

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING						
EFFECTIVE ACADEMIC YEAR 2018-2019						
COURSE CODE	COURSE TITLE	HOURS		UNITS	PRE-REQUISITE	CO-REQUISITE
		LEC	LAB			
FIRST YEAR						
FIRST SEMESTER		18	6	25		
IE131	Statistical Analysis for IE	3	0	3		
IE181	Leadership Values Formation for IE	0	3	1		
MATH137	Engineering Calculus 1	3	0	3		
CHEM131	Chemistry for Engineers, lec	3	0	3		CHEM181
CHEM181	Chemistry for Engineers, lab	0	3	1		CHEM131
MATH031	Mathematics in the Modern World	3	0	3		
PSYCH031	Understanding the Self	3	0	3		
PHILO031	Ethics	3	0	3		
PE103	Movement Enhancement			2		
NSTP111	National Service Training Program 1			3		
SECOND SEMESTER		18	6	25		
IE132	Advanced Statistics 1	3	0	3	IE131	
MATH138	Engineering Calculus 2	3	0	3	MATH137	
PHYS132	Physics for Engineers, lec	3	0	3	MATH137	MATH138, PHYS182
PHYS182	Physics for Engineers, lab	0	3	1	MATH137	MATH138, PHYS182
ES036	Environmental Science and Engineering	3	0	3	CHEM131/181	
ES083	Computer-Aided Design and Drafting	0	3	1		
ENGL031	Purposive Communication	3	0	3		
SOCSCI032	The Contemporary World	3	0	3		
PE104	Fitness Exercises			2	PE103	
NSTP112	National Service Training Program 2			3	NSTP111	
SECOND YEAR						
FIRST SEMESTER		20	6	24		
IE231	Advanced Statistics 2	3	0	3	IE132	
IE233	Industrial Materials and Processes, lec	2	0	2	CHEM131/181, PHYS132/182	IE281
IE281	Industrial Materials and Processes, lab	0	3	1	CHEM131/181, PHYS132/182	IE233
MATH237	Differential Equations	3	0	3	MATH138	
EE331	Basic Electrical Engineering	3	0	3	PHYS132/182	
ES033	Engineering Mechanics	3	0	3	PHYS132/182	
ES034	Engineering Management	3	0	3		
ES084	Computer Programming 1	0	3	1		
FIL031	Kontekstwalisadong Komunikasyon sa Filipino	3	0	3		
PE205	Physical Activities Towards Health and Fitness I			2	PE103	
SECOND SEMESTER		21	6	25		
IE232	Principles of Economics for IE	3	0	3		
IE234	Advanced Mathematics for IE	3	0	3	MATH237	

IE262	Methods Engineering	3	3	4	IE233, IE281, ES034, IE132	
ES032	Engineering Economics	3	0	3	IE131	
ES085	Computer Programming 2	0	3	1	ES084	
FIL032	Filipino sa Iba't Ibang Disiplina (FILDIS)	3	0	3	FIL031	
SOCSCI031	Readings in Philippine History	3	0	3		
RIZAL031	The Life and Works of Rizal	3	0	3		
PE206	Physical Activities Towards Health and Fitness II			2	PE103	
<b>SUMMER TERM</b>		<b>9</b>	<b>0</b>	<b>9</b>		
IE330	Operations Research 1	3	0	3	IE234	
IE350	Analytical Tools & Trends in IE	3	0	3	IE231	
IE370	Occupational Safety and Health for IE	3	0	3	IE233, IE281	
<b>THIRD YEAR</b>						
<b>FIRST SEMESTER</b>		<b>20</b>	<b>3</b>	<b>21</b>		
IE331	Quality Management Systems	3	0	3	IE231, IE262	
IE361	Ergonomics 1	2	3	3	IE262	
ACCTG131A	Financial Accounting for IE	3	0	3		
ME233	Thermodynamics	3	0	3	PHYS132/182, MATH138	
ES038	Technopreneurship	3	0	3	ES034	
LIT031	Sosyedad at Literatura/Panitikang Panlipunan (SOSLIT)	3	0	3		
STS031	Science, Technology and Society	3	0	3		
<b>SECOND SEMESTER</b>		<b>16</b>	<b>9</b>	<b>19</b>		
IE332	Operations Research 2	3	0	3	IE330	
IE362	Ergonomics 2	2	3	3	IE361	
IE364	Operations Management for IE	3	3	4	IE331, IE330	
IE366	Design Project	2	3	3	ES038, IE350	
IETE332	IE Technical Elective 1: Lean Six Sigma	3	0	3	IE331	IE364
ACCTG435	Management Accounting	3	0	3	ACCTG131A	
<b>SUMMER TERM</b>		<b>0</b>	<b>6</b>	<b>2</b>		
IE480	IE Industry Immersion	0	6	2	IE332, IE362, IE364, IETE332	
<b>FOURTH YEAR</b>						
<b>FIRST SEMESTER</b>		<b>14</b>	<b>12</b>	<b>18</b>		
IE431	System Simulation, lec	2	0	2	IE364	
IE481	System Simulation, lab	0	3	1	IE364	
IE433	Management of Information Systems	3	0	3	IE364	
IE435	Supply Chain Management	3	0	3	IE364	
IE461	Project Feasibility	2	3	3	ACCTG435, IE364, IE366	
IE463	IE Capstone Research Project	1	6	3	IE332, IE362, IE364	
IETE431	IE Technical Elective 2: Project Management for IE	3	0	3	ACCTG435	IE435
<b>SECOND SEMESTER</b>		<b>13</b>	<b>12</b>	<b>17</b>		
IE432	Food Safety & ISO	3	0	3	IE364	
IE434	Systems Engineering	3	0	3	IE433	
IE482	IE Comprehensive Evaluation Course	0	6	2	IE332, IE362, IE364	

IE462	Industrial Research Project	1	6	3	IE433, IE435, IE362	
IETE432	IE Technical Elective 3: Strategic Management for IE	3	0	3	IE364	
HUM031	Art Appreciation	3	0	3		
GRAND TOTAL		149	66	185		