BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING								
	FIRST YEAR							
FIRST SEMESTER	SECOND SEMESTER	MIDYEAR						
ChE 10. Introduction to Chemical Engineering Profession	1 CHEM 32. Quantitative Inorganic Analysis	3						
CHEM 18. University Chemistry	3 CHEM 32.1. Quantitative Inorganic Analysis Laboratory	2						
CHEM 18.1. University Chemistry Laboratory	2 CHEM 40. Basic Organic Chemistry	4						
MATH 27. Analytic Geometry and Calculus II	<b>3</b> CHEM 40.1. Basic Organic Chemistry Laboratory	1						
PHYS 51. Elements of Physics	4 MATH 28. Analytic Geometry and Calculus III	3						
PHYS 51.1. Elements of Physics Laboratory	1 GE 1	3						
MCB 11. Biology and Applications of Microorganisms	<b>3</b> ARTS 1. Critical Perspectives in the Arts	3						
PI 10. The Life and Works of Jose Rizal	<ul> <li><b>3</b> STS 1. Science, Technology, and Society</li> </ul>	3						
HK 11. Wellness and Basic Injury Management	(2) HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)						
NSTP 1. National Service Training Program	(3) NSTP 2. National Service Training Program	(3)						
	20	22						
	SECOND YEAR							
FIRST SEMESTER	SECOND SEMESTER	MIDYEAR						
ChE 30. Fundamentals of Chemical Engineering	4 ENSC 26. Computer Applications in Engineering	3						
ENSC 10.1. Engineering Graphics Laboratory	2 ChE 32. Industrial Stoichiometry	3						
EE 1. Basic Electrical Engineering	<b>3</b> ENSC 12. Dynamics of Rigid Bodies	3						
ENSC 11. Statics of Rigid Bodies	<b>3</b> ENSC 21. Mathematical Methods in Engineering	3						
CHEM 111. Physical Chemistry I	<b>3</b> CHEM 111.1. Physical Chemistry I Laboratory	2						
CHEM 160. Introductory Biochemistry	3 CHEM 112. Physical Chemistry II	3						
KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	<b>3</b> GE 2	3						
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics	HK 12/12 Human Kinotics Activitios/Advanced Human Kinotics							
Activities	(2) Activities	(2)						
	21	20						
	THIRD YEAR							
FIRST SEMESTER	SECOND SEMESTER	MIDYEAR						
ChE 142. Chemical Engineering Thermodynamics I	3 ChE 143. Chemical Engineering Thermodynamics II	3 ChE 198. Internship	3					
ChE 147. Application of Fluid Dynamics in Chemical Engineering	3 ChE 145. Chemical Reaction Engineering	3						
ChE 149. Transport Phenomena	3 ChE 153. Transfer Operations I	3						
ChE 152. Separation Processes	3 ChE 154. Transfer Operations II	3						
ENSC 13. Strength of Materials	3 ChE 172. Introduction to Biochemical Engineering	3						
STAT 168. Respone Surface Methodology	3 ChE 180. Agro-Industrial Waste Management	3						
COMM 10. Critical Perspectives in Communication	3 ENG 10. Writing of Scientific Papers	3						
	21	21	3					
	FOURTH YEAR		J					
FIRST SEMESTER	SECOND SEMESTER	MIDYEAR						
ChE 157.1. Chemical Engineering Unit Operations Laboratory	2 ChE 170. Instrumentation and Process Dynamics and Control	3						
Che 137.1. Chemical Engineering Onit Operations Laboratory	ChE 185. Chemical Engineering Laws, Ethics, Specifications and							
ChE 191. Special Topics	3 Contracts	2						
ChE 192. Chemical Process Equipment Design	3 ChE 193. Plant Design	3						
ChE 200/200b/200c. Undergraduate Thesis/Innovationeering/ Engineering Industry Research	3 ChE 199. Plant Inspection and Seminar	1						
Cognate	3 ChE 200/200b/200c. Undergraduate Thesis/Innovationeering/ Engineering Industry Research	3						
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3 Cognate	3						
GE	3							
	20	15						

**TOTAL UNITS** 

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		N CHEMICAL ENGINEERING Ig from First Semester 2020-2021 to present			
		TYEAR			
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ChE 10. Introduction to Chemical Engineering Profession	<b>1</b> CHEM 18.1. Unive	ersity Chemistry Laboratory	2	STS 1. Science, Technology and Society	3
CHEM 18. University Chemistry	<b>3</b> MCB 11. Biology a	and Applications of Microorganisms	3	GE 1	3
MATH 27. Analytic Geometry and Calculus II	<b>3</b> ENSC 11. Statics of		3	ARTS 1. Critical Perspectives in the Arts	3
PHYS 51. Elements of Physics	4 MATH 28. Analyti	c Geometry and Calculus III	3		
PHYS 51.1. Elements of Physics Laboratory		ysayan ng Pilipinas/Philippine History	3		
PI 10. The Life and Works of Jose Rizal		Kinetics Activities/Advanced Human Kinetics	(2)		
HK 11. Wellness and Basic Injury Management		Service Training Program	(3)		
	15	0 0	14		9
	SECOI	ND YEAR	1		
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
ChE 30. Fundamentals of Chemical Engineering	4 ENSC 26. Comput	er Applications in Engineering	3		
ENSC 10.1. Engineering Graphics Laboratory	2 ChE 32. Industrial		3		
EE 1. Basic Electrical Engineering	3 ENSC 12. Dynami	-	3		
CHEM 32. Quantitative Inorganic Analysis	3 ENSC 21. Mathem	natical Methods in Engineering	3		
CHEM 32.1. Quantitative Inorganic Analysis Laboratory	2 CHEM 111. Physic	cal Chemistry I	3		
CHEM 40. Basic Organic Chemistry	4 CHEM 160. Introd	luctory Biochemistry	3		
CHEM 40.1. Basic Organic Chemistry Laboratory	<b>1</b> GE 2		3		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics	(a) HK 12/13. Humar	Kinetics Activities/Advanced Human Kinetics	(2)		
Activities	(2) Activities		(2)		
NSTP 2. National Service Training Program	(3)				
	19		21		
	THIR	D YEAR			
FIRST SEMESTER		SECOND SEMESTER	-	MIDYEAR	-
ChE 142. Chemical Engineering Thermodynamics I	3 ChE 143. Chemica	al Engineering Thermodynamics II	3	ChE 198. Internship	3
ChE 147. Application of Fluid Dynamics in Chemical Engineering	3 ChE 145. Chemica	al Reaction Engineering	3		
ChE 149. Transport Phenomena	3 ChE 153. Transfer	•	3		
ChE 152. Separation Processes	3 ChE 154. Transfer	•	3		
CHEM 112. Physical Chemistry II	3 ENSC 13. Strength		3		
STAT 168. Respone Surface Methodology		sical Chemistry I Laboratory	2		
COMM 10. Critical Perspectives in Communication		of Scientific Papers	3		
	21		20		3
	FOUR				
FIRST SEMESTER	<b>2</b> ChE 170 linetrum	SECOND SEMESTER	<b>_</b>	MIDYEAR	
ChE 157.1. Chemical Engineering Unit Operations Laboratory ChE 191. Special Topics		entation and Process Dynamics and Control al Engg Laws, Ethics, Specifications and Contracts	3		
ChE 192. Chemical Process Equipment Design	3 ChE 193. Plant De	esign	3		
ChE 200/200b/200c. Undergraduate Thesis/Innovationeering/ Engineering Industry Research		spection and Seminar	1		
Cognate	3 ChE 200/200b/20 Engineering Indus	Oc. Undergraduate Thesis/Innovationeering/ stry Research	3		
ChE 172. Introduction to Biochemical Engineering	3 Cognate		3		
ChE 180. Agro-Industrial Waste Management	3 ETHICS 1. Ethics a	nd Moral Reasoning in Everyday Life	3		
	GE		3		
	20		21		

**TOTAL UNITS** 

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