

SAINT PETER'S COLLEGE
Iligan City
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
STARTING SCHOOL YEAR 2020-2021

FIRST YEAR

FIRST SEMESTER						
			HRS LEC	HRS LAB	CDT UNITS	PREREQ
GEC	1	Understanding the Self	3	0	3	None
GEC	2	Reading in Phil. History	3	0	3	None
GEC	3	Contemporary World	3	0	3	None
EM	1	Calculus 1	3	0	3	None
Chem	1	Chemistry for Engr's (lec)	3	0	3	None
Chem	1.1	Chemistry for Engr's (lab)	0	3	1	None
BES	1.1	Eng'g Drawing	0	3	1	None
ME	101	Mechanical Eng'g Orientation	1	0	1	None
PE	1	Path Fit 1	2	0	2	None
NSTP	1	National Service Training Program 1	0	3	3	None
IEM	A	Eng'g Tutorial Math	2	0	2	
Total			18	11	25	

SECOND SEMESTER						
			HRS LEC	HRS LAB	CDT UNITS	PREREQ
GEC	4	Math in Modern World	3	0	3	None
GEC	5	Purposive Communication	3	0	3	None
GEC	6	Arts Appreciation	0	0	3	None
EM	2	Calculus 2	3	0	3	EM1
Phys	1	Physics for Engineers (lec)	3	0	3	EM1/Co-EM2
Phys	1.1	Physics for Engineers (lab)	0	3	1	EM1/Co-EM2
BES	2.1	Computer Aided Design	0	3	1	BES 1.1
PE	2	Path Fit 2	2	0	2	None
NSTP	2	National Service Training Program 2	0	3	3	NSTP1
IEM	B	Eng'g Tutorial Math	2	0	2	
Total			14	11	24	

SECOND YEAR

GEC	7	Science, Technology & Society	3	0	3	None
GEC	10	History of Muslim Filipinos IPs of Mindanao	3	0	3	None
EM	4	Differential Equations	3	0	3	EM2
BES	5	Computer Fundamentals & Prog.	0	3	1	BES 2.1
BES	3	Statics of Rigid Bodies	3	0	3	EM2/Phys1
AEE	1	Basic Elect'l Eng'g	2	3	3	EM2/Phys1
ME	202	Workshop Theory & Practice	0	6	2	BES 2.1
ME	203	Thermodynamics 1	3	0	3	EM2/Phys1
PE	3	Path Fit 3	2	0	2	None
BES	9	Engineering Management	2	0	2	None
Total			19	14	25	

AEE	2	DC & AC Mach(Energy Conv.)	2	3	3	AEE 1
EM	3	Eng'g Data Analysis	3	0	3	EM 1
BES	4	Dynamics of Rigid Bodies	3	0	3	BES 3
BES	7	Engineering Economics	3	0	3	None
AECE	1	Basic Electronics	2	3	3	AEE 1
ME	204	Thermodynamics 2	3	0	3	ME 203
ME	205	Machine Shop Theory & Prac	0	6	2	ME 202
ME	206	Adv Eng'g Mathematics for ME	3	0	3	EM 4
PE	4	Path Fit 4	2	0	2	None
Total			19	14	25	

THIRD YEAR

BES	14	Mechanics of Deformable Bodies	3	0	3	BES 3
ME	313	Combustion Engineering	2	0	2	ME 204
ME	314	ME Laboratory 1	0	6	2	ME 204
ME	307	Heat Transfer	3	0	3	ME 204
ME	308	Fluid Mechanics	3	0	3	ME 203 /BES 4
ME	309	Machine Elements	3	3	4	BES 4
ME	310	Vibration Engineering	2	0	2	EM 4
ME	311	Computer Application for ME	1	3	2	BES 5
GEC	8	Ethics	3	0	3	None
ME	312	Methods of Research for ME	1	0	1	EM 3
Total			21	12	25	

BES	11	Technopreneurship 101	3	0	3	3 rd yr
ME	315	Refrigeration Systems	3	0	3	ME 307
ME	316	Fluid Machinery	3	0	3	ME 308
ME	317	Mat Sci & Eng'g for ME	2	3	3	BES 147 / Chem 1
PME	1	ME Project Study 1	0	3	1	ME 312
ME	318	ME Laboratory 2	0	6	2	Co-ME 317
GEC	11	Language, Gender and Society	3	0	3	None
ME Elec	1	ME Elective 1	3	0	3	3 rd yr
PME	2	Machine Design 1	3	3	4	ME 309
Total			20	15	25	

SUMMER

		HRS LEC	HRS LAB	CDT UNITS	PREREQ
GEC 9	Life & Works of Rizal	3	0	3	None
GEC 12	Ecocritism and Conservation of Nature	3	0	3	None
ME Elec 2	ME Elective 2	3	0	3	ME Elec 1


FOURTH YEAR

PME	3	ME Laws, Ethics, Contracts	3	0	3	GEC 8
ME	419	Air conditioning & Ventilation	3	0	3	ME 313
ME	420	Control Engineering	2	0	2	AECE 1
ME	421	Control Engineering Laboratory	0	3	1	AECE 1
PME	4	Power Plant Design with Ren. Ener.	3	3	4	ME 315
ME	422	Basic Occupational Safety & Health	3	0	3	4 th yr
PME	5	ME Project Study 2	0	3	1	PME 1
PME	6	Machine Design 2	3	3	4	PME3
PME	7	ME Laboratory 3	0	6	2	PME 2
Total			17	18	23	

ME	423	Manufa. & Indus. Process	2	0	2	Grad.
PME	8	Industrial Plant Eng'g w/ Plant Visit	3	3	4	ME419
ME	424	On the Job Training (240 hours)	3	0	3	
Total			8	3	9	

ME Elective - **Energy Engineering & Management** (Solar Energy, Wind Energy Utilization/Alternative Energy Resource/Micro Hydro Electric Power/Energy Management Industry/)
Computers and Computational Science (Finite Element Method/Computational Fluid Dynamics/Computer Aided Design and Manufacturing)

I.D. NO. SURNAME GIVEN NAME M.I.


Jose O. Cabili, MSME
Chairman – ME

Rosalinda C. Balacuit, MSMetE
Dean – COE

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