

**DE LA SALLE UNIVERSITY**  
GOKONGWEI COLLEGE OF ENGINEERING  
**Bachelor of Science in Chemical Engineering**  
CHECKLIST FOR FRESHMEN WHO STARTED AY 2019-2020

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		
<b>TOTAL</b>		<b>17</b>	<b>0</b>	<b>17</b>		

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		
GETFWEL	Physical Fitness and Wellness	2	0	2		
LBME1A	Engineering Drawing	0	3	1		
CALENG1	Differential Calculus	3	0	3	H	FNDMATH
ENGCHEM	Chemistry for Engineers	3	0	3	H	BASCHEM
LBCH1A	Chemistry for Engineers Laboratory	0	3	1	C	ENGCHEM
ANLYCHE	Analytical Chemistry for ChE	3	0	3	H	BASCHEM
LBCH1B	Analytical Chemistry for ChE Laboratory	0	6	2	C	ANLYCHE
<b>TOTAL</b>		<b>14</b>	<b>12</b>	<b>18</b>	<b>(3)</b>	

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		
GEDANCE	Physical Fitness and Wellness in Dance	2	0	2		
GEFIL1	Introduksyon sa Filipinohiya	3	0	3		
CALENG2	Integral Calculus	3	0	3	H	CALENG1
ENGPYS	Physics for Engineers	3	0	3	S / H	CALENG1 / BASPHYS
LBYPH1A	Physics for Engineers Laboratory	0	3	1	C	ENGPYS
ORGCH13	Organic Chemistry 1	2	0	2	H	ANLYCHE
LBCH1C	Organic Chemistry 1 Laboratory	0	3	1	C	ORGCH13
CHECALC	Chemical Engineering Calculations	3	3	4	H	ANLYCHE
<b>TOTAL</b>		<b>18</b>	<b>9</b>	<b>19</b>	<b>(4)</b>	

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

<b>TOTAL UNITS</b>	<b>207 (9)</b>
--------------------	----------------

FOURTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GEFIL2	Mga Usaping Pang-wika sa Iba't ibang Larangan	3	0	3		
GESPORT	Physical Fitness and Wellness in Individual Sports	2	0	2		
LBEC2A	Computer Fundamentals and Programming 1	0	3	1		
ENGMANA	Engineering Management	2	0	2	S	CALENG1
ENGMCE1	Statics of Rigid Bodies	3	0	3	H / S	ENGPYS / 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
<b>TOTAL</b>		<b>18</b>	<b>3</b>	<b>19</b>		

FIFTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GEPCOMM	Purposive Communication	3	0	3		
GETEAMS	Physical Fitness and Wellness in Team Sport	2	0	2		
ENGENVI	Environmental Science and Engineering	3	0	3	H	ENGCHEM
CHEMAT4	Chemical Engineering Mathematics	3	0	3	H	CALENG3
PROCHE	Chemical Process Industries	3	0	3	H	ORGCH14
LBCH2B	Chemical Process Industries Laboratory	0	3	1	C	PROCHE
PHYCHE1	Physical Principles 1	3	0	3	H / S	ORGCH13 / CALENG3
LBCH2A	Physical Principles 1 Laboratory	0	3	1	C	PHYCHE1
<b>TOTAL</b>		<b>17</b>	<b>6</b>	<b>19</b>		

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		
GEUSELF	Understanding the Self	3	0	3		
ELECCHE	Basic Electrical and Electronics Engineering for ChE	2	0	2	H	ENGPYS
LBEC2E	Basic Electrical and Electronics Engineering Laboratory for ChE	0	3	1	C	ELECCHE
ECOMCHE	Engineering Economy for ChE	3	0	3	S	CALENG1
PHYCHE2	Physical Principles 2	3	0	3	H	PHYCHE1
LBCH2C	Physical Principles 2 Laboratory	0	3	1	C	PHYCHE2
CHETHRM	Chemical Engineering Thermodynamics	3	0	3	H / H	PHYCHE1 / CHECALC
<b>TOTAL</b>		<b>19</b>	<b>6</b>	<b>19</b>	<b>(1)</b>	

**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:

**DR. AILEEN H. ORBECIDO**  
Chair, Chemical Engineering Department

**ENGR. DENNIS E. CRUZ**  
Associate Dean, Gokongwei College of Engineering

**DE LA SALLE UNIVERSITY**  
 GOKONGWEI COLLEGE OF ENGINEERING  
**Bachelor of Science in Chemical Engineering**  
 CHECKLIST FOR FRESHMEN WHO STARTED AY 2019-2020

SEVENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GEETHIC	Ethics	3	0	3		
LBYME1B	Computer-Aided Drafting	0	3	1	H	LBYME1A
QUANMAN	Quantitative Methods of Management	3	0	3	H / H	ENGMANA / DATAENG
MOMECHE	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>14</b>	<b>12</b>	<b>18</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		
CHELE02	Chemical Engineering Elective 2	3	0	3	H	CHELE01
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
SAFECHE	Process Safety for Chemical Engineers	2	0	2	H	SEMICHE
CHELAWS	Laws and Ethics for Chemical Engineers	1	0	1	C	SAFECHE
<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		
THSCH01	Chemical Engineering Thesis 1	0	0	1	H	LBYCHMR
SOLUTHE	Solution Thermodynamics	1	3	2	H	CHETHRM
LBYCH3A	Thermodynamics Laboratory	0	3	1	H	CHETHRM
DYOPRO	Process Dynamics and Control	3	0	3	H	MOMECHE
HEATCHE	Transport Phenomena 2: Heat Transfer	2	3	3	H	MOMECHE
PARTCHE	Introduction to Particle Technology	2	3	3	C	HEATCHE
<b>TOTAL</b>		<b>14</b>	<b>12</b>	<b>19</b>		

ELEVENTH TERM						
COURSE	COURSE TITLE	LEC	LAB	UNITS	PRE-REQUISITES	
GERPHIS	Readings in Philippine History	3	0	3		
GEWORLD	Contemporary World	3	0	3		
CHELE03	Chemical Engineering Elective 3	3	0	3	H	CHELE02
INOCHE	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
<b>TOTAL</b>		<b>14</b>	<b>12</b>	<b>18</b>		

NINTH TERM						
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		
GELITPH	Literatures of the Philippines	3	0	3		
THSCH02	Chemical Engineering Thesis 2	0	0	1	H	THSCH01
CHELE01	Chemical Engineering Elective 1	3	0	3	S	CHETHRM
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
SEMICHE	ChE Field Trips and Seminar	1	0	1	S	HEATCHE
LBYCH3C	Process Dynamics and Control Laboratory	0	3	1	H	DYOPRO
<b>TOTAL</b>		<b>16</b>	<b>12</b>	<b>19 (1)</b>		

TWELFTH 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>		

<b>TOTAL UNITS</b>		<b>177</b>	<b>573</b>	<b>207 (9)</b>
--------------------	--	------------	------------	----------------