

**SAINT PETER'S COLLEGE**  
Iligan City  
**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**  
STARTING SCHOOL YEAR 2018-2019

**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	Physical Education 1	0	2	2	None
NSTP	1	ROTC1/CWTS1	0	3	3	None
IEM	A	Eng'g Tutorial Math	2	0	2	
<b>Total</b>			<b>18</b>	<b>11</b>	<b>25</b>	

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	ES 1
PE	2	Physical Education 2	0	2	2	None
NSTP	2	ROTC2/CWTS2	0	3	3	NSTP1
IEM	B	Eng'g Tutorial Math	2	0	2	
<b>TOTAL</b>			<b>14</b>	<b>11</b>	<b>22</b>	

**SECOND YEAR**

GEC	7	Science, Technology & Society	3	0	3	None
GEE	10	Gen. Educ. Elec. 1	3	0	3	None
EM	3	Differential Equations	3	0	3	EM2
ES	5	Computer Fundamentals & Prog.	0	3	1	ES 2
BES	3	Statics of Rigid Bodies	3	0	3	EM2NS2
AEE	1	Basic Elect'l Eng'g	2	3	3	EM2NS2
ME	202	Workshop Theory & Practice	0	6	2	ES 2
ME	203	Thermodynamics 1	3	0	3	NS2/EM2
PE	3	Physical Education 3	0	2	2	None
ES	6	Engineering Management	2	0	2	None
<b>TOTAL</b>			<b>19</b>	<b>14</b>	<b>25</b>	

AEE	2	DC & AC Mach (Energy Conv.)	2	3	3	EE 1
EM	4	Eng'g Data Analysis	3	0	3	EM 1
BES	4	Dynamics of Rigid Bodies	3	0	3	ES 4
ES	8	Engineering Economics	3	0	3	None
AECE	1	Basic Electronics	2	3	3	EE 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 3
PE	4	Physical Education 4	0	2	2	None
<b>TOTAL</b>			<b>19</b>	<b>14</b>	<b>25</b>	

**THIRD YEAR**

ES	7	Mechanics of Deformable Bodies	3	0	3	ES 4
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 /ES5
ME	309	Machine Elements	3	3	4	ES 5
ME	310	Vibration Engineering	2	0	2	EM 3
ME	311	Computer Application for ME	1	3	2	ES 3
GEC	8	Ethics	3	0	3	None
ME	312	Methods of Research for ME	1	0	1	EM 4
<b>Total</b>			<b>21</b>	<b>12</b>	<b>25</b>	

ES	9	Technopreneurship	3	0	3	4 <sup>th</sup> 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	ES 7/NS 1
PME	1	ME Project Study 1	0	3	1	ME 312
ME	318	ME Laboratory 2	0	6	2	ME 317
GEE	11	Gen. Educ. Elec. 2	3	0	3	None
ME Elec	1	ME Elective 1	3	0	3	3 <sup>rd</sup> yr
PME	2	Machine Design 1	3	3	4	ME 309
<b>Total</b>			<b>20</b>	<b>15</b>	<b>25</b>	

**SUMMER**

		CDT Units	Lec hrs.	Lab hrs.
GEC 9	Life & Works of Rizal	3		
GEE 12	Gen. Educ. Elec. 3	3		
ME Elec2	ME Elective 2	3		

**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	ECE 1
ME	421	Control Engineering Laboratory	0	3	1	
PME	4	Power Plant Design with Ren. Ener.	3	3	4	ME 315
ME	422	Basic Occupational Safety & Health	3	0	3	4 <sup>th</sup> 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
<b>Total</b>			<b>17</b>	<b>18</b>	<b>23</b>	

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	
<b>Total</b>			<b>8</b>	<b>3</b>	<b>9</b>	

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, MSMet**  
Dean – CoE

**Emma M. Magracia, PhD**  
EO Academic Affair