

**FIRST YEAR, 1st Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
Math 0	Foundation Mathematics	3	0	3	-
Math 1	Calculus 1	4	0	4	-
Chem Lec	Chemistry for Engineers	3	0	3	-
Chem Lab	Chemistry for Engineers Lab	0	3	1	-
GEC-Math	Mathematics in the Modern World	3	0	3	-
BSC 1	Being Skills Course 1	1.5	0	1.5	-
GEC-UTS	Understanding the Self	3	0	3	-
PE 1	Physical Fitness and Gymnastics	2	0	2	-
NSTP 1	National Service Training Program 1	3	0	3	-
<b>TOTAL</b>		<b>22.5</b>	<b>3</b>	<b>23.5</b>	

**FIRST YEAR, 2nd Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
Math 2	Calculus 2	4	0	4	Math 1
Phys Lec	Physics for Engineers	3	0	3	Math 1
Phys Lab	Physics for Engineers Lab	0	3	1	Math 1
IE 121	Statistical Analysis for Industrial Engineering 1	3	0	3	-
BES-CAD	Computer- Aided Drafting	0	3	1	-
BSC 2	Being Skills Course 2	1.5	0	1.5	BCS1
BES-Draw	Engineering Drawing	0	3	1	-
IE Ortn	Orientation to IE	1	0	1	-
GEC-PCom	Purposive Communication	3	0	3	-
PE 2	Rhythmic Activities	2	0	2	PE 1
NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
<b>TOTAL</b>		<b>20.5</b>	<b>9</b>	<b>23.5</b>	

**SECOND YEAR, 1st Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
Math 3	Differential Equations	3	0	3	Math 2
GEC-Art	Art Appreciation	3	0	3	-
IE 212 Lec	Industrial Materials and Processes	2	0	2	Chem Lec/Lab
IE 212 Lab	Industrial Materials and Processes Lab	0	3	1	Chem Lec/Lab
IE 225 Lec	Statistical Analysis for Industrial Engineering 2	2	0	2	IE 121
IE 225 Lab	Statistical Analysis for Industrial Engineering 2 Lab	0	3	1	IE 121
IE 213	Industrial Organization and Management	3	0	3	2 <sup>nd</sup> Year Standing
BOSH	Basic Occupational Safety and Health	3	0	3	2 <sup>nd</sup> Year Standing
PE 3	Individual/Dual Sports	2	0	2	PE 2
GEC-TCW	The Contemporary World	3	0	3	-
CpE 211	Computer Fundamentals and Programming	0	6	2	-
<b>TOTAL</b>		<b>21</b>	<b>12</b>	<b>25</b>	

**SECOND YEAR, 2nd Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
AdvMath	Advanced Mathematics for Industrial Engineering	3	0	3	Math 3
IE 224 Lec	Work Study and Measurement	3	0	3	IE 212, IE 213, IE 121
IE 224 Lab	Work Study and Measurement Lab	0	3	1	IE 212, IE 213, IE 121
BES-Eeco	Engineering Economics	3	0	3	2 <sup>nd</sup> Year Standing
EPC	English Proficiency Course	3	0	3	GEC-PCom
EE 224 Lec	Basic Electrical Engineering	2	0	2	Phys Lec/Lab
EE 224 Lab	Basic Electrical Engineering Lab	0	3	1	Phys Lec/Lab
PE 4	Team Sports and Recreation	2	0	2	PE 3
GEC-RPH	Readings in Philippine History	3	0	3	-
GEC-Ethics	Ethics	3	0	3	-
<b>TOTAL</b>		<b>22</b>	<b>6</b>	<b>24</b>	

**THIRD YEAR, 1st Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
IE 316	Operations Research 1	3	0	3	AdvMath
IE 317	Quality Management Systems	3	0	3	IE 225, IE 224
IE 318 Lec	Ergonomics 1	2	0	2	IE 224
IE 318 Lab	Ergonomics 1 Lab	0	3	1	IE 224
Thermo 1	Thermodynamics 1	3	0	3	Math 2
Mech 313	Engineering Mechanics	3	0	3	Phys Lec/Lab
Acctg 1	Financial Accounting	3	0	3	-
GEC-STS	Science, Technology. And Society	3	0	3	-
Eco	Principles of Economics	3	0	3	-
<b>TOTAL</b>		<b>23</b>	<b>3</b>	<b>24</b>	

**THIRD YEAR, 2nd Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
IE 3219 Lec	Operations Research 2	2	0	2	IE 316
IE 3219 Lab	Operations Research 2 Lab	0	3	1	IE 316
IE 3220 Lec	Operations Management	3	0	3	IE 316, IE 317
IE 3220 Lab	Operations Management Lab	0	3	1	IE 316, IE 317
IE 3221 Lec	Ergonomics 2	2	0	2	IE 318
IE 3221 Lab	Ergonomics 2 Lab	0	3	1	IE 318
Tech	Technopreneurship 101	3	0	3	-
Acctg 2	Managerial Accounting	3	0	3	Acctg 1
Env Eng	Environmental Science	3	0	3	-
Rizal	Life and Works of Rizal	3	0	3	-
<b>TOTAL</b>		<b>19</b>	<b>9</b>	<b>22</b>	

**THIRD YEAR, Summer/Mid-Year**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
IE 3322	Project Feasibility 1	2	0	2	Acctg 2, IE 3220
IE 3323	Supply Chain Management	3	0	3	IE 3220
IE Elec 1	Industrial Engineering Elective 1	3	0	3	-
<b>TOTAL</b>		<b>8</b>	<b>0</b>	<b>8</b>	

**FOURTH YEAR, 1st Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
IE 4124	IE Industry Immersion	0	500	5	4 <sup>th</sup> Year Standing
IE 4125	IE Capstone Project 1	1	3	1	4 <sup>th</sup> Year Standing
<b>TOTAL</b>		<b>1</b>	<b>503</b>	<b>6</b>	

**FOURTH YEAR, 2nd Semester**

Subject Code	Subject Description	No. of Hours		Units	Pre-requisite/ (Corequisite)
		Lec	Lab		
IE 4225	IE Capstone Project 2	0	4	2	4 <sup>th</sup> Year Standing
IE Elec 2	Industrial Engineering Elective 2	3	0	3	-
IE Elec 3	Industrial Engineering Elective 3	3	0	3	-
IE 4226	Information Systems	3	0	3	CpE 211, 4 <sup>th</sup> Year Standing
IE4227	Systems Engineering	3	0	3	4 <sup>th</sup> Year Standing; CpE 211
IE 4228	Field Trips and Seminars	0	3	1	-
SP	IE Review in Special Topics	3	0	3	-
FL	Foreign Language	3	0	3	-
IE 4229	Project Feasibility 2	0	3	1	IE 3322
<b>TOTAL</b>		<b>18</b>	<b>10</b>	<b>22</b>	

**IE Electives:**

**Suggested Electives**

Risk Management  
Project Management  
Lean Six Sigma