

Curriculum BS Mechanical Engineering

I. Technical Courses		
a. Mathematics		17 units
Math 0	Foundation Mathematics	3
Math 1	Calculus 1	4
Math 2	Calculus 2	4
Math 3	Differential Equations	3
Math 4	Engineering Data Analysis	3
b. Natural/Physical Sciences		8 units
Chem Lec	Chemistry for Engineers	3
Chem Lab	Chemistry for Engineers Lab	1
Phys Lec	Physics for Engineers	3
Phys Lab	Physics for Engineers Lab	1
c. Basic Engineering Sciences		20 units
BES-CAD	Computer-aided Drawing	1
CpE 211	Computer Fundamentals and Programming	2
Mech 211	Statics of Rigid Bodies	3
Mech 222	Dynamics of Rigid Bodies	2
Mech 223	Mechanics of Deformable bodies	3
BES-Eeco	Engineering Economics	3
BES-Draw	Engineering Drawing	1
Emgt	Engineering Management	2
Tech	Technopreneurship 101	3
d. Allied Courses		9 units
EE 214 Lec	Basic Electrical Engineering	2
EE 214 Lab	Basic Electrical Engineering Lab	1
ECE 310 Lec	Basic Electronics	2
ECE 310 Lab	Basic Electronics Lab	1
EE 325 Lec	DC and C Machinery	2
EE 325 Lab	DC and Machinery Lab	1
e. Fundamental Mechanical Engineering Courses		54 units
ME Ortn	Orientation to ME	1
Math 5	Advanced Mathematics for ME	3
MR	Methods of Research for ME	3
Mech 224	Fluid Mechanics	3
ME 232 Lec	Machine Elements	2
ME 232 Lab	Machine Elements Lab	1
ME 224 Lec	Materials Science & Engineering for ME	2
ME 224 Lab	Materials Science & Engineering for ME Lab	1
Thermo 1	Thermodynamics 1	3
Thermo 2	Thermodynamics 2	3
ME 316	Combustion Engineering	3
ME 221	Heat Transfer	3
ME Lab 1	Mechanical Engineering Lab 1	1
ME Lab 2	Mechanical Engineering Lab 2	2

ME 4111 Lec	Manufacturing & Industrial Processes w/ Plant Visits	1
ME 4111 Lab	Manufacturing & Industrial Processes w/ Plant Visits Lab	1
BOSH	Basic Occupational Safety and Health	3
ME Shop 1	Workshop Theory and Practice	1
ME Shop 2	Machine Shop Theory	2
EE 334 Lec	Control Engineering	2
EE 334 Lab	Control Engineering Lab	1
Mech 315	Fluid Machineries	3
ME 315	Refrigeration Systems	3
ME 326	Air-conditioning and Ventilation Systems	3
ME 233	Vibration Engineering	1
CPE 232	Computer Applications for ME	1
f. Professional Mechanical Engineering Courses		26 units
ME 314	Machine Design 1	3
ME 329 Lec	Machine Design 2	3
ME 329 Lab	Machine Design 2 Lab	1
ME Lab 3	Mechanical Engineering Lab 3	2
ME 4110 Lec	Industrial Plant Engineering	3
ME 4110 Lab	Industrial Plant Engineering Lab	1
ME 328 Lec	Power Plant Design with Renewable Energy	3
ME 328 Lab	Power Plant Design with Renewable Energy Lab	1
ME Laws	ME Laws, Ethics, Contracts, Codes and Standards	2
ME PS 1	ME Project Study 1	1
ME PS 2	ME Project Study 2	1
OJT	On-the-Job Training	5
g. Elective Courses		13 units
ME Elec 1	Mechanical Engineering Elective 1	2
ME Elec 2	Mechanical Engineering Elective 2	2
SP 1	Special Topics on Mathematics and Machine Design	3
SP 2	Special Topics on Steam Power Engineering	3
SP 2	Special Topics on Industrial Engineering	3
II. Non-technical courses		
a. Required General Education Courses		24 Units
GES-STC	Science, Technology and Society	3
GES-TCW	The Contemporary World	3
GES-RPH	Readings in Philippine History	3
GES-UTS	Understanding the Self	3
GES-Art	Art Appreciation	3
GES-PCom	Purposive Communication	3
GEC-Math	Mathematics for the Modern World	3
GEC-Ethics	Ethics	3
b. GEC Electives		12 units
BSC 1	Being Skills Course 1	1.5
BSC 2	Being Skills Course 2	1.5
EPC	English Proficiency Course	3

FL	Foreign Language	3
Rizal	Life and Works of Rizal	3
c. Physical Education		8
PE 1	Physical Fitness and Gymnastics	2
PE 2	Rhythmic Activities	2
PE 3	Individual/Dual Sports	2
PE 4	Team Sports/Recreation	2
d. National Service Training Program		6
NSTP 1	National Service Training Program 1	3
NSTP 2	National Service Training Program 2	3
GRAND TOTAL		178
ME Electives		
	Solar Energy and Wind energy Utilization	
	Micro-Hydro-Electric Power	



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