

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING
UNIVERSITY OF SAN JOSE-RECOLETOS
MAGALLANES ST., CEBU CITY
(Effective 1998-1999)

ID NO.	
NAME	
ADVISER	
BATCH NO.	

FIRST YEAR

FIRST SEMESTER

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
EM 112	Plane Trigonometry	3	0		3	None	None
EM 113	College Algebra	4	0		4	None	None
EPS 110	General Chemistry 1 lec	2	0		2	None	EPS 112
EPS 112	General Chemistry 1 lab	0	3		1	None	EPS 110
ES 110	Computer Orientation	1	0		1	None	None
DRAW 111	Engineering Drafting 1	0	6		2	None	None
ENGL 1	English Grammar & Composition 1	3	0		3	None	None
THEO 1	The Creed	3	0		3	None	None
PE 1	Physical Education 1	2	0		2	None	None
MS/CWTS 1	Military Science/Civic Welfare Training Service 1	3	0		3	None	None
					24		

FIRST YEAR

SECOND SEMESTER

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
EM 120	Analytic Geometry	3	0		3	EM 112, EM 113	None
EM 121	Solid Geometry & Mensuration	2	0		2	EM 112, EM 113	None
EM 122	Differential Calculus	4	0		4	EM 112, EM 113	EM 120
EPS 120	General Chemistry 2 lec	2	0		2	EPS 110, EPS 112	EPS 122
EPS 122	General Chemistry 2 lab	0	3		1	EPS 110, EPS 112	EPS 120
DRAW 121	Eng'g. Drafting 2 (CAD)	1	3		2	DRAW 111, ES 110	None
ENGL 2	English Grammar & Composition 2	3	0		3	ENGL 1	None
THEO 2	The Commandments & Morals	3	0		3	THEO 1	None
PE 2	Physical Education 2	2	0		2	PE 1	None
MS/CWTS 2	Military Science/Civic Welfare Training Service 2	3	0		3	MS/CWTS 1	None
					25		

SECOND YEAR

FIRST SEMESTER

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
EM 211	Integral Calculus	4	0		4	EM 120, EM 121, EM 122	None
EPS 211	Engineering Physics 1 lec	3	0		3	EM 113, EM 112, EPS 120, EPS 122	EPS 212
EPS 212	Engineering Physics 1 lab	0	3		1	None	EPS 211
ENGL 3e	Technical Report Writing	3	0		3	ENGL 2	None
THEO 3	The Bible	3	0		3	THEO 2	None
POLSCI 1	Phil. Gov't. & the New Constitution including Public Service	3	0		3	None	None
PSYCHO 1	General Psychology	3	0		3	None	None
PE 3	Physical Education 3	2	0		2	PE 2	None
					22		

SECOND YEAR

SECOND SEMESTER

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
EM 221	Differential Equations	3	0		3	EM 211	None
EM 223	Probability & Statistics for IE	3	0		3	EM 211	None
EPS 221	Engineering Physics 2 lec	3	0		3	EPS 211, EPS 212	EPS 222
EPS 222	Engineering Physics 2 lab	0	3		1	None	EPS 221
ECON 1	Principles of Economics	3	0		3	2 nd Year Standing	None
ENGL 3	Speech Improvements	3	0		3	ENGL 2	None
THEO 4	Sacraments	3	0		3	THEO 3	None
PE 4	Physical Education 4	2	0		2	PE 3	None
					21		

THIRD YEAR**FIRST SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
EM 311	Advanced Engineering Mathematics	3	0		3	EM 221	None
EE 311	Circuits 1 lec	3	0		3	EM 221, EPS 221, EPS 222	EM 311
MECH 311	Engineering Mechanics	5	0		5	EM 211, EPS 211, EPS 212	None
IE 311	Accounting Systems 1	3	3		4	3 rd Year Standing	None
IE 312	Material Science (Indt'. Mat.)	3	0		3	EPS 221 & EPS 222	None
IE 313	Advanced Statistics	3	0		3	EM 223	None
					21		

THIRD YEAR**SECOND SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
ES 213	Comp. Fundamentals & Prog.	2	3		3	ES 110, EM 211	None
MECH 322	Strength of Materials	3	0		3	MECH 311	None
IE 321	Operating Research 1	3	0		3	IE 313 & EM 311	None
IE 322	Accounting Systems 2	3	3		4	IE 311	None
IE 323	Methods Engineering	4	3		5	EM 223	None
IE 324	Industrial Processes	2	3		3	IE 312	None
					21		

FOURTH YEAR**FIRST SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
ES 310	Engineering Economics	3	0		3	ECON 1, EM 223 & IE 311	None
ME 311	Thermodynamics	3	0		3	EPS 221, EPS 222, EM 211	None
IE 411	Operations Research 2	3	0		3	IE 321	None
IE 412	Human Factors Engineering	3	0		3	IE 323	None
IE 414	Statistical Quality Control	3	0		3	IE 313 & IE 323	None
HIST 1	Philippine History	3	0		3	None	None
Fil 1	Sining ng Pakikipagtalastasan	3	0		3	None	None
					21		

FOURTH YEAR**SECOND SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
IE 421	Production Planning & Control	4	0		4	IE 411	None
IE 422	Occupational Safety & Health	3	0		3	IE 412	None
IE 423	Eng'g. Law, Ethics, Contracts & Spec.	3	0		3	4 th Year Standing	None
IE 424	Industrial Organization & Management	3	0		3	3 rd Year Standing	None
RIZAL	Life & Works of Rizal	3	0		3	None	None
PHILO 1	Logic	3	0		3	None	None
					19		

FIFTH YEAR**FIRST SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
ES 411	Environmental Science	3	0		3	EPS 120 & EPS 122	None
IE Elec 1	IE Elective 1	3	0		3	14 th Year Standing	None
IE 512	Facilities Planning & Design	3	0		3	IE 421	None
IE 513	Project Feasibility Study	2	3		3	IE 421, ES 310, IE 322	IE 512, IE 514, IE 511
IE Elec 2	IE Elective 2	3	0		3	4 th year standing	None
FIL 2	Pagbasa at Pagsulat sa Iba't-ibang Disiplina	3	0		3	FIL 1	None
PSYCHO 10	Industrial Psychology	3	0		3	None	None
					21		

FIFTH YEAR**SECOND SEMESTER**

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	FG	UNITS	PREREQUISITES	COREQUISITES
IE 521	Systems Engineering	3	0		3	IE 512	None
IE 522	Design Project	1	6		3	IE 513, IE 511 & IE 512	None
IE 523	Management Information System	3	0		3	ES 213	None
IE Elec 3	IE elective 3	2	3		3	4 th Year Standing	None
GE 322	Taxation and Land Reform	3	0		3	None	None
IE 525	Financial Management	3	0		3	None	None
					18		

List of electives:

IE 511 Marketing Systems
 IE 514 Personnel Management
 IE 524 Computer Applications in IE

IE 517a Strategic Planning
 IE 527 Special Problems in IE