



VISION

(BOR Resolution No. 25 s. 2016)

A premier state university with recognized excellence in engineering and technology education at par with leading universities in the ASEAN region.

MISSION

(Section 2 of P.D. No. 1518)

The University shall provide higher and advanced vocational, technical, industrial, technological and professional education and training in industries and technology and in practical arts leading to certificates, diplomas and degrees. It shall provide progressive leadership in applied research, developmental studies in technical, industrial, and technological fields and production using indigenous materials; effect technology transfer in the countryside; and assist in the development of small-and-medium scale industries in identified growth centers.

DEPARTMENT OF INDUSTRIAL EDUCATION GOALS

1. To periodically review the curricular program to produce competent and committed teachers.
2. To undertake development and innovative researches in Industrial Education.
3. To facilitate transfer of technology in Industrial Education through expanded and effective linkages with industry and other sectors.
4. To produce teachers who understand and appreciate genuine human ideas and values.
5. To imbue prospective teachers with desirable characteristics.

OBJECTIVES

1. Offer relevant and responsive curricular programs.
2. Initiate the conduct of researches in pedagogy and related educational technology.
3. Intensify community involvement through extension programs and projects.
4. Develop attitude, personal discipline, moral, social and cultural values of the students.
5. Equip prospective teachers with desirable personal and social characteristics, qualities and traits.



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REPUBLIC OF THE PHILIPPINES
TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
CAVITE CAMPUS

Carlos Q. Trinidad Avenue, Salawag, Dasmariñas City, Cavite, Philippines
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BTVTED

AREA III

CURRICULUM AND INSTRUCTION

A. Curriculum and Program of Studies

S.1. The curriculum provides for the development of the following professional competencies:

S.1.2. application of the theories to real problems in the field;



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VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-CP - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Co-requisite
		Lec	Lab	Lec	Lab		
1st Year							
1st Semester							
GEC4-C	Mathematics in the Modern World	3		3	3.00	3.00	
GEC5-C	Purposive Communication	3		3	3.00	3.00	
HE1E-C	Integrated Home Economics Lec	3		3	3.00	3.00	
HE1EL-C	Integrated Home Economics Lab		3	3		9.00	
ICT1E-C	Information and Communication Technology Essentials Lec	3		3	3.00	3.00	
ICT1EL-C	Information and Communication Technology Essentials Lab		3	3		9.00	
NSTP1-C	National Service Training Program 1	3		3	3.00	3.00	
PE1-C	Physical Fitness	2		2	2.00	2.00	
PROFED1-C	The Child and Adolescent Learner and Learning Principles	3		3	3.00	3.00	
PROFED2-C	The Teaching Profession	3		3	3.00	3.00	
TOTAL		23	6	29	23	18	41

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Co-requisite
		Lec	Lab	Lec	Lab		
1st Year							
2nd Semester							
AFA1E-C	Introduction to Agri-Fishery Arts Lec	3		3	3.00	3.00	
AFA1EL-C	Introduction to Agri-Fishery Arts Lab		3	3		9.00	
GEC1-C	Understanding the Self	3		3	3.00	3.00	
GEC7-C	Science, Technology and Society	3		3	3.00	3.00	
IA1E-C	Fundamentals of Industrial Arts Lec	3		3	3.00	3.00	
IA1EL-C	Fundamentals of Industrial Arts Lab		3	3		9.00	
NSTP2-C	National Service Training Program 2	3		3	3.00	3.00	NSTP1-C
PE2-C	Rhythmic Activities	2		2	2.00	2.00	PE1-C
PROFED3-C	Foundation of Technology Education	3		3	3.00	3.00	
PROFED4-C	Facilitating Learner-Centered Teaching: The Learner-Centered Approach with Emphasis on Trainers Methodology 1	3		3	3.00	3.00	PROFED1-C, PROFED2-C
TOTAL		23	6	29	23	18	41

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Co-requisite
		Lec	Lab	Lec	Lab		
2nd Year							
1st Semester							
GEC2-C	Readings in Philippine History	3		3	3.00	3.00	
PE3-C	Individual and Dual Sports	2		2	2.00	2.00	PE1-C
PROFED5-C	Technology for Teaching and Learning 1	3		3	3.00	3.00	PROFED3-C, PROFED4-C
PROFED6-C	Building and Enhancing New Literacies Across the Curriculum with Emphasis on the 21st Century Skills.	3		3	3.00	3.00	PROFED3-C
PROG1-C	Structured Programming, Lec	3		3	3.00	3.00	ICT1E, ICT1EL
PROG1L-C	Structured Programming, Lab		3	3		9.00	ICT1E, ICT1EL
PROG2-C	Web Development 1, Lec	3		3	3.00	3.00	ICT1E, ICT1EL
PROG2L-C	Web Development 1, Lab		3	3		9.00	ICT1E, ICT1EL
TOTAL		17	6	23	17	18	35

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Co-requisite
		Lec	Lab	Lec	Lab		
2nd Year							
2nd Semester							
GEC6-C	Art Appreciation	3		3	3.00	3.00	
PE4-C	Team Sports	2		2	2.00	2.00	PE1-C
PROFED7-C	Assessment in Learning 1	3		3	3.00	3.00	PROFED3-C, PROFED4-C
PROFED8-C	The Teacher and the Community, School Culture and Organizational Leadership with Focus on TVET System	3		3	3.00	3.00	PROFED4-C
PROG3-C	Object-Oriented Programming, lec	3		3	3.00	3.00	PROG1-C, PROG1L-C
PROG3L-C	Object-Oriented Programming, lab		3	3		9.00	PROG1-C, PROG1L-C
PROG4-C	Web Development 2, Lec	3		3	3.00	3.00	PROG2-C, PROG2L-C
PROG4L-C	Web Development 2, Lab		3	3		9.00	PROG2-C, PROG2L-C



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VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-CP - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

Subject Code	Subject Description	Units		Total		Hours		Prerequisite	Co-requisite
		Lec	Lab	Units	Lec	Lab	Hours		
TTL-C	Technology for Teaching and Learning 2	3		3	3.00		3.00	PROFED5-C	
TOTAL		20	6	26	20	18	38		

3rd Year		1st Semester							
GEC8-C	Ethics	3		3	3.00		3.00		
PROFED10-C	Foundation of Special and Inclusive Education	3		3	3.00		3.00	PROFED4-C	
PROFED11-C	Curriculum Development and Evaluation	3		3	3.00		3.00	PROFED5-C, PROFED6-C, PROFED4-C	PROFED12-C
PROFED12-C	Assessment in Learning 2	3		3	3.00		3.00	PROFED7-C	
PROFED9-C	Methods of Research	3		3	3.00		3.00	PROFED7-C	
PROG5-C	Device Programming, lec	3		3	3.00		3.00	PROG1-C, PROG1L-C	
PROG5L-C	Device Programming, lab		3	3		9.00	9.00	PROG1-C, PROG1L-C	
PROG6-C	Mobile Application Development, Lec	3		3	3.00		3.00	PROG3-C, PROG3L-C, PROG4-C, PROG4L-C	
PROG6L-C	Mobile Application Development, Lab		3	3		9.00	9.00	PROG3-C, PROG3L-C, PROG4-C, PROG4L-C	
TOTAL		21	6	27	21	18	39		

3rd Year		2nd Semester							
BET6-C	Technopreneurship	3		3	3.00		3.00		
GEC3-C	The Contemporary World	3		3	3.00		3.00		
GEM14-C	Life and Works of Rizal	3		3	3.00		3.00		
PROFED13-C	Statistics for Educational Research	3		3	3.00		3.00	PROFED9-C	
PROFED15-C	Andragogy of Learning Including Principles of Trainers Methodology	3		3	3.00		3.00	PROFED3-C, PROFED4-C	
PROG7-C	Application Software Development, lec	3		3				PROG3-C, PROG3L-C, PROG4-C, PROG4L-C	
PROG7L-C	Application Software Development, lab		3	3		9.00	9.00	PROG3-C, PROG3L-C, PROG4-C, PROG4L-C	
SEM1-C	Seminar in Technology and Livelihood Education for Teachers	3		3	3.00		3.00		
SEM2-C	Seminar in General Education For Teachers	3		3	3.00		3.00		
TOTAL		24	3	27	21	9	30		

3rd Year		SUMMER							
SIT	Supervised Industrial Training (240 hours)		3	3		3.00	3.00		
TOTAL		0	3	3	0	3	3		

4th Year		1st Semester							
GEE11A-C	Environmental Science and Engineering	3		3	3.00		3.00		
GEE12C-C	Gender and Society	3		3	3.00		3.00		
GEE13B-C	Philippine Popular Culture	3		3	3.00		3.00		
IPT-C	In-Campus Practice TEaching	6		6	6.00		6.00	PROFED4-C, PROFED11-C, PROFED13-C	
PROFED14-C	Thesis Writing	3		3	3.00		3.00	PROFED13-C	
PROFED16-C	Work-Based Learning with Emphasis on Trainers Methodology	3		3	3.00		3.00	PROFED15-C	
SEM3-C	Seminar in Professional Education for Teachers	3		3	3.00		3.00		
TOTAL		24	0	24	24	0	24		

4th Year		2nd Semester							
OPT-C	Practice Teaching		9	9		9.00	9.00	IPT-C	
TOTAL		0	9	9	0	9	9		


SARAH JANE D. VELOS
 Campus Registrar



VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-EL - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Co-requisite
		Lec	Lab	Lec	Lab		
1st Year							
1st Semester							
GEC4-C	Mathematics in the Modern World	3		3	3.00	3.00	
GEC5-C	Purposive Communication	3		3	3.00	3.00	
HE1E-C	Integrated Home Economics Lec	3		3	3.00	3.00	
HE1EL-C	Integrated Home Economics Lab		3	3		9.00	
ICT1E-C	Information and Communication Technology	3		3	3.00	3.00	
	Essentials Lec						
ICT1EL-C	Information and Communication Technology		3	3		9.00	
	Essentials Lab						
NSTP1-C	National Service Training Program 1	3		3	3.00	3.00	
PATHFIT1-C	Physical Activities Toward Health and Fitness 1	2		2	2.00	2.00	
PROFED1-C	The Child and Adolescent Learner and	3		3	3.00	3.00	
	Learning Principles						
PROFED2-C	The Teaching Profession	3		3	3.00	3.00	
TOTAL		23	6	29	23	18	41

1st Year							
2nd Semester							
AFA1E-C	Introduction to Agri-Fishery Arts Lec	3		3	3.00	3.00	
AFA1EL-C	Introduction to Agri-Fishery Arts Lab		3	3		9.00	
GEC1-C	Understanding the Self	3		3	3.00	3.00	
GEC7-C	Science, Technology and Society	3		3	3.00	3.00	
IA1E-C	Fundamentals of Industrial Arts Lec	3		3	3.00	3.00	
IA1EL-C	Fundamentals of Industrial Arts Lab		3	3		9.00	
NSTP2-C	National Service Training Program 2	3		3	3.00	3.00	NSTP1-C
PATHFIT2-C	Physical Activities Toward Health and Fitness 2	2		2	2.00	2.00	PE1-C
PROFED3-C	Foundation of Technology Education	3		3	3.00	3.00	
PROFED4-C	Facilitating Learner-Centered Teaching: The	3		3	3.00	3.00	PROFED1-C, PROFED2-C
	Learner-Centered Approach with Emphasis on Trainers Methodology 1						
TOTAL		23	6	29	23	18	41

2nd Year							
1st Semester							
ETECH1-C	Electrical Fundamentals, House Wiring Design	3		3	3.00	3.00	
	and Estimate, Lec						
ETECH1L-C	Electrical Fundamentals, House Wiring Design		3	3		9.00	
	and Estimate, Lab						
ETECH2-C	Electrical Appliances Servicing Lec	3		3	3.00	3.00	
ETECH2L-C	Electrical Appliances Servicing Lab		3	3		9.00	
GEC2-C	Readings in Philippine History	3		3	3.00	3.00	
PATHFIT3-C	Physical Activities Toward Health and Fitness 3	2		2	2.00	2.00	PE1-C
PROFED5-C	Technology for Teaching and Learning 1	3		3	3.00	3.00	PROFED3-C, PROFED4-C
PROFED6-C	Building and Enhancing New Literacies Across	3		3	3.00	3.00	PROFED3-C
	the Curriculum with Emphasis on the 21st Century Skills.						
TOTAL		17	6	23	17	18	35

2nd Year							
2nd Semester							
ETECH3-C	Transformer and Motor Rewinding Lec	3		3	3.00	3.00	ETECH1-C, ETECH1L-C, ETECH2-C, ETECH2L-C
ETECH3L-C	Transformer and Motor Rewinding Lab		3	3		9.00	ETECH1-C, ETECH1L-C, ETECH2-C, ETECH2L-C
ETECH4-C	Renewable Energy and Conservation Lec	3		3	3.00	3.00	ETECH1-C, ETECH1L-C, ETECH2-C, ETECH2L-C
ETECH4L-C	Renewable Energy and Conservation Lab		3	3		9.00	ETECH1-C, ETECH1L-C, ETECH2-C, ETECH2L-C
GEC6-C	Art Appreciation	3		3	3.00	3.00	
PATHFIT4-C	Physical Activities Toward Health and Fitness 4	2		2	2.00	2.00	PE1-C
PROFED7-C	Assessment in Learning 1	3		3	3.00	3.00	PROFED3-C, PROFED4-C
PROFED8-C	The Teacher and the Community, School	3		3	3.00	3.00	PROFED4-C
	Culture and Organizational Leadership with Focus on TVET System						



VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-EL - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

Subject Code	Subject Description	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
TTL-C	Technology for Teaching and Learning 2	3		3.00		3.00	PROFED5-C	
TOTAL		20	6	26	20	18	38	

3rd Year	1st Semester	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
ETECH5-C	Electromechanical Controller with Pneumatics and PLC Lec	3		3.00		3.00	ETECH4-C, ETECH4-L, ETECH4-M	
ETECH5L-C	Electromechanical Controller with Pneumatics and PLC Lab		3		9.00	9.00	ETECH4-C, ETECH4-L, ETECH4-M	
ETECH6-C	Electronics Fundamentals and Digital Technology, Lec.	3		3.00		3.00	ETECH3-C, ETECH3-L, ETECH3-M	
ETECH6L-C	Electronics Fundamentals and Digital Technology Lab		3		9.00	9.00	ETECH3-C, ETECH3-L, ETECH3-M	
GEC8-C	Ethics	3		3.00		3.00		
PROFED10-C	Foundation of Special and Inclusive Education	3		3.00		3.00	PROFED4-C	
PROFED11-C	Curriculum Development and Evaluation	3		3.00		3.00	PROFED3-C, PROFED6-C, PROFED4-C	PROFED12-C
PROFED12-C	Assessment in Learning 2	3		3.00		3.00	PROFED7-C	
PROFED9-C	Methods of Research	3		3.00		3.00	PROFED7-C	
TOTAL		21	6	27	21	18	39	

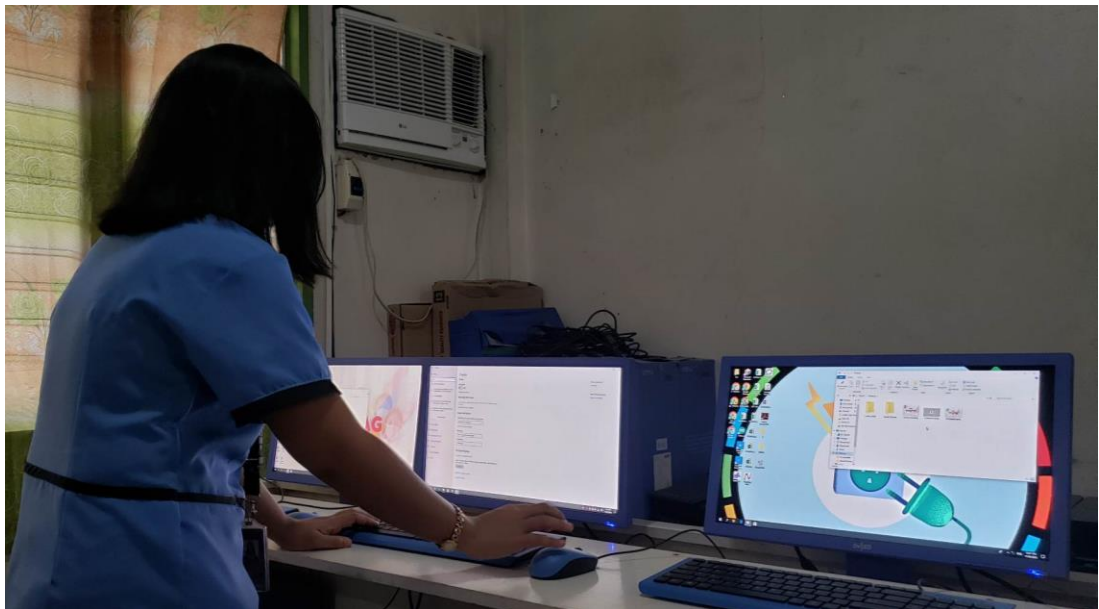
3rd Year	2nd Semester	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
BET6-C	Technopreneurship	3		3.00		3.00		
ETECH7-C	Industrial Electronics and Processes Lec	3		3.00		3.00	ETECH6-C, ETECH6-L, ETECH6-M	
ETECH7L-C	Industrial Electronics and Processes Lab		3		9.00	9.00	ETECH6-C, ETECH6-L, ETECH6-M	
GEC3-C	The Contemporary World	3		3.00		3.00		
GEM14-C	Life and Works of Rizal	3		3.00		3.00		
PROFED13-C	Statistics for Educational Research	3		3.00		3.00	PROFED9-C	
PROFED15-C	Andragogy of Learning Including Principles of Trainers Methodology	3		3.00		3.00	PROFED3-C, PROFED4-C	
SEM1-C	Seminar in Technology and Livelihood Education for Teachers	3		3.00		3.00		
SEM2-C	Seminar in General Education For Teachers	3		3.00		3.00		
TOTAL		24	3	27	24	9	33	

3rd Year	SUMMER	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
SIT	Supervised Industrial Training (240 hours)		3		3.00	3.00		
TOTAL		0	3	3	0	3	3	

4th Year	1st Semester	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
GEE11A-C	Environmental Science and Engineering	3		3.00		3.00		
GEE12C-C	Gender and Society	3		3.00		3.00		
GEE13B-C	Philippine Popular Culture	3		3.00		3.00		
IPT-C	In-Campus Practice TEaching	6		6.00		6.00	PROFED4-C, PROFED11-C, PROFED10-C	
PROFED14-C	Thesis Writing	3		3.00		3.00	PROFED13-C	
PROFED16-C	Work-Based Learning with Emphasis on Trainers Methodology	3		3.00		3.00	PROFED15-C	
SEM3-C	Seminar in Professional Education for Teachers	3		3.00		3.00		
TOTAL		24	0	24	24	0	24	

4th Year	2nd Semester	Units		Hours		Total Prerequisite Hours	Prerequisite	Co-requisite
		Lec	Lab	Lec	Lab			
OPT-C	Practice Teaching		9		9.00	9.00	IPT-C	
TOTAL		0	9	9	0	9	9	


SARAH JANE D. VELOS
 Campus Registrar



Pictures showing application of the theories to real problems in the field.