



BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
CURRICULUM PROGRAM OF STUDY
Effective SY 2018-2019*

Name of Student: _____ Student ID No: _____

Grade	Course Code	Course Description	Unit/s	Pre-requisite	Grade	Course Code	Course Description	Unit/s	Pre-requisite
FIRST YEAR									
FIRST SEMESTER					SECOND SEMESTER				
	GE-MMW	Mathematics in the Modern World	3			GE-PS	Palawan Studies	3	
	GE-Elect: ES	Environmental Science	3			GE-CW	The Contemporary World	3	
	GE-PH	Readings in Philippine History	3			GE-PC	Purposive Communication	3	
	ME 11	Mechanical Engineering Orientation	1			Math 12/L	Engineering Calculus 2	3/1	Math 11/L
	Math 11/L	Engineering Calculus 1	3/1			Phy 11/L	Physics for Engineers (Calculus Based)	3/1	Math 11/L C - Math 12/L
	Chem 11/L	Chemistry for Engineers	3/1			ED 2/L	Computer Aided Drafting	0/1	
	ED 1/L	Engineering Drawing and Plans	0/1			PATH Fit 2	Fitness Exercises	2	PATH Fit 1
	PATH Fit 1	Movement Enhancement (Basic Karate)	2			NSTP 2	CWTS/ROTC 2	3	NSTP 1
	NSTP 1	CWTS 1/ROTC 1	3			Total		23	
	Total		24						
SUMMER									
	GE-STC	Science, Technology and Society	3			GE-ET	Ethics	3	
	GE-LWR	Life and Works of Rizal	3	GE-PH		Total		9	
SECOND YEAR									
FIRST SEMESTER					SECOND SEMESTER				
	GE-AA	Art Appreciation	3			GE-Elect: EM	The Entrepreneurial Mind	3	
	GE-Elect: GS	Gender and Society	3			GE-UTS	Understanding the Self	3	
	Math 21	Differential Equations	3	Math 12/L		BES 2	Dynamics of Rigid Bodies	2	BES 1
	BES 1	Statics of Rigid Bodies	3	Math 12, Phy 11/L		BES 3	Mechanics of Deformable Bodies	3	BES 1
	ME 21	Thermodynamics 1	3	Phy 11/L		BES 4	Fluid Mechanics	3	ME 21
	EE 21/L	Basic Electrical Engineering	2/1	Math 12, Phy 11/L		ME 23	Thermodynamics 2	3	ME 21
	ME 22/L	Workshop Theory and Practice	0/1	Math 11, Phy 11/L		ME 24/L	Machine Shop Theory	0/2	ME 22
	Math 22	Engineering Data Analysis	3	Math 11		ECE 1/L	Basic Electronics	2/1	EE21/L
	PATH Fit 3	Dance and Sports (Combative Sports: Self Defense & Arnis)	2	PATH Fit 1		PATH Fit 4	Recreation	2	PATH Fit 1
	Total		24			Total		24	
THIRD YEAR									
FIRST SEMESTER					SECOND SEMESTER				
	Math 23 ME	Advanced Mathematics for M.E.	3	Math 21		ME 34/L	Control Engineering	2/1	ECE 1/L
	BES 5	Engineering Economics	3			ME 35/L	Computer Applications for M.E.	0/1	ICT 1/L
	BES 7	Technopreneurship 101	3			Res 01ME	Methods of Research for M.E.	3	Math 22
	ICT 1/L	Computer Fundamentals and Programming	0/1			ME 36	Refrigeration Systems	3	ME 31
	BES 23ME/L	Materials Science and Engineering for M.E.	2/1	BES 3, Chem 11/L		ME 37	Machine Design 1	3	ME 32/L, BES 3
	EE 32A/L	DC and AC Machineries	2/1	EE 21/L		ME 38/L	M.E. Laboratory 1	0/1	ME 23
	ME 30	Fluid Machineries	3	BES 4		ME Elect 1	Automotive Engineering	2	3rd year Standing
	ME 31	Heat Transfer	2	ME22/L		ME 39	Vibration Engineering	2	Math 21
	ME 32/L	Machine Elements 1	2/1	BES 2		BES 6	Engineering Management	2	
	ME 33	Combustion Engineering	2	ME 22/L		BOSH	Basic Occupational Safety and Hazards	3	3rd Year Standing
	Total		26			Total		23	
SUMMER									
	OJT	Plant Visits and On the Job Training (240 hrs)						0/2	3rd Year Standing
	Total							2	
FOURTH YEAR									
FIRST SEMESTER					SECOND SEMESTER				
	PS 1	ME Project Study 1	0/1	Res 01ME		PS 2	M.E. Project Study 2	0/1	PS 1
	ME 41	Aiconditioning and Ventilation Systems	3	ME 36		ME 47/L	Manufacturing and Industrial Processes with Plant Visits	1/1	ME 46/L
	ME 42/L	Power Plant Design with Renewable Energy	3/1	ME 30, ME 33		ME 48/L	M.E. Laboratory 3	0/2	ME 44/L
	ME 43/L	Machine Design 2	2/1	ME 37		MEP 1/L	Mechanical Engineering Problems 1	0/1	4th Year Standing
	ME 44/L	M.E. Laboratory 2	0/2	ME 38/L		MEP 2/L	Mechanical Engineering Problems 2	0/1	4th Year Standing
	ME 45	ME Laws, Ethics, Contracts, Codes and Standards	2	4th Year Standing		MEP 3/L	Mechanical Engineering Problems 3	0/1	4th Year Standing
	ME 46/L	Industrial Plant Engineering	3/1	C – ME 42/L		Total		8	
	ME Elect 2	Energy Engineering and Management	2	BES 6					
	Total		21						Total no. of units: 185

Note: The student can take the OJT if he/she passed 85% of the subjects in Third Year (40 units)
Professional Electives:

- 1 Automotive Engineering
- 2 Energy Engineering and Management
- 3 Heating, ventilating, Air-Conditioning and Refrigeration
- 4 Mechatronics Engineering

*BOR Resolution No. 62, s. 2019
Dated 3 July 2019