

	<b>EASTERN VISAYAS STATE UNIVERSITY</b> Tacloban City		
	Title of Form: <b>CURRICULUM CHECKLIST</b>	Control No.	EVSU-ACA-F-0006
		Revision No.,	00
		Date	November 6, 2019

BINDTECH  
 Bachelor of Industrial Technology  
 Implemented first Semester AY 2024-2025  
 Based on CMO No. 13 S. 2023  
 Approved by BOR with Resolution No. 2024-031

**BACHELOR OF INDUSTRIAL TECHNOLOGY**  
**MAJOR IN HEATING, VENTILATING, AIRCONDITIONING AND REFRIGERATION TECHNOLOGY**  
 (Effective A.Y. 2024-2025)

FIRST YEAR  
 First Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT113	Occupational Safety and Health	3	0	3	NONE
			HVACRT133	Fundamentals of HVACR	2	3	3	NONE
			HVACRT153	Basic Refrigeration Principles and Components	2	3	3	NONE
			HVACRT173	HVACR Tools and Equipment	2	3	3	NONE
			TECH 112	Industrial Drawing	1	3	2	NONE
			GEN. ED. 004	Mathematics in the Modern World	3	0	3	NONE
			P.E. 112	Movement Competency Training (PATHFIT 1)	2	0	2	NONE
			NSTP 113	CWTS, LTS, MTS/ROTC	3	0	3	NONE
SUB TOTAL:					18	12	22	

FIRST YEAR  
 Second Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT123	Electrical Fundamentals and RAC Circuitry	2	3	3	HVACRT 133
			HVACRT143	Domestic RAC and Retrofitting Processes	2	3	3	HVACRT 133 HVACRT 153
			HVACRT163	Welding and Brazing Processes	2	3	3	HVACRT 153
			MSC 001	Comprehensive Mathematics	5	0	5	
			MSC 002	Chemistry for Industrial Technologists	2	3	3	
			TECH 123	Introduction to Information Technology	2	3	3	NONE
			GEN. ED. 002	Understanding the Self	3	0	3	
			P.E 122	Fitness Training (PATHFIT 2)	2	0	2	PE 112
			NSTP 123	CWTS, LTS, MTS/ROTC	3	0	3	NSTP 1
SUB TOTAL:					23	15	28	

SECOND YEAR  
First Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT213	Split Type Air Conditioning System	2	3	3	HVACRT 153
			HVACRT233	Package Type Air Conditioning System	2	3	3	HVACRT 153
			HVACRT253	Heat Pumps Fundamentals and Installation	2	3	3	HVACRT 133 HVACRT 153
			TECH 213	Computer Programming	2	3	3	
			MSC 003	Physics for Industrial Technologists	2	3	3	
			GE EL 001	Indigenous Creative Crafts	3	0	3	
			GEN. ED. 006	Ethics	3	0	3	
			P.E 212	Dance, Sport, Martial Arts, Group Exercises, Outdoor and Adventure Activities (PATHFIT 3)	2	0	2	PE 122
			GEN. ED. 008	Science, Society and Technology	3	0	3	
SUB TOTAL:					21	15	26	

SECOND YEAR  
Second Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT223	Cold Storage Operations	2	3	3	HVACRT 133 HVACRT 153
			HVACRT243	Auxiliary Equipment Operations, Service, and Installation	2	3	3	HVACRT 143
			HVACRT263	Commercial Refrigeration Equipment Operations	2	3	3	HVACRT 153 HVACRT 133
			HVACRT 202	Educational Tour/Field Trip	2	0	2	
			GEN.ED.005	Art Appreciation	3	0	3	
			GEN.ED.007	The Contemporary World	3	0	3	
			TECH 223	Materials Technology Management	3	0	3	
			TECH 243	Quality Control and Assurance	3	0	3	
			P.E. 222	Dance, Sport, Martial Arts, Group Exercises, Outdoor and Adventure Activities (PATHFIT 4)	2	0	2	PE 212
SUB TOTAL:					22	9	25	

THIRD YEAR  
First Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT 313	Project Study 1 with Intellectual Property Rights	2	3	3	
			HVACRT 333	Automotive Air Conditioning System	2	3	3	HVACRT 243
			HVACRT 353	Transport Refrigeration System	2	3	3	HVACRT 263
			TECH 313	Industrial Organization and Management	3	0	3	
			TECH 333	Industrial Psychology	3	0	3	
			GE EL 002	Living in IT Era	3	0	3	
			GEN ED 003	Reading in the Philippine History	3	0	3	
			TECH 353	Foreign Language	3	0	3	
			Rizal 001	Rizal's Life and Works	3	0	3	
SUB TOTAL:					24	9	27	

THIRD YEAR  
Second Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HOURS/WEEK		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT 323	Project Study 2	2	3	3	HVACRT 313
			HVACRT 343	Air Handling Equipment and Ductwork System Design	2	3	3	HVACRT 263
			HVACRT 363	Load Calculation and Estimates	2	3	3	
			HVACRT 383	Industrial RAC System Troubleshooting, Repair and Maintenance	2	3	3	HVACRT 133 HVACRT 173
			TECH 323	Technopreneurship	3	0	3	3 <sup>RD</sup> YEAR STANDING
			TECH 343	Production Management	3	0	3	
			GE EL 003	Gender & Society	3	0	3	
			GEN. ED. 001	Purposive Communication	3	0	3	
			DRRM 113	Disaster Risk Reduction and Management	3	0	3	
SUB TOTAL:					23	12	27	

FOURTH YEAR  
First Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	TOTAL NO. OF HOURS		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVACRT 416	Student Internship Program 1	0	600	6	Completed Academic Requirements
SUB TOTAL:						600	6	

FOURTH YEAR  
Second Semester

GRADE			COURSE NO.	DESCRIPTIVE TITLE	TOTAL NO. OF HOURS		UNITS	PRE-REQUISITE
					LEC	LAB		
			HVCART 426	Student Internship Program 2	0	600	6	HVACRT 416
SUB TOTAL:						600	6	

## CMO No. 20 S. 2013 (General Education Elective Courses)

Arts and Humanities	Social Science and Philosophy	Mathematics, Science and Technology
Indigenous Creative Crafts	Gender & Society	Living in IT ERA

## CMO No. 39 S. 2021 (Physical Activity towards Health and Fitness (PATHFIT) Courses)

PATHFIT Courses	Descriptive Title
PE 112 (1)	Movement Competency Training
PE 122 (2)	Fitness Training
PE 212 (3)	Dance, Sports, Martial Arts, Group Exercises, Outdoor & Adventure Activities
PE 222 (4)	Dance, Sports, Martial Arts, Group Exercises, Outdoor & Adventure Activities

SUMMARY BACHELOR OF INDUSTRIAL TECHNOLOGY (BINDTECH-HVACRT)	
Classification/Field	Total No. of Units
<b>I. TECHNICAL COURSES</b>	
A. Mathematics and Science Courses	11
B. Applied Courses	29
C. Professional Courses	74
<b>Sub-total:</b>	<b>114</b>
<b>II. NON-TECHNICAL COURSES</b>	
A. Required General Education Courses	24
B. General Education Electives	9
C. Mandated Course	6
D. Physical Education	8
E. National Service Training Program	6
<b>Sub-total:</b>	<b>53</b>
<b>GRAND TOTAL:</b>	<b>167</b>

Submitted by:

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**BERNARD NIÑO Q. MEMBREBE, MDM**

Dean, College of Technology

Approved by:

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