

**DE LA SALLE UNIVERSITY**  
GOKONGWEI COLLEGE OF ENGINEERING  
**Bachelor of Science and Master of Science in Chemical Engineering (BS-MS ChE)**  
CHECKLIST FOR FRESHMEN WHO STARTED AY 2022-2023

FIRST TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
NSTP101	National Service Training Program - General Orientation	0	0	0		
FNDMATH	Foundation Course in Mathematics	5	0	5		
BASCHEM	Basic Chemistry	3	0	3		
BASPHYS	Basic Physics	3	0	3		
FNDSTAT	Foundation Course in Statistics	3	0	3		
GEARTAP	Art Appreciation	3	0	3		
TOTAL		17	0	17		

SECOND TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
NSTPCW1	National Service Training Program 1	0	0	(3)		
GEMATMW	Mathematics in the Modern World	3	0	3		
GELECSP	GE Elective for Social Science and Philosophy	3	0	3		
LBYPE1A	Engineering Drawing	0	3	1		
CALENG1	Differential Calculus	3	0	3	H	FNDMATH
ENGCHEM	Chemistry for Engineers	3	0	3	H	BASCHEM
LBYPH1A	Chemistry for Engineers Laboratory	0	3	1	C	ENGCHEM
ANLYCHE	Analytical Chemistry for ChE	3	0	3	H	BASCHEM
LBYPH1B	Analytical Chemistry for ChE Laboratory	0	6	2	C	ANLYCHE
TOTAL		15	12	19	(3)	

THIRD TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
NSTPCW2	National Service Training Program 2	0	0	(3)	H	NSTPCW1
LCLSONE	Lasallian Studies 1	2	0	(1)		
LASARE1	Lasallian Recollection 1	0	0	0		
SAS1000	Student Affairs Services	0	0	0		
GEUSELF	Understanding the Self	3	0	3		
LBYPE1B	Computer-Aided Drafting	0	3	1	H	LBYPE1A
CALENG2	Integral Calculus	3	0	3	H	CALENG1
ENGPHYS	Physics for Engineers	3	0	3	S / H	CALENG1 / BASPHYS
LBYPH1A	Physics for Engineers Laboratory	0	3	1	C	ENGPHYS
ORGCH13	Organic Chemistry 1	2	0	2	H	ANLYCHE
LBYPH1C	Organic Chemistry 1 Laboratory	0	3	1	C	ORGCH13
CHECALC	Chemical Engineering Calculations	3	3	4	H	ANLYCHE
TOTAL		16	12	18	(4)	

**LEGEND:** H = HARD PRE-REQUISITE  
S = SOFT PRE-REQUISITE  
C = CO-REQUISITE

TOTAL UNITS	234 (9)
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FOURTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
SAS2000	Student Affairs Services 2000	0	0	0		
GELECAH	GE Elective for Arts and Humanities	3	0	3		
GETFWEL	Physical Fitness and Wellness	2	0	2		
LBYPE2A	Computer Fundamentals and Programming 1	0	3	1		
ENGMANA	Engineering Management	2	0	2	S	CALENG1
ENGMEC1	Statics of Rigid Bodies	3	0	3	H / S	ENGPHYS / CALENG2
DATAENG	Engineering Data Analysis	3	0	3	H / S	FNDSTAT / CALENG2
CALENG3	Differential Equations	3	0	3	H	CALENG2
ORGCH14	Organic Chemistry 2	2	0	2	H	ORGCH13
TOTAL		18	3	19		

FIFTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GEPCOMM	Purposive Communication	3	0	3		
GEDANCE	Physical Fitness and Wellness in Dance	2	0	2		
ENGENVI	Environmental Science and Engineering	3	0	3	H	ENGCHEM
CHEMAT4	Chemical Engineering Mathematics	3	0	3	H	CALENG3
PROCCH	Chemical Process Industries	3	0	3	H	ORGCH14
LBYPH2B	Chemical Process Industries Laboratory	0	3	1	C	PROCCH
PHYCHE1	Physical Principles 1	3	0	3	H / S	ORGCH13 / CALENG3
LBYPH2A	Physical Principles 1 Laboratory	0	3	1	C	PHYCHE1
TOTAL		17	6	19		

SIXTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
LCLSTWO	Lasallian Studies 2	2	0	(1)		
LASARE2	Lasallian Recollection 2	0	0	0		
LCFAITH	Faith Worth Living	3	0	3		
GESPORT	Physical Fitness and Wellness in Individual Sports	2	0	2		
ELECCH	Basic Electrical and Electronics Engineering for ChE	2	0	2	H	ENGPHYS
LBYPE2E	Basic Electrical and Electronics Engineering Laboratory for ChE	0	3	1	C	ELECCH
ECOMCH	Engineering Economy for ChE	3	0	3	S	CALENG1
PHYCHE2	Physical Principles 2	3	0	3	H	PHYCHE1
LBYPH2C	Physical Principles 2 Laboratory	0	3	1	C	PHYCHE2
CHETHRM	Chemical Engineering Thermodynamics	3	0	3	H / H	PHYCHE1 / CHECALC
TOTAL		18	6	18	(1)	

**NOTE TO THE STUDENTS**

- Please take note that courses should not be enrolled without passing their respective pre-requisite and taking (not necessarily passed) their soft pre-requisite. Be reminded that not following so will cause the course to be INVALIDATED.
- This checklist is **tentative** and **subject to change**. Please be guided accordingly. Thank you.

Prepared and noted:

Approved:

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SEVENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GEETHIC	Ethics	3	0	3		
GETEAMS	Physical Fitness and Wellness in Team Sport	2	0	2		
QUANMAN	Quantitative Methods of Management	3	0	3	H / H	ENGMANA / DATAENG
MOMECH	Transport Phenomena 1: Momentum Transfer	2	3	3	H / H	CALENG3 / CHETHRM
MATSCHE	Fundamentals of Material Science and Engineering	3	0	3	S	ORGCH14
LBYCHMR	Methods of Research for Chemical Engineers	0	3	1	H / H / H	GEPCOMM / DATAENG / CHECALC
REAKCHE	Chemical Reaction Engineering and Kinetics	3	3	4	H / H	CHEMAT4 / PHYCHE2
<b>TOTAL</b>		<b>16</b>	<b>9</b>	<b>19</b>		

EIGHTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GERIZAL	Life and Works of Rizal	3	0	3		
GESTSOC	Science, Technology and Society	3	0	3		
SOLUTHE	Solution Thermodynamics	1	3	2	H	CHETHRM
LBYCH3A	Thermodynamics Laboratory	0	3	1	H	CHETHRM
DYCOPRO	Process Dynamics and Control	3	0	3	H	MOMECH
HEATCHE	Transport Phenomena 2: Heat Transfer	2	3	3	H	MOMECH
PARTCHE	Introduction to Particle Technology	2	3	3	C	HEATCHE
MS COURSE	Chemical Engineering Elective 1	3	0	3		
MS COURSE	Chemical Engineering Major Course 1	3	0	3		
<b>TOTAL</b>		<b>20</b>	<b>12</b>	<b>24</b>		

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COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
LCLSTRI	Lasallian Studies 3	2	0	(1)		
LASARE3	Lasallian Recollection 3	0	0	0		
LCASEAN	The Filipino and ASEAN	3	0	3		
GELECST	GE Elective for Science and Technology	3	0	3		
MASSCHE	Transport Phenomena 3: Mass Transfer	2	3	3	H	HEATCHE
SEPPROC	Separation Processes	2	3	3	C	MASSCHE
LBYCH3B	Unit Operations Laboratory 1	0	3	1	H	HEATCHE
SEMFCH	ChE Field Trips and Seminar	1	0	1	S	CHETHRM
LBYCH3C	Process Dynamics and Control Laboratory	0	3	1	H	DYCOPRO
CHE681M	Advanced Process Control	3	0	3		
COE5200	Methods of Research for MS Students	3	0	3		
MS COURSE	Chemical Engineering Major Course 3	3	0	3		
<b>TOTAL</b>		<b>22</b>	<b>12</b>	<b>24</b>	<b>(1)</b>	

TENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
LCENWRD	Encountering the Word in the World	3	0	3		
ENGTREP	Technopreneurship	3	0	3		
EQUICHE	Chemical Engineering Design 1	1	3	2	H / H / H	REAKCHE / MASSCHE / SEPPROC
LBYCH4A	Unit Operations Laboratory 2	0	3	1	H	MASSCHE
LBYCH4B	Computer Applications in Chemical Engineering	0	3	1	H / C	LBYEC2A / EQUICHE
BIOCHEE	Biochemical Engineering	3	0	3	H / H	ORGCH14 / REAKCHE
CHESAFE	Process Safety for Chemical Engineers	2	0	2	H	SEMFCH
LAWSCH	Laws and Ethics for Chemical Engineers	1	0	1	C	CHESAFE
TSMCH0	MS Thesis Proposal	0	0	2	H	COE5200
MS COURSE	Advanced Mathematics 1	3	0	3		
MS COURSE	Chemical Engineering Elective 2	3	0	3		
MS COURSE	Chemical Engineering Major Course 4	3	0	3		
<b>TOTAL</b>		<b>22</b>	<b>9</b>	<b>27</b>		

ELEVENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
SAS3000	Student Affairs Services 3000	0	0	0		
GERPHIS	Readings in Philippine History	3	0	3		
GEWORLD	Contemporary World	3	0	3		
INCOCHE	Course Integration for Chemical Engineering	0	6	2	H / H	MASSCHE / SEPPROC
CAPSCHE	Chemical Engineering Design 2	2	3	3	H	EQUICHE
INWAMAC	Industrial Waste Management and Control	3	0	3	H / S	ENGENVI / BIOCHEE
LBYEC3A	Intelligent Engineering Systems	0	3	1	H / S	LBYEC2A / DATAENG
MS COURSE	Chemical Engineering Major Course 5	3	0	3		
MS COURSE	Advanced Mathematics 2	3	0	3		
<b>TOTAL</b>		<b>17</b>	<b>12</b>	<b>21</b>		

TWELFTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
CHE851M	Thesis 1	0	0	6	H	TSMCH0
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>6</b>		

THIRTEENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
CHE852M	Thesis 2	0	0	0	H	CHE851M
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>		

FOURTEENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
PRCGECH	Chemical Engineering Practicum	0	480	3	H	ALL COURSES TAKEN
<b>TOTAL</b>		<b>0</b>	<b>480</b>	<b>3</b>		

		LEC	LAB	UNITS	
<b>TOTAL UNITS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>