



EASTERN VISAYAS STATE UNIVERSITY
Tacloban City

Title of Form: CURRICULUM CHECKLIST

Control No. EVSU-ACA-F-

Revision No.

Date

BSChE
Bachelor of Science in Chemical Engineering
per Board Resolution No. 87, s. 2020
per CMO No. 91, Series of 2017

Curriculum for
BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING
Effective First Semester, S.Y. 2021-2022

Name _____ Student No. _____
(Family Name) (Given Name) (Middle Name)

Home Address: _____ Contact No. _____

Email Address/FB Account: _____ Parent/Guardian's Contact No. _____

FIRST YEAR, FIRST SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			MATH 113	College Algebra	3	0	3	NONE
			MATH 133	Plane and Spherical Trigonometry	3	0	3	NONE
			MATH 112	Solid Mensuration	2	0	2	NONE
			MATH 153	Analytic Geometry	3	0	3	NONE
			CHEM 114	Chemistry for Engineers**	3	3	4	NONE
			DRR 113	Disaster Risk Reduction and Education in Emergencies	3	0	3	NONE
			GEN ED 002	Understanding the Self	3	0	3	NONE
			PE 112	(PATHFIT) Movement Competency Training	2	0	2	NONE
			NSTP 113	CWTS, LTS, MTS (Naval or Air Force)	3	0	3	NONE
TOTAL					25	3	26	

*Computer course with computer fee **Courses with laboratory fee

Name & Signature of Evaluator

FIRST YEAR, SECOND SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			MATH 124	Calculus 1	4	0	4	MATH 113, MATH 133, MATH 112, MATH153
			GEN ED 001	Purposive Communication	3	0	3	NONE
			CHE 125	Analytical Chemistry**	4	3	5	CHEM 114
			GEN ED 007	The Contemporary World	3	0	3	NONE
			COMP 121	Computer Fundamentals & Programming*	0	3	1	NONE
			GEN ED 004	Mathematics in the Modern World	3	0	3	NONE
			PE 122	(PATHFIT) Fitness Training	2	0	2	NONE
			NSTP 123	CWTS, LTS, MTS (Naval or Air Force)	3	0	3	NSTP 113
TOTAL					22	6	24	

*Computer course with computer fee **Courses with laboratory fee

Name & Signature of Evaluator

SUMMER OR THIRD TERM, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			MATH 104	Calculus 2	4	0	4	MATH 124
			PHYS 104	Physics for Engineers**	3	3	4	MATH 124
TOTAL					7	3	8	

**Courses with laboratory fee

Name & Signature of Evaluator

SECOND YEAR, FIRST SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			CHE 213	Chemical Engineering Calculations**	2	3	3	CHEM 114
			MECH 213	Engineering Mechanics	3	0	3	PHYS 104
			MATH 213	Differential Equations	3	0	3	MATH 104
			CHE 215	Organic Chemistry**	4	3	5	CHE 125
			EDA 213	Engineering Data Analysis	3	0	3	MATH 124
			RIZAL 001	Rizal's Life and Works	3	0	3	NONE
			GEN ED 003	Readings in Philippine History	3	0	3	NONE
			GEN EL 001	People and the Earth's Ecosystems	3	0	3	NONE
			PE 212	(PATHFIT)Dance, Sport, Group Exercise, Outdoor and Adventure Activities -1	2	0	2	NONE
TOTAL					26	6	28	

**Courses with laboratory fee

Name & Signature of Evaluator

SECOND YEAR, SECOND SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			CHE 223	Momentum Transfer**	2	3	3	CHE 213, MATH 213
			GEN ED 008	Science, Technology, and Society	3	0	3	NONE
			CHE 243	Physical Chemistry for Engineers 1**	2	3	3	CHE 125, MATH 104
			CHE 283	Fundamentals of Materials Sci. & Engineering	3	0	3	CHE 215
			CHE 263	Advanced Engineering Math in ChE	3	0	3	MATH 213
			CAD 221	Computer Aided Design*	0	3	1	NONE
			GEN ED 005	Art Appreciation	3	0	3	NONE
			GEN EL 002	Gender and Society	3	0	3	NONE
			PE 222	(PATHFIT)Dance, Sport, Group Exercise, Outdoor and Adventure Activities -2	2	0	2	NONE
TOTAL					21	9	24	

**Courses with Laboratory Fee

Name & Signature of Evaluator

THIRD YEAR, FIRST SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			CHE 314	Heat and Mass Transfer**	3	3	4	CHE 223
			EE 313	Basic Electrical and Electronics Engineering**	2	3	3	PHYS 104
			CHE 333	Physical Chemistry for Engineers 2**	2	3	3	CHE 243
			CHE 353	Chemical Engineering Thermodynamics	3	0	3	CHE 243, CHE 213
			GEN ED 006	Ethics	3	0	3	3 rd Year Standing
			CHE 371	Methods of Research**	0	3	1	CHE 243, CHE 213, GEN ED 001, EDA 213
			ENV 313	Environmental Science and Engineering	3	0	3	NONE
			CHE 391	Computer Applications in ChE*	0	3	1	COMP 121
TOTAL					16	15	21	

**Courses with Laboratory Fee

Name & Signature of Evaluator

THIRD YEAR, SECOND SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			CHE 344	Chemical Reaction Engineering**	3	3	4	CHE 263, CHE 333, CHE 314
			CHE 321L	Chemical Engineering Lab 1**	0	3	1	CHE 314, CHE 223
			CHE 323	Particle Technology**	2	3	3	CHE 223
			CHE 324	Separation Processes**	2	3	3	CHE 353, CHE 314
			CHE 363	Chemical Process Industries	3	0	3	CHE 215
			CHE 383	Solution Thermodynamics	3	0	3	CHE 353, CHE 263, CHE 391
			CHE 343	Track Specialization 1 (Food & Drug Manufacturing)	3	0	3	
			ECON 323	Engineering Economics	3	0	3	Third Year Standing
TOTAL					19	12	23	

**Courses with Laboratory Fee

Name & Signature of Evaluator

SUMMER OR THIRD TERM, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS	UNITS	PRE-REQUISITE/CO-REQUISITE
			CHE 302	Chemical Engineering Immersion**	240	2	Passed all previous Professional Subjects
TOTAL					240	2	

**Courses with Laboratory Fee

Name & Signature of Evaluator

FOURTH YEAR, FIRST SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			CHE 412	Chemical Engineering Design 1**	1	3	2	CHE 324,CHE 344, CHE 323
			CHE 433	Biochemical Engineering	3	0	3	CHE 344, CHE 215
			CHE 411L	Chemical Engineering Lab 2**	0	3	1	CHE 321L
			CHE 451L	Chemical Process Lab**	0	3	1	CHE 412
			MGT 412	Engineering Management	2	0	2	ECON 223
			CHE 471	Chemical Engineering Laws and Ethics	1	0	1	GEN ED 006
			CHE 411	Process Safety	1	0	1	4 th Year Standing
			CHE 413	Track Specialization 2 (Packaging Technology)	3	0	3	CHE 343
TOTAL					11	9	14	

**Courses with Laboratory Fee

Name & Signature of Evaluator

FOURTH YEAR, SECOND SEMESTER, SY _____

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
		ok	CHE 423	Chemical Engineering Design 2**	2	3	3	CHE 412
		Ok	CHE 443	Process Dynamics and Control**	2	3	3	CHE 263
		Ok	GEN EL 003	Technopreneurship	3	0	3	MGT 412
		Ok	CHE 463	Industrial Waste Management and Control	3	0	3	ENV 313, CHE 323
		Ok	CHE 441	Plant Inspections and Seminars**	0	3	1	CHE 412
		ok	CHE 403	Track Specialization 3 (Biotechnology)	3	0	3	CHE 413
		ok	CHE 402C	Special Topics**	0	6	2	Passed all previous Professional Subjects
TOTAL					13	15	18	

**Courses with Laboratory Fee

GRAND TOTAL: 188 units

Name & Signature of Evaluator

Note: The nth Year Standing means that the student must have completed at least 75% of the load requirements of the previous year level.

SUGGESTED TRACK SPECIALIZATIONS:

- A. Food and Drug Manufacturing

B. Packaging Technologies

C. Biotechnology

D. Energy Engineering

E. Environmental Management
- F. Petrochemical Engineering

G. Paints and Coating Technology

H. Materials and Science Engineering

J. Emerging Technologies

SUMMARY	No. of Units	SUMMARY	No. of Units
I.TECHNICAL COURSES		II. NON-TECHNICAL COURSES	
A. MATHEMATICS	25	A. GENERAL EDUCATION	24
B. NATURAL/PHYSICAL SCIENCES	8	B. GENERAL EDUCATION ELECTIVES	9
C. BASIC ENGINEERING SCIENCES	7	C. MANDATED COURSE	3
D. ALLIED COURSES	22	D. PHYSICAL EDUCATION	8
E. PROFESSIONAL COURSES		E. NSTP	6
1. CORE COURSES	62	F. ADD-ON (DRR)	3
2. ELECTIVES	11		
		TOTAL	188