



University of Southeastern Philippines
College of Education

BACHELOR OF TECHNICAL-VOCATIONAL TEACHER EDUCATION
Major in Electronics Technology (ELX)

CMO No.79, series of 2017

Approved per BOR Resolution No. 58, series of 2018

Revised per BOR Resolution No. 51A, series of 2020

Effective S.Y. 2018-2019

FIRST YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	None
GE 114	Ethics	3	0	3	None
Educ 111	The Child and Adolescent Learners and Learning Principles	3	0	3	None
Educ 112	Foundations of Special and Inclusive Education	3	0	3	None
ELX 111	Occupational Health & Safety Practices	2	0	2	None
ELX 112	Technical Drawing	1	1	2	None
VTEd-E111	Teaching ICT as an Exploratory Course	3	0	3	None
VTEd-E112	Introduction to Industrial Arts	2	1	3	None
PE 111	Movement Enhancement	2	0	2	None
NSTP 111	National Service Training Program 1	3	0	3	None
Total				27	
GE 111	Purposive Communication	3	0	3	None
GE 112	Mathematics in the Modern World	3	0	3	None
Educ 123	Technology for Teaching and Learning 1**	3	0	3	Educ 111, Educ 112
Educ 124/VTEd	The Teacher and the Community, School Culture and Organizational Leadership with focus on the Phil. TVET System*	3	0	3	Educ 111, Educ 112
ELX 123	Electronic Devices, Instruments & Circuits	1	2	3	ELX 112
ELX 124	Electronic Wireless Communication System	1	2	3	None
VTEd-E 123	Teaching the Common Competencies in Industrial Arts	2	1	3	VTEd-E112
PE 122	Fitness Exercise	2	0	2	PE 111
NSTP 122	National Service Training Program 2	3	0	3	NSTP 111
Total				26	

SECOND YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 217	Science, Technology, and Society	3	0	3	None
GE 218	Arts Appreciation	3	0	3	None
Educ 215	The Teaching Profession	3	0	3	Educ 124
Educ 216A	Assessment in Learning 1	3	0	3	None
ELX 215	Electronically-Controlled Domestic Household Appliance Repair and Maintenance	1	2	3	ELX 123, ELX 124
ELX 216	Audio & Video System Repair & Maintenance	1	2	3	ELX 124
VTEd-E214	Introduction to Agriculture and Fisheries	3	0	3	None
VTEd-E215	Teaching the Common Competencies in ICT	1	2	3	VTEd-E111
PE 213	Physical Activities Towards Health & Fitness I	2	0	2	PE 122
Total				26	
GE 215	The Life & Works of Rizal	3	0	3	None
GE 216	Readings in Philippine History	3	0	3	None
Educ 227/VTEd	Facilitating Learner-Centered Teaching: The Learner-Centered Approaches with Emphasis on Trainers' Methodology I*	3	0	3	Educ 111
Educ 216B/VTEd	Assessment in Learning 2 with Focus on Trainers' Methodology I & II*	3	0	3	Educ 216A
Educ 228/VTEd	The Andragogy of Learning Including Principles of Trainers' Methodology I (Additional Course) *	3	0	3	None
ELX 227	Digital Electronic System Design and Application	1	2	3	ELX 111, ELX 123, ELX 124
ELX 228	Computer Systems and Networks	1	2	3	ELX 123
PE 224	Physical Activities Towards Health & Fitness II	2	0	2	PE 213
Total				23	

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
VTEd-E236	Entrepreneurship	3	0	3	None
VTEd-E237	Home Economics Literacy	3	0	3	None
Total				6	

THIRD YEAR					
1st Semester			2nd Semester		
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	None
EGE 312	General Education Elective 2	3	0	3	None
Educ 318/VTEd	Curriculum Development and Evaluation with Emphasis on Trainers' Methodology II*	3	0	3	Educ 124
Educ 319/VTEd	Building and Enhancing New Literacies Across the Curriculum with Emphasis on the 21 st Century Skills*	3	0	3	None
Educ 310	Technology Research 1 (Methods of Research)	3	0	3	None
ELX 319	Power Electronics	1	2	3	ELX 215, ELX 227
ELX 310	Hydraulic & Pneumatic Systems	1	2	3	ELX 227, ELX 228
ELX 311	Microcontroller	1	2	3	ELX 227
Total				24	
EGE 313	General Education Elective 3	3	0	3	None
GE 319	Contemporary World	3	0	3	None
Educ 321/VTEd	Work-Based Learning with Emphasis on Trainers' Methodology*	3	0	3	None
ELX 322	Programmable Logic Controls & Instrumentation	1	2	3	ELX 319, ELX 310
ELX 323	Industrial Robotics	2	2	4	ELX 319, ELX 310
ELX 324	Technology for Teaching and Learning 2 (TLE)**	3	0	3	Educ 123
VTEd-E 328	Teaching the Common Competencies in HE	2	1	3	VTEd-E237
VTEd-E 329	Teaching the Common Competencies in AFA	2	1	3	VTEd-E214
EdRes 400	Technology Research 2 *** (Undergraduate Thesis/Research Project)	0	2	2	3 rd Year Standing
Total				27	

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
SIT	Supervised Industrial Training (270 Hours)	0	5	5	All Major Subjects
Total				5	



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FOURTH YEAR											
1st Semester					2nd Semester						
Course No.	Course Title	Credit			Pre/Co- Requisite	Course No.	Course Title	Credit			Pre/Co- Requisite
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
FS 411	Field Study 1 (Observations of Teaching-Learning in Actual School Environment)	0	5	5	All Prior Subj's from 1 st Yr to 3 rd Yr.	Educ 421	Teaching Internship	0	6	6	FS 411 and FS 412
FS 412	Field Study 2 (Participation and Teaching Assistantship)	0	5	5	All Prior Subj's from 1 st Yr to 3 rd Yr.	EdRes 400	Technology Research 2 *** (Undergraduate Thesis/Research Project)	0	2	2	
EdRes 400	Technology Research 2 *** (Undergraduate Thesis/Research Project)	0	2	2							
Total				12		Total				8	

Note: *Professional Education Courses with Integrated TM Courses
 **Required TTL Courses Aligned with ICT Competency Standards for Teachers
 ***A subject to be enrolled continuously until the last prescribed semester where student's grade will appear.

General Education Electives:	
Environmental Science	Reading Visual Art
Gender and Society	Living in the IT Era
People and the Earth's Ecosystems	Foreign Languages
Philippine Indigenous Communities	

Summary of Units	
General Education Courses	36
Professional Education Courses with Additional Technical-Vocational Allied Courses	61
Major Courses	73
Physical Education	8
National Service Training Program	6
Total Number of Units	184