



## BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Revised Curriculum, Effective Academic Year 2010-2011

CODE	DESCRIPTIVE TITLE	units	Pre-requisite
<b>1st Year, First Semester</b>			
Math 1	College Algebra	3	
Math 6	Plane & Spherical Trigonometry	3	
Chem 1E	General Chemistry 1 (Lec)	3	
Chem 1EL	General Chemistry 1 (Lab)	1	
Drawing	Engineering Drawing (Lab)	1	
Eng 1	Communication Arts in English 1	3	
Fil 1	Komunikasyon sa Akademikong Pilipino	3	
Hum 1	Art, Man and Society	3	
Orient 1	Orientation and College Life	(1)	
PE 1	Physical Fitness	(2)	
NSTP 1	ROTC/CWTS 1	(3)	
		<u>20/26</u>	
<b>1st Year, Second Semester</b>			
Math 3E	Advanced Algebra	2	Math 1
Math 4E	Analytic Geometry	2	Math 1, Math 6
Math 5E	Solid Mensuration	2	Math 1, Math 6
Physics 1E	Physics 1 (Lec)	3	Math 1, Math 6
Physics 1EL	Physics 1 (Lab)	1	Math 1, Math 6
Eng 2	Communication Arts in English 2	3	Eng 1
Fil 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	Fil 1
Orient 2	Orientation 2 and Group Dynamics	(1)	Orient 1
PE 2	Rhythmical Activities	(2)	PE 1
NSTP 2	ROTC/CWTS 2	(3)	NSTP 1
		<u>16/22</u>	
<b>2nd Year, First Semester</b>			
IE 01	Industrial Engineering Orientation 1	1	2nd year standing
IE_AC01	Financial Accounting	3	2nd year standing
Math 8E	Differential Calculus	4	Math 3E, Math 4E, Math 5E
BAES01	Computer Fundamentals and Programming (Lab)	2	2nd year standing
Physics 2E	Physics 2 (Lec)	3	Physics 1E, Physics 1EL
Physics 2EL	Physics 2 (Lab)	1	Physics 1E, Physics 1EL
Eng 3E	Technical Communication	3	Eng 2
PSY 1	General Psychology w/ HIV/Aids Education	3	
PE 3	Individual/Dual Sports	(2)	PE 2
		<u>20/22</u>	
<b>2nd Year, Second Semester</b>			
Prob Stat	Probability and Statistics	3	Math 3E
IE_AC 02	Managerial Accounting	3	IE_AC01
IE_AC 03	Principles of Economics	3	Math 3E
IE_AC 04	Elementary Electrical Engineering	3	Physics 2E, Physics 2EL
Math 9E	Integral Calculus	4	Math 8E
Hum 2	World Culture	3	Hum 1
Phil Hist	Philippine History	3	PSY 1
PE 4	Team Sports	(2)	PE 3
		<u>22/24</u>	
<b>3rd Year, First Semester</b>			
BAES02A	Computer Aided Drafting (Lab)	1	3rd year standing
BAES02	Engineering Economy	3	3rd year standing
IE 02	Industrial Materials and Processes (Lec, Lab)	3	3rd year standing
IE 03	Methods Study (Lec, Lab)	5	Math 3E, IE 02(co-requisite)
IE 04	Advanced Statistics	3	Math 3E



# SPCBA

SAN PEDRO COLLEGE OF BUSINESS ADMINISTRATION, INC.

Math 10E	Differential Equation	3	Math 9E
BAES03	Statics of Rigid Bodies	3	Physics 1E, Physics 1EL, Math 9E
		<u>21/21</u>	

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**3rd Year, Second Semester**

BAES04	Mechanics of Deformable Bodies	3	BAES03
IE 05	Work Measurement	3	IE 03
IE 06	Engineering Research Methodologies (Lec, Lab)	3	3rd year standing
IE 07	Operations Research 1	3	IE 03
IE 08	Advanced Mathematics for Industrial Eng'g	3	Math 9E
BAES05	Dynamics of Rigid Bodies	2	BAES03
		<u>17/17</u>	

**Summer**

IE Pract 1	IE Junior Practicum	2	
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**4th Year, First Semester**

BAES06	Engineering Management	3	4th year standing
BAES07	Environmental Engineering	2	Chem 1E, Chem 1EL
BAES08	Safety Management	1	4th year standing
IE 09	Ergonomics (Lec, Lab)	3	IE 05
IE 10	Operations Research 2	3	IE 07
IE 11	Production Systems	3	IE 05
IE 12	Industrial Quality Control	3	IE 02, IE 05
ELEC 1	Supply Chain Management	3	4th year standing
		<u>21/21</u>	

**4th Year, Second Semester**

IE 13	Computer Fundamentals w/ IE Application	3	4th year standing
IE 14	Marketing System	3	4th year standing
IE 15	Cognitive Engineering	3	IE 10
IE 16	Facilities Planning and Design	3	IE 12
Phil Gov	Philippine Government & Constitution	3	Phil Hist
ELEC 2	Industrial Finance	3	4th year standing
		<u>18/18</u>	

**Summer**

IE Pract 2	IE Senior Practicum	2	
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**5th Year, First Semester**

IE 17	Systems Engineering	3	5th year standing
IE 18	IE Orientation 2 with Engineering Ethics and Practice	2	IE 01
IE 19	Project Feasibility (Lec, Lab)	3	5th year standing
IE 20	Industrial Information System	3	5th year standing
IE_AC05	Thermodynamics	3	Physics 1E, Physics 1EL, Math 9E
ELEC 3	Total Quality Management	3	5th year standing
		<u>17/17</u>	

**5th Year, Second Semester**

IE 21	Strategic Planning	3	5th year standing
IE 22	Seminars and Fieldtrips	1	5th year standing
Soc Sci 4	Society and Culture and Family Planning	3	Phil Gov
Rizal	Life and Work of Rizal	3	
PHILO 1	Social Philosophy	3	Hum 2
ELEC4	Industrial Problems and Analysis	3	5th year standing
		<u>16/16</u>	