

SAINT PETER'S COLLEGE

Iligan City

CURRICULUM FOR FIVE-YEAR COURSE IN
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING (BSME)
 STARTING SCHOOL YEAR 2008-2009

FIRST YEAR

FIRST SEMESTER					SECOND SEMESTER					
			HRS	CDT			HRS	CDT		
			LEC	UNITS	PREREQ		LEC	UNITS	PREREQ	
EM	11	College Algebra	3	3	None	EM	13	3	Analytic Geometry	
EM	12	Plane & Spherical Trigonometry	3	3	None	EM	14	3	Advanced Algebra	
CHE	1	General Chemistry 1 Lec.	3	3	None	EM	15	2	Solid Mensuration	
CHE	1.1	General Chemistry 1 Lab.	0	1	None	SS	1	3	Phil. Gov't & New Const' w/ TLR	
ES	1	Engineering Drawing	0	1	None	EN	2	3	Writing in the Discipline	
EN	1	Study & Thinking Skills	3	3	None	FIL	2	3	Pagbasa at Pagsulat sa Iba't Ibang Disip.	
FIL	1	Sining ng Pakikipagtalastasan	3	3	None	P.E.	2	2	Martial Arts and Dances	
P.E.	1	Gymnastics and Health Development	2	2	None	NSTP2	2	3	ROTC 2/ CWTS 2	
NSTP	1	ROTC 1/ CWTS 1	3	3	None					
TOTAL UNITS						TOTAL UNITS				
				22						22
Math	A1	Remedial College Algebra (as required)	1.5	1.5						
Engl	A	English Plus(as required)	1.5	1.5						

SECOND YEAR

FIRST SEMESTER					SECOND SEMESTER					
			HRS	CDT			HRS	CDT		
			LEC	UNITS	PREREQ		LEC	UNITS	PREREQ	
EM	16	Differential Calculus	5	5	EM13,14,15	EM	17	5	Integral Calculus	
PHY	1	College Physics 1 Lec.	3	3	EM11,EM12	PHY	2	3	College Physics 2 Lec.	
PHY	1.1	College Physics 1 Lab.	0	1	EM11,EM12	PHY	2.1	1	College Physics 2 Lab.	
ME	0	Orientation to ME	1	1		ES	2.2	1	Computer Fund & Prog. 2 Lab.	
ES	2.1	Computer Fundamentals & Prog. 1 Lab.	0	1	EM11,EM12	SS	2	3	General Psychology w/ Values Form.	
EN	3	(Technical Communication)	3	3	EN2	SS	3	3	Hist. of Muslim Fil. & Indig. People	
HM	1	Art appreciation	3	3	None	EM	19	3	Probability & Statistics	
P.E.	3	Individual and Dual Sports	2	2	PE2	HM	3	3	Philosophy	
HM	2	Logic	3	3	None	P.E.	4	2	Team Sports	
TOTAL UNITS						TOTAL UNITS				
				22						24

THIRD YEAR

FIRST SEMESTER					SECOND SEMESTER					
			HRS	CDT			HRS	CDT		
			LEC	UNITS	PREREQ		LEC	UNITS	PREREQ	
EM	18	Differential Equations	3	3	EM17	ES	13	3	Dynamics of Rigid Bodies	
ES	3	Statics of Rigid Bodies	3	3	EM17,PHY1&1.1	ES	4	3	Mechanics of Deformable Bodies	
ME	1	Workshop Theory & Practice	0	2	ES 1,ME0	ME	2	2	Machine Shop Theory & Practice	
MEE	1	Basic Electrical Engineering (lec)	2	2	PHY2&2.1	ME	6	2	Machine Elements 2 (Lec)	
MEE	1.1	Basic Elect'l Eng'g (lab)	0	1	PHY2&2.1	ME	6.1	1	Machine Elements 2 (Lab)	
ME	5	Machine Elements 1 (Lec)	2	2	PHY2&2.1,ES2.1	ECE	1	2	Basic Electronics (Lec)	
ME	5.1	Machine Elements 1 (Lab)	0	1	PHY2&2.1,ES2.1	ECE	1.1	1	Basic Electronics (Lab)	
ME	3	Thermodynamics 1	3	3	EM17,PHY2&2.1	ME	4	3	Thermodynamics 2	
ES	9	Environmental Engineering	3	3	Chem 2 & 2.1	ES	5	3	Fluid Mechanics	
MES	1	Computer Aided Drawing (CAD)	0	1	EN3	MEM	1	3	Advance Eng'g Mathematics for ME	
SS	4	Sociology w/ Pop. Drug Educ.	3	3	None	ME	18A	1	Safety Management	
TOTAL UNITS						TOTAL UNITS				
				24						24

FOURTH YEAR

FIRST SEMESTER				HRS LEC	HRS LAB	CDT UNITS	PREREQ	SECOND SEMESTER				HRS LEC	HRS LAB	CDT UNITS	PREREQ
<input type="checkbox"/>	ME	8	M.E. Laboratory 1	0	6	2	ES5,ES5.1	<input type="checkbox"/>	ME	9	M.E. Laboratory 2	0	6	2	ME8
<input type="checkbox"/>	ME	13	Machine Design 1	3	0	3	ES4,ME6	<input type="checkbox"/>	ME	14	Machine Design 2	3	0	3	ME13
<input type="checkbox"/>	ME	12	Heat Transfer	3	0	3	ME4,EM18	<input type="checkbox"/>	ME	11R	Combustion Engineering	2	0	2	ME12
<input type="checkbox"/>	MMS	7	Materials Engineering (Lec.)	3	0	3	CHE2&2.1,ES3	<input type="checkbox"/>	ES	7	Engineering Economy	3	0	3	3rd Yr. Stand
<input type="checkbox"/>	MMS	7.1	Materials Engineering (Lab.)	0	3	1	CHE2&2.1,ES3	<input type="checkbox"/>	ME	15R	Refrigeration Systems	3	0	3	ME12
<input type="checkbox"/>	EE	4	DC & AC Mach (Energy Conv.) Lec.	3	0	3	MEE1	<input type="checkbox"/>	ME	19	Fluid Machinery	3	0	3	ES5,ES5.1
<input type="checkbox"/>	EE	4.1	DC & AC Mach (Energy Conv.) Lab.	0	3	1	MEE1	<input type="checkbox"/>	ME	32	ME Elective 2	3	0	3	4th Yr. Stand.
<input type="checkbox"/>	ME	31	ME Elective 1	3	0	3	4th Yr. Stand	<input type="checkbox"/>	ME	20	Vibration Engineering	2	0	2	EM18, ES13
<input type="checkbox"/>	RZL	1	Life & Works of Rizal	3	0	3	None	<input type="checkbox"/>	CAEM1	Advance CAD	0	3	1	3rd Yr Stand	
TOTAL UNITS				22			TOTAL UNITS				22				

		HRS LEC	HRS LAB	CDT UNITS	PREREQ
<input type="checkbox"/>	ME 501	0	240	3	ME 0, ME 18A
SUMMER					
Plant Visit / O.J.T					

FIFTH YEAR

FIRST SEMESTER				HRS LEC	HRS LAB	CDT UNITS	PREREQ	SECOND SEMESTER				HRS LEC	HRS LAB	CDT UNITS	PREREQ
<input type="checkbox"/>	ME	35	Method of Research for ME	1	0	1	5th Standing	<input type="checkbox"/>	ME	23R	Industrial Plant Engineering	3	0	3	ME24,ME22R
<input type="checkbox"/>	ME	16	Air Cond.& Ventilation System (lec)	3	0	3	ME15R	<input type="checkbox"/>	ME	27R	M.E. Laws, Ethics, Codes & Stds	3	0	3	5th Yr.
<input type="checkbox"/>	ME	16.1	Air Cond.& Ventilation System (lab)	0	3	1	ME15R	<input type="checkbox"/>	ME	28R	Power Plant Engineering (lec)	4	0	4	ME11R,ME19
<input type="checkbox"/>	ME	10	M.E. Laboratory 3	0	6	2	ME9	<input type="checkbox"/>	ME	28.1R	Power Plant Engineering (lab)	0	3	1	ME11R,ME19
<input type="checkbox"/>	ME	21	ME Project Study 1	0	3	1	ES7,ME6,ME19	<input type="checkbox"/>	ME	29	ME Project Study 2	0	3	1	ME21
<input type="checkbox"/>	ME	17	Instrumentation & Controls Eng'g Lec.	2	0	2	ECE1	<input type="checkbox"/>	ES	8	Engineering Management	3	0	3	ES7
<input type="checkbox"/>	ME	17.1	Instrumentation & Controls Eng'g Lab.	0	3	1	ECE1	<input type="checkbox"/>	ME	34	ME Elective 4	3	0	3	5th Yr. Stand
<input type="checkbox"/>	ME	22R	Industrial Processes	2	0	2	ME 18								
<input type="checkbox"/>	ME	33	ME Elective 3	3	0	3	5th Yr. Stand								
<input type="checkbox"/>	ME	18B	Safety Engineering For ME	2	0	2	5th Yr.Co:ME22R								
<input type="checkbox"/>	ME	24	Seminars & Plant Visits	0	3	1	5th Yr Stand								
TOTAL UNITS				19			TOTAL UNITS				18				
<input type="checkbox"/>	PERC1	Pre eng'g review course (Req'd for grad)		4			<input type="checkbox"/>	PERC 2	Pre eng'g review course (Req'd for grad.)		4				

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

Engr. J O Cabili
ME Chairman

Engr. M O Cabili
COE Dean

Mr. T M Mariquit
AEO-ACAF