



NORTHWESTERN MINDANAO STATE COLLEGE OF SCIENCE AND TECHNOLOGY

LABUYO, TANGUB CITY

Bachelor of Technical Vocational Teacher Education (BTVTEd)

Major in Electrical Technology

BOT Res. No. 48 S. 2017

CHED Memo Order 79 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	
	Arts	Philippine Popular Culture	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		23	23	0	0	23	

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	
	MMW	Mathematics in the Modern World	3	3	0	0	3	
	STS	Science, Technology and Society	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 A	Building and Enhancing New Literacies Across the Curriculum with Emphasis on the 21 st Century Skills	3	3	0	0	3	
	Path. Fit. II	Fitness Training	2	2	0	0	2	P.E. 1
	NSTP 2	National Service Training Program	(3)	(3)	0	0	(3)	NSTP 1
	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.	The Andragogy of Learning Including Principles of Trainers' Methodology I	3	3	0	0	3	
	Educ. 103 A	Facilitating Learner-Centered Teaching: The Learner-Centered Approaches with Emphasis on Trainers Methodology I	3	3	0	0	3	
	Educ. 104	Technology for Teaching and Learning I	3	3	0	0	3	
	Educ. 105	The Teaching Profession	3	3	0	0	3	
	Educ. 106	Assessment of Learning I	3	3	0	0	3	
	IIA	Introduction to Industrial Arts	3	3	0	0	3	
	IAFA	Introduction to Agri-Fishery Arts	3	3	0	0	3	
	Elec. 1	Electrical Installation 1 (Residential Wiring)	1	1	2	6	3	
	Elec. 2	Electrical Installation 2 (Industrial Wiring, Signal & Communication)	1	1	2	6	3	
	Path. Fit. III	Dance/ Sports/ Group Exercises 1	2	2	0	0	2	P.E .2
	Total		25	25	4	12	29	

Second Year – Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 107A	Assessment in Learning II with focus on Trainers Methodology I & II	3	3	0	0	3	Educ.106
	Educ. 108A	The Teacher and the Community, School Culture and Organizational Leadership with focus on the Philippine TVET System	3	3	0	0	3	
	Educ. 109	Foundation of Special and Inclusive Education	3	3	0	0	3	
	Entrep	Entrepreneurship	3	3	0	0	3	
	HE Lit.	Home Economics Literacy	3	3	0	0	3	
	ICT	Teaching ICT as an Exploratory Course	2	2	1	3	3	
	Elec. 3	Electrical installation 3 (Distribution System/Transformer)	1	1	2	6	3	
	Elec. 4	Electrical Machines & Drives Elements	1	1	2	6	3	
	Path. Fit. IV	Dance/ Sports/ Group Exercises 2	2	2	0	0	2	PE 3
	Total		21	21	5	15	27	

Third Year – First Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	Educ. 110A	Curriculum Development and Evaluation with Emphasis on Trainers Methodology II	3	3	0	0	3	
	Stat. 101	Advanced Statistics	3	3	0	0	3	
	TLE	Technology for Teaching and Learning II	3	3	0	0	3	
	TCCIA	Teaching the Common Competencies in Industrial Arts	3	3	0	0	3	
	TCCICT	Teaching the Common Competencies in ICT	3	3	0	0	3	
	Elec. 5	AC Machines & Controllers/Sequential Control	1	1	2	6	3	
	Elec. 6	DC Machines and Controllers	1	1	3	9	4	
	Elec. 7	Industrial instrumentation	1	1	2	6	3	
	JEEP 1	Job Enabling English Proficiency Accelerate 1	3	3	0	0	3	
	Total		21	21	7	21	28	

Third Year – Second Semester

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab Eq.H	Total Units	Pre- Requisites
	TCCAFA	Teaching the Common Competencies in Agri-Fishery Arts	3	3	0	0	3	
	TCCHE	Teaching the Common Competencies in Home Economics	3	3	0	0	3	
	TM	Work-based Learning with Emphasis on Trainers' Methodology	3	3	0	0	3	
	Elec. 8	Industrial Control	1	1	3	9	4	
	Elec. 9	Industrial Electronics	1	1	2	6	3	
	Elec. 10	Electro Pneumatic Controller	1	1	2	6	3	
	Elec. 11	Programmable Logic Controller	1	1	3	9	4	
	Research 101	Research Methods	2	2	1	3	3	
	JEEP 2	Job Enabling English Proficiency Accelerate 2	3	3	0	0	3	JEEP 1
	Total		19	19	10	30	29	

Summer

Grade	Course Number	Descriptive Title	Lecture Units	Lec. Eq. H	Lab Units	Lab. Eq.H	Total Units	Pre- Requisites
	Practicum	Supervised Industrial Training	0	0	3	240	3	

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	Undergraduate Thesis/Research Paper/Research Project	0	0	3	9	3	Research 101
	Field Study 1	Observations of Teaching-Learning in Actual School Environment	0	0	3	9	3	All Prof. Ed. Subjects
	Field Study 2	Participation and Teaching Assistantship	0	0	3	9	3	All Prof. Ed. Subjects
	Total		0	0	9	27	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 Req.	Actual Number of Units
	Gen. Educ. Courses	- 36	36
	Prof. Educ. Courses	- 54	57
	Major Courses	- 69	69
	Mandated Courses (PE and NSTP)	- 14	14
	Institutional Requirement	-	9
TOTAL UNITS		- 173	185