

SCHOOL OF ENGINEERING AND TECHNOLOGY Bachelor of Science in Industrial Technology Major in Automotive Technology *Ladderized* BOT Res. no.24-H, s. 2020 Effective First Trimester A.Y. 2020-2021

Name:

ConWorld

The Contemporary World

GRADES	SUBJECT	DESCRIPTIVE TITLE	U	NITS	НО	URS	CREDIT	PREREQUISITE	CO-
GRADES	CODE	DESCRIPTIVE TITLE	LEC	LAB	LEC	LAB	UNITS	PREREQUISITE	REQUISITE
FIR	ST YEAR	First Trimester							
	NSTP 1	National Service Training Program 1 (ROTC/CWTS/LTS)	3	0	4.5	0	3	None	
	PATH FIT 1	Movement Competency Training	2	0	3	0	2	None	
	AT111	Mechanical Workshop Practice	2	1	3	4.5	3	None	
	AT 112	Basic Electronics	2	1	3	4.5	3	None	
	AT 113	Internal Combustion Engine (Gas & Diesel)	2	1	3	4.5	3	None	
	Drwg 1	Fundamentals of Drawing.	1	1	1.5	4.5	2	None	
	-	-	12	4	18	18	16	None	
		Second Trimester							
	NSTP 2	National Service Training Program 2 (ROTC/CWTS/LTS)	3	0	4.5	0	3	NSTP 1	
	PATH FIT 2	Fitness Training	2	0	2	0	2	PATH FIT 1	
	SocSci 11	Understanding the self	3	0	4.5	0	3	None	
	COMP1	Computer Fundamentals with Excel and Power point	3	0	4.5	0	3	None	
	AT 121	Machine Shop Technology	2	1	3	4.5	3	AT 111	
	NCE	NMSCST's Culture of Excellence	3	0	4.5	0	3	None	
	Drwg 2	Project design	1	1	1.5	4.5	2	Drwg. 1	
			17	2	24.5	9	19	None	
		Third Trimester							
	PATH FIT 3	Dance/Sports/Group Exercises 1	2	0	3	0	2	PATH FIT 2	
	Hist 11	Readings in Philippine history	3	0	4.5	0	3	None	
	AT 211	Power Flow and Chassis Unit	2	1	3	4.5	3	AT 113	
	*MATH 121	Plane Trigonometry	3	0	4.5	0	3	None	
	*CHEM11	General Chemistry	3	1	4.5	4.5	4	None	
	Research 101	Introduction to Research	3	0	4.5	0	3	None	
	Drwg 3	Basic CAD	1	1	1.5	4.5	2	Drwg 2	
			17	3	25.5	13.5	20	None	
SECO	OND YEAR	First Trimester							
	1	Dance2/ Sports2/ Group Exercises 2	2	0	3	0	2	PATH FIT 3	
			•		4.5		<u>^</u>		

3

0

4.5

0

3

None

A	AT 212	Applied Mechanics	2	0	3	0	2	AT 121	
A	AT 213	Driving with Traffic Rules and Regulation	1	2	1	9	3	Second year st	atus
C	CHEM12	Inorganic Chemistry	2	1	3	4.5	3	CHEM11	
C	COMP2	Programming with Arduino	3	0	4.5	0	3	COMP 1	
C	Drwg 4	Advanced CAD	1	1	1.5	4.5	2	Drwg 3	
			14	4	20.5	18	18		

	Second Trimester								
Hum 11	Art Appreciation	3	0	4.5	0	3	None		
MMW	Mathematics in the Modern World	3	0	4.5	0	3	None		
Ethics	Ethics	3	0	4.5	0	3	None		
AT 221	Electropneumatics and Hydraulics	3	1	4.5	4.5	4	AT 212		
* PHYSICS	1 Mechanics and Heat	2	1	3	4.5	3	CHEM 11&12		
Rizal	Life and Works of Rizal	3	0	4.5	0	3	None		
			2	25.5	9	19			

	Third Trimester								
PurComm	Purposive Communication	3	0	4.5	0	3	None		
STS	Science, Technology and Society	3	0	4.5	0	3	None		
AT 222	Digital Electronics	2	1	3	4.5	3	AT 112		
PHYSICS2	Electricity, Magnetism, Lights and Sounds	2	1	3	4.5	3	Physics 1		
JEEP 1	Job Enabling English Proficiency-Start	3	0	4.5	0	3	None		
MATH 211	Analytic Geometry	3	0	4.5	0	3	MATH 121		
		16	2	24	9	18			

Students can receive a Diploma in Automotive Technology and obtain NC I and II (Auto Servicing), NCII Driving, and NC I SMAW after completing all the requirements per subject.

THIRD YEAR	First Trimester							
PICPS	Phil Indigenous Communities & Peace Studies	3	0	4.5	0	3	None	
AT 311	Automotive Airconditioning Unit	2	1	3	4.5	3	Second year status	
AT 312	Basic Machine Elements	2	1	3	4.5	3	Third year status	
AT 313	Programmable Logic Controller	3	1	4.5	4.5	4	AT 221 & 222	
MATH221	Solid Mensuration	3	0	4.5	0	3	Math 211	
JEEP 2	Job Enabling English Proficiency-Accelerate	3	0	4.5	0	3	JEEP 1	
RES 221	Methods of Research	3	0	4.5	0	3	Research 101	
		19	3	28.5	13.5	22		

	Second Trimester	-	-	-	-	-	_	
EnviSci	Environmental Science	3	0	4.5	0	3	None	
GAS	Gender and Society	3	0	4.5	0	3	None	
AT 314	Project Development	3	0	4.5	0	3	Third year status	
GIS	Geographic Information System	1	2	1.5	9	3	Second year status	
INDTECH 321	Industrial Economics	3	0	4.5	0	3	Third year status	
TechnPre	Technopreneurship	3	0	4.5	0	3	None	
IT 3	Seminar and Fieldtrip	1	0	1.5	0	1	Third year status	
		17	2	25.5	9	19		
	Third Semester							
AT 321	Automotive Electrical System Unit	2	1	3	4.5	3	AT 311	
AT 322	Industrial Controls	2	1	2	4.5	3	Third year status	
AT 323	Gas Metal Welding (MIG/TIG)	2	1	3	4.5	3	None	
AT 315	Thesis Writing	3	0	4.5	0	3	Res221	
INDTECH 322	Industrial Management and Operation	3	0	4.5	0	3	Third year status	
INDTECH 323	Quality Management System	3	0	4.5	0	3	Third year status	
	·	15	3	21.5	13.5	18		

FOU	RTH YEAR	First Trimester							
	AT 500	Supervised Industrial Training (500 hrs.)	0	24	0	500	8	Completed all the subjects until 3rd year Level	
			0	24	0	500	8		
FOU	RTH YEAR	Second Trimeste	er						
	AT 500	Supervised Industrial Training (500 hrs.)	0	24	0	500	8	Completed all the subjects until 3rd year Level	
			0	24	0	500	8		
FOU	RTH YEAR	Third Trimester							
	AT 500	Supervised Industrial Training (500 hrs.)	0	24	0	500	8	Completed all the subjects until 3rd year Level	
					0	500	8		

Students can receive a **Degree in Bachelor of Science in Industrial Technology major Automotive Technology** *Note : Subjects with asterisk (*) are not to be taken by the students graduated from STEM.*

Summary of Units

Technical	Courses	Credit Units
	Mathematics & Physical Science	e 22
	Allied Courses	36
	Professional Courses	73
Non -	Technical Courses	
	General Education Subjects	27
	GEC Electives	9
	Physical Education	8
	National Service Training Progr	a 6
Instituti	onal Requirements	
	JEEP 1	3
	JEEP 2	3
	NCE	3
	Research 101	3
		193