	Trigonometry	3	3	0	0	3	<i>Math 111</i>
	Math 113	Plane and Solid Geometry	3	3	0	0	3	<i>Math 111</i>
	Math 114	Mathematics of Investment	3	3	0	0	3	<i>Math 111</i>
	Path. Fit. III	Dance1/ Sports1/ Group Exercises 1	2	2	0	0	2	<i>Path. Fit. II</i>
	Total		22	22	1	3	23	

Second Year – Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 107	Assessment of Learning 2	3	3	0	0	3	<i>Educ.106</i>
	Educ. 108	The Teacher and the Community School Culture and Organizational Leadership	3	3	0	0	3	
	Educ. 109	Foundation of Special and Inclusive Education	3	3	0	0	3	
	Math 115	Elementary Statistics & Probability	3	3	0	0	3	
	Math 116	History of Math	3	3	0	0	3	<i>Math 111</i>
	Math 117	Logic and Set Theory	3	3	0	0	3	
	Math 118	Calculus 1 with Analytic Geometry	4	4	0	0	4	<i>Math 111, Math 112, Math 113</i>
	Path. Fit. IV	Dance2/ Sports 2/ Group Exercises 2	2	2	0	0	2	<i>Path. Fit. III</i>
	Total		24	24	0	0	24	

Third Year – First Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 110	Teacher and the School Curriculum	3	3	0	0	3	
	Math 119	Calculus 2	4	4	0	0	4	Math 118
	Math 120	Modern Geometry	3	3	0	0	3	Math 113
	Math 121	Problem Solving, Mathematical Investigation & Modeling	3	3	0	0	3	Math 111, Math 113, Math 117
	Math 122	Principles & Strategies in Teaching Mathematics	3	3	0	0	3	
	Math 123	Technology for Teaching and Learning 2 (Instrumentation & Technology in Mathematics)	2	2	1	3	3	Educ 104, Educ 106 & 107
	Math 124	Advanced Statistics	2	2	1	3	3	Math 115
	Chemistry	General Chemistry	3	3	2	6	5	
	JEEP 1	Job Enabling English Proficiency Accelerate 1	3	3	0	0	3	
	Total		26	26	4	12	30	

Third Year – Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Math 125	Assessment & Evaluation in Mathematics	3	3	0	0	3	Math 124
	Math 126	Calculus 3	4	4	0	0	4	Math 119
	Math 127	Number Theory	3	3	0	0	3	Math 111, Math 117
	Math 128	Linear Algebra	3	3	0	0	3	Math 117
	Math 129	Abstract Algebra	3	3	0	0	3	Math 117
	Research 101	Research Methods	3	3	0	0	3	Math 124
	Physics 101	General Physics	3	3	1	3	4	
	JEEP 2	Job Enabling English Proficiency Accelerate 2	3	3	0	0	3	JEEP 1
	Total		25	25	1	3	26	

Fourth Year – First Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Research 102	Research in Mathematics/ Undergraduate Thesis	3	3	0	0	3	Research 101
	Field Study 1	Observations of Teaching-Learning in Actual School Environment	0	0	3	15	3	All Prof. Ed. & Major Subjects
	Field Study 2	Participation and Teaching Assistantship	0	0	3	15	3	All Prof. Ed. & Major Subjects
	Total		3	3	6	30	9	

Fourth Year – Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 111	Teaching Internship	0	0	6	40	6	Field Study 1 & 2
	Educ. 112	Enhancement Class	3	3	0	0	3	Educ. 111
	Total		3	3	6	40	9	

Summary:

	Minimum Requirement	Actual Number of Units
Gen. Educ. Courses	- 36	36
Prof. Educ. Courses	- 42	42
Major Courses	- 63	75
Mandated Courses (PE and NSTP)	- 14	14
Institutional Requirement	-	9

TOTAL UNITS - **155** **176**