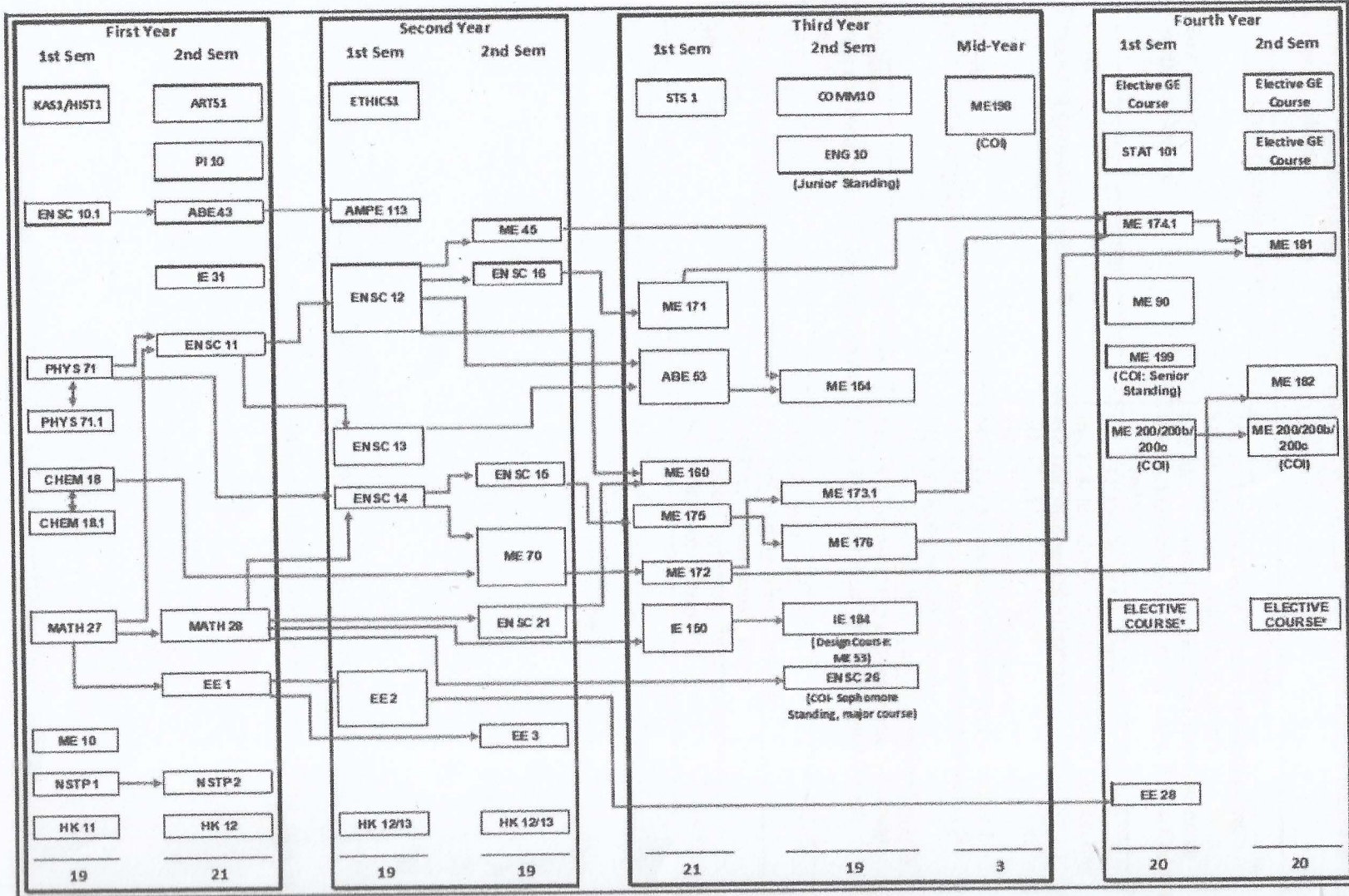


**PROGRAM OF STUDY  
BS MECHANICAL ENGINEERING  
2021**

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
<b>FIRST YEAR</b>			
KAS1/HIST1. Kasaysayan ng Pilipinas/Philippine History	3	ARTS 1. Critical Perspectives in the Arts	3
ME 10. Introduction to Mechanical Engineering	1	EE 1. Basic Electrical Engineering	3
ENSC 10.1. Engineering Graphics Laboratory	2	PI 10. The Life and Works of Rizal	3
CHEM 18. University Chemistry	3	ENSC 11. Statistics of Rigid Bodies	3
CHEM 18.1. University Chemistry Lab	2	MATH 28. Analytical Geometry and Calculus III	3
MATH 27. Analytical Geometry and Calculus II	3	IE 31. Industrial Organization and Management	3
PHYS 71. University Physics I	4	ABE 43. Engineering Shop	3
PHYS 71.1. University Physics I Lab	1	NSTP I. National Service Training Program 1	(3)
HK 11. Wellness and Basic Injury Management	<u>(2)</u>	HK 12. Human Kinetics Activities	<u>(2)</u>
	19		21
<b>SECOND YEAR</b>			
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	EE 3. Basic Electrical Machines	4
EE 2. Basic Electronics Engineering	4	ENSC 15. Fundamentals of Heat Transfer	3
ENSC 12. Dynamics of Rigid Bodies	3	ENSC 16. Fluid Mechanics	3
ENSC 13. Strength of Materials	3	ENSC 21. Mathematical Methods in Engineering	3
ENSC 14. Basic Thermodynamics	3	ME 45. Analysis of Machine Elements	3
AMPE 113. Manufacturing Processes	3	ME 70. Mechanical Engineering Thermodynamics	3
NSTP 2. National Service Training Program 2	(3)	HK 12/13. Human Kinetic Activities / Advanced Human Kinetics	<u>(2)</u>
HK 12/13. Human Kinetic Activities / Advanced Human Kinetics	<u>(2)</u>		19
	19		
<b>THIRD YEAR</b>			
STS 1. Science, Technology and Society	3	COMM 10. Critical Perspectives in Communication Arts	3
IE 150. Systems Evaluation	3	ENG 10. Writing of Scientific Papers	3
ABE 53. Machine Design for Bioproduction Systems I	4	ENSC 26. Computer Applications in Engineering	3
ME 160. Mechanical Vibrations	3	ME 154. Design of Machinery	3
ME 171. Fluid Machinery	3	ME 173.1. Mechanical Engineering Laboratory I	1
ME 172. Combustion Engineering	2	ME 176. Air-conditioning and Ventilation Systems	3
ME 175. Refrigeration Systems	<u>3</u>	IE 184. Project Development and Management	<u>3</u>
	21		19
<b>MIDYEAR</b>			
		ME 198. Internship	3
<b>FOURTH YEAR</b>			
GE Elective. General Education	3	GE Elective. General Education	3
EE 28. Introduction to Control Systems	3	GE Elective. General Education	3
STAT 101. Statistical Methods	3	ME 181. Industrial Plant Engineering and Design	4
ME 90. Mechanical Engineering Laws, Ethics, Codes, and Standards	2	ME 182. Power Plant Engineering and Design	4
ME 174.1. Mechanical Engineering Laboratory II	2	ME 200/200b/200c. Thesis/Innovationeering/EIR	3
ME 199. Undergraduate Seminar	1	Elective: ME 158/AMPE 123/AMPE 133/AMPE 134/EE 188. Introduction to Biomechanical Engineering/Design of Renewable Energy Systems (Solar, Biomass, Wind and Micro-hydro)/Introduction to Mechatronics	<u>3</u>
ME 200/200b/200c. Thesis/Innovationeering/EIR	3		20
Elective: ME 158/AMPE 123/AMPE 133/AMPE 134/EE 188. Introduction to Biomechanical Engineering/Design of Renewable Energy Systems (Solar, Biomass, Wind and Micro-hydro)/Introduction to Mechatronics	<u>3</u>		
	20		

**TOTAL UNITS: 161**

**University of the Philippines Los Baños**  
**Bachelor of Science in Mechanical Engineering**



\*Elective Course: Pre-requisite varies. Refer to the syllabus of each course.

\*\*Indicated total units per semester do not include non-academic units: PE (2 units) and NSTP (3 units)

**TOTAL: 161 units**