

**PROGRAM OF STUDY  
BS INDUSTRIAL ENGINEERING**

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
<b>FIRST YEAR</b>			
ARTS 1. Critical Perspectives in the Arts	3	ENSC 11. Statics of Rigid Bodies	3
STS 1. Science, Technology and Society	3	MATH 28. Analytic Geometry and Calculus III	3
MATH 27. Analytic Geometry and Calculus II	3	IE 21. Industrial Processes	3
IE 10. Foundations of Industrial Engineering	1	IE 31. Industrial Organization and Management	3
PHYS 51. Elements of Physics	4	STAT 101. Statistical Methods	3
PHYS 51.1. Elements of Physics Laboratory	1	HIST 1/KAS 1. Philippine History/Kasaysayan ng Pilipinas	3
CHEM 18. University Chemistry	3	GE Elective	3
CHEM 18.1 University Chemistry Laboratory	2	HK 12 or 13. Human Kinetics Activities or	
HK 11. Wellness and Basic Injury Management	(2)	Advanced Human Kinetics Activities	(2)
NSTP 1. National Service Training Program I	(3)	NSTP 2. National Service Training Program II	(3)
	<u>20</u>		<u>21</u>
<b>SECOND YEAR</b>			
PI 10. The Life and Works of Jose Rizal	3	ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3
ENSC 21. Mathematical Methods in Engineering		ENSC 10.1. Engineering Graphics Laboratory	2
IE 125. Industrial Quality Control	5	ENSC 12. Dynamics of Rigid Bodies	3
IE 132. Methods Engineering	5	IE 142. Operations Research II	3
IE 141. Operations Research I	3	IE 150. Systems Evaluation	3
HK 12 or 13. Human Kinetics Activities or		IE 151. Production Systems	3
Advanced Human Kinetics Activities	(2)	MGT 111. Principles of Accounting	3
	<u>19</u>	HK 12 or 13. Human Kinetics Activities or	
		Advanced Human Kinetics Activities	(2)
			<u>20</u>
<b>MIDYEAR</b>			
IE 198. Internship	3		
<b>THIRD YEAR</b>			
ENSC 13. Strength of Materials	3	ENSC 14a. Engineering Thermodynamics and Heat Transfer	5
ENSC 26. Computer Applications in Engineering	3	ENSC 16. Fluid Mechanics	3
IE 134. Ergonomics	3	IE 136. Industrial Safety and Health	3
IE 143. Stochastic Processes in Industrial Engineering	3	IE 144. Industrial Systems Simulation	3
IE 152. Production Planning and Design	3	IE 164. Information Systems I	3
ABE 43. Engineering Shop	3	IE 184. Project Development and Management	3
	<u>18</u>		<u>20</u>
<b>FOURTH YEAR</b>			
Technical Cognate	3	Technical Cognate	3
ENG 10. Writing of Scientific Papers	3	IE 90. Ethics and Relevant Laws in Industrial Engineering	2
IE 158. Supply Chain Engineering	3	COMM 10. Critical Perspectives in Communication	3
IE 165. Information Systems II	3	GE Elective	3
IE 185. Industrial Systems Design	3	GE Elective	3
IE 199. Undergraduate Seminar	1	EE 1. Basic Electrical Engineering	3
IE 200/200b/200c. Thesis/Innovationeering/EIR	3	IE 200/200b/200c. Thesis/Innovationeering/EIR	3
	<u>19</u>		<u>20</u>

**TOTAL UNITS: 160**