



EASTERN VISAYAS STATE UNIVERSITY

Tacloban City

Title of Form: **CURRICULUM CHECKLIST**

Control No. EVSU-ACA-F-006

Revision No. 00

Date November 6, 2019

COLLEGE OF ENGINEERING
MECHANICAL DEPARTMENT

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
BSME Curriculum Effective First Semester, SY 2025-2026

Per CMO No.97 Series of 2017

EVSU Board Resolution Number ____ Series of ____

First Year		First Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		
	GEN ED 001	Purposive Communication	3	0	3	NONE
	GEN ED 002	Understanding the Self	3	0	3	NONE
	EO 111	Orientation to Mechanical Engineering	1	0	1	NONE
	BOSH 113	Basic Occupational Safety and Health	3	0	3	NONE
	MGT 112	Engineering Management	2	0	2	NONE
	MATH 113	Calculus 1 (Differential Calculus)	3	0	3	NONE
	DRAW 111 D	Engineering Drawing**	0	3	1	NONE
	COMP 111 L	Computer Fundamentals and Programming for ME**	0	3	1	NONE
	PE 112	(PATHFIT) Movement Competency Training	2	0	2	NONE
	NSTP 113	CWTS, LTS, MTS (Naval and Air Force)	3	0	3	NONE
		TOTAL	20	6	22	26 hours

First Year		Second Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		
	GEN ED 003	Reading in Philippine History	3	0	3	NONE
	GEN ED 004	Mathematics in the Modern World	3	0	3	NONE
	GEC EL 001	Living in the IT Era	3	0	3	NONE
	ECON 123	Engineering Economics	3	0	3	NONE
	MATH 123	Calculus 2 (Integral Calculus)	3	0	3	MATH 113
	PHYS 125	Physics for Engineers**	3	6	5	MATH 113
	CHEM 123	Chemistry for Engineers	3	0	3	NONE
	CHEM 121 L	Chemistry for Engineers**	0	3	1	NONE
	PE 122	(PATHFIT) Fitness Training	2	0	2	PE 112
	NSTP 123	CWTS, LTS, MTS (Naval and Air Force)	3	0	3	NSTP 113
		TOTAL	26	9	29	35 hours

Second Year		First Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		

	GEN ED 005	Arts Appreciation	3	0	3	NONE
	GEN ED 006	Ethics	3	0	3	NONE
	GEC EL 002	The Entrepreneurial Mind	3	0	3	NONE
	MATH 213	Differential Equations	3	0	3	MATH 123
	CAD 211	Computer Aided Drafting**	0	3	1	DRAW 111D
	MECH 213	Statics of Rigid Bodies	3	0	3	MATH 123, PHYS 125
	ME 213	Thermodynamics 1	3	0	3	MATH 123, PHYS 125
	ME 211 L	Workshop Theory and Practice**	0	3	1	NONE
	PE 212	(PATHFIT) Dance Sports.	2	0	2	PE 112, PE 122
TOTAL			20	6	22	26 hours

Second Year		Second Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		
	GEN ED 007	The Contemporary World	3	0	3	NONE
	GEC EL 003	Environmental Science	3	0	3	NONE
	MECH 222	Dynamics of Rigid Bodies	2	0	2	MECH 213
	MATH 223	Advanced Mathematics for Mechanical Engineering	3	0	3	MATH 213
	ME 222	Heat Transfer	2	0	2	ME 213
	ME 243	Fluid Mechanics	3	0	3	ME 213
	ME 222 L	Machine shop Theory **	0	6	2	ME 221 L
	COMP 221 L	Computer Application for ME **	0	3	1	COMP 111 L
	PE 222	(PATHFIT) Group Exercises, Outdoor and Adventure Activities	2	0	2	PE 112, PE 122
TOTAL			18	9	21	27 hours

Third Year		First Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		
	GEN ED 008	Science, Technology and Society	3	0	3	NONE
	MECH 313	Mechanics of Deformable Bodies	3	0	3	MECH 222
	EDA 313	Engineering Data Analysis	3	0	3	MATH 123
	ME 333	Fluid Machineries	3	0	3	ME 243
	ME 353	Refrigeration System	3	0	3	ME 222
	ME 373	Thermodynamics 2	3	0	3	ME 213
	EE 313	Basic Electrical Engineering **	2	3	3	MATH 123, PHYS 125
TOTAL			20	3	21	23 hours

Third Year		Second Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		

	IE 303	Technopreneurship 101	3	0	3	NONE
	RIZAL 001	Rizal's Life and Works	3	0	3	NONE
	ME 323	Machine Elements **	2	3	3	MECH 222, DRAW 111 D
	ME 321	Methods of Research for Mechanical Engineering	1	0	1	EDA 213
	ME 342	Combustion Engineering	2	0	2	ME 223
	ME 362	Vibration Engineering	2	0	2	MATH 213
	ME 343	Air-conditioning and Ventilation Systems	3	0	3	ME 353
	ME 311 L	Mechanical Engineering Lab 1 **	0	3	1	ME 223
	EE 323	Basic Electronics **	2	3	3	EE 313
TOTAL			18	9	21	27 hours

Third Year		Summer			
Grades	Course No.	Descriptive Title	Minimum Number of Hours	Units	Pre-requisite
1.	ME 301	On the Job Training (OJT)	240	3	3rd year standing

Fourth Year		First Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		
	ME 412	ME Elective 1 (Design of Building & Piping System)	2	0	2	4th Year Standing
	ME 413	Control Engineering**	2	3	3	EE 323
	ME 432	Machine Design 1	3	0	3	ME 313
	ME 452	ME Laws, Ethics, Contracts, Codes and Industry	2	0	2	GEN ED 006
	ME 414	Power Plant Design with Renewable Energy **	3	3	4	ME 333
	ME 411 L	Mechanical Engineering Project Study 1 **	0	3	1	ME 321
	ME 412 L	Mechanical Engineering Lab 2 **	0	6	2	ME 311 L
	EE 413	DC and AC Machineries **	2	3	3	EE 323
	ME 473	Correlation Course for Mechanical Engineering I	3	0	3	4th Year Standing
TOTAL			17	18	23	35 hours

Fourth Year		Second Semester				
Grades	Course No.	Descriptive Title	Hours / Week		Units	Pre-requisite (Co-requisite)
			Lec	Lab		

	ME 423	Material Science and Engineering for Mechanical Engineering **	2	3	3	MECH 313 / CHEM 113 & CHEM 111 L
	ME 424	Industrial Plant Engineering **	3	3	4	ME 382, ME 473
	ME 421 L	Mechanical Engineering Project Study 2 **	0	3	1	ME 411 L
	ME 412 L	Mechanical Engineering Lab 3 **	0	6	2	ME 412 L
	ME 422	ME Elective 2 (Mechatronics)	2	0	2	4th Year Standing
	ME 442	Machine Design 2**	2	3	3	ME 432
	ME 443	Manufacturing and Industrial Process with Plant Visit **	1	3	2	4th Year Standing
	ME 463	Correlation Course for Mechanical Engineering II	3	0	3	ME 473
	TOTAL		13	21	20	34 hours

Table 1. SUMMARY OF THE BSME CURRICULUM AS COMPARED TO THE CHED MINIMUM REQUIREMENTS

Classification Field / Course	Minimum Requirements in CHED MEMO '97			EVSU BSME CURRICULUM		
	NO. OF UNITS		TOTAL	NO. OF UNITS		TOTAL
	LEC.	LAB.		LEC.	LAB.	
I. TECHNICAL COURSES						
A. Mathematics	12	0	12	12	0	12
B. Natural / Physical Science	6	6	8	6	9	9
C. Basic Eng'g Sciences	16	9	19	16	9	19
D. Allied Courses	6	9	9	6	9	9
E. Fundamental Course	39	33	50	39	33	50

F. Professional Courses	13	21	20	13	21	20
G. Technical Elective	4	0	4	4	0	4
TOTAL (TECHNICAL COURSES)	96	78	122	96	81	123
II. NON-TECHNICAL COURSES						
A. General Education Courses	24	0	24	24	0	24
B. Gen Ed Elective Courses / Mandated Course	12	0	12	12	0	12
C. PE and NSTP	14	0	14	14	0	14
III. ON-JOB-TRAINING (240 Hrs. Minimum Rendition)	-	-	-	-	-	3
TOTAL (NON – TECHNICAL COURSES)	50	0	50	50	0	53
IV. ADDITIONAL COURSE SUBJECT						
A. Correlation Course for Mechanical Engineering I, & II	-	-	-	6	0	6
TOTAL (ADDITIONAL COURSES/SUBJECTS)	-	-	-	6	0	6
GRAND TOTAL	146	78	172	152	81	182

Prepared By:

Noted By:

ENGR.GIL M. DAGTA, MEng'g, PME.

Head, Mechanical Department

VINYL H. OQUIÑO, Ph.D.

Dean, College of Engineering