



COMMISSION ON HIGHER EDUCATION
REGIONAL OFFICE VIII

27 June 2023

DR. DENNIS DE PAZ

University President
Eastern Visayas State University
Salazar Street, Quarry District
Tacloban City

Attention: **ENGR. ROQUE CONSTINIANO**
Head, Industrial Engineering Department

Dear **Dr. De Paz**:

Greetings!

This pertains to the attached revised curriculum the institution submitted for its BS Industrial Engineering (BSIE) program effective AY 2021 – 2022.

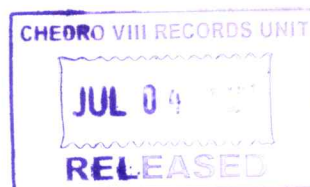
After evaluating the said document, please be informed that the same conforms to CMO No. 92, series of 2018 also known as the *"Policies, Standards, and Guidelines for the Bachelor of Science in Civil Engineering (BSCE) Program Effective Academic Year (AY) 2018 – 2019"*; CMO No. 20, series of 2013 also known as the *"General Education Curriculum: Holistic Understandings, Intellectual and Civic Competencies"*; and, CMO No. 39, series of 2021 also known as the *"Policies, Standards and Guidelines on the Implementation of Tertiary Physical Education: Physical Activity Towards Health and Fitness (PATHFIT) Courses"*, hence, duly noted by this Office.

Thank you.

Very truly yours,

MAXIMO C. ALJIBE, Ph.D., DPM, CESO III
Director IV

Encl: As stated





OFFICE OF THE INDUSTRIAL ENGINEERING DEPARTMENT
BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING (BSIE)
BSIE Curriculum Effective First Semester, S.Y. 2021-2022
CHED Memorandum Order No. 96, s. 2017
EVSU Board Resolution No. 87 S.2020

FIRST YEAR, FIRST SEMESTER

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			Math 113	College Algebra	3		3	None
			Math 133	Plane & Spherical Trigonometry	3		3	None
			Math 153	Analytic Geometry	3		3	None
			Math 112	Solid Mensuration	2		2	None
			GEN ED 003	Readings in Philippine History	3		3	None
			GEN EL 001	People & the Earth's Ecosystem	3		3	None
			COMP 112*	Computer Fundamentals & Programming	-	6	2	None
			IE 111	Industrial Engineering Orientation	1		1	None
			PATHFIT 112	Movement Competency Training	-	2	2	None
			NSTP 113	National Service Training Program 1	3		3	None
Total					21	8	25	

*Computer Course with computer fee **Courses with laboratory fee

FIRST YEAR, SECOND SEMESTER

GRADE			COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
					LEC	LAB		
			Math 124	Calculus 1 (Differential Calculus)	4		4	Math 113, Math 133
			Chem 124**	Chemistry for Engineers	3	3	4	None
			CAD 121*	Computer Aided Drafting		3	1	None
			GEN ED 002	Understanding the Self	3		3	None
			GEN ED 004	Math in the Modern World	3		3	None
			GEN ED 005	Art Appreciation	3		3	None
			GEN ED 006	Code of Conduct, Ethics & Laws for IE	3		3	None
			GEN ED 007	Contemporary World for IE	3		3	None
			PATHFIT 122	Exercise-based Fitness Activities		2	2	None
			NSTP 123	National Service Training Program 2	3		3	None
Total					25	8	29	

*Computer Course with computer fee ** Courses with laboratory fee

SECOND YEAR, FIRST SEMESTER

SECOND YEAR, FIRST SEMESTER			GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
						LEC	LAB		
				Math 214	Calculus 2 (Integral Calculus)	4		4	Math 124
				Phys 214	Physics for Engineers	3	3	4	Math 214
				STAT 213	Statistical Analysis for IE 1	3		3	None
				ACCTG 213	Financial Accounting	3		3	None
				ECON 213	Principles of Economics	3		3	None
				IE 213	Industrial Organization & Management	3		3	2 nd Year Standing
				DRR 213	Disaster Risk Reduction	3		3	None
				GEN EL 002	Living in the IT Era (for IE)	3		3	None
				PATHFIT 212	Dance Sport, Group Exercise, Outdoor & Adventure Activities 1		2	2	None
Total						25	5	28	

** Courses with laboratory fee

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Noted by:
Date: 6/27/23
Position: Dean



OFFICE OF THE INDUSTRIAL ENGINEERING DEPARTMENT

SECOND YEAR, SECOND SEMESTER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	Math 223	Differential Equations	3		3	Math 214
	IE 223	Advanced Math for IE	3		3	Math 223
	Mech 223	Engineering Mechanics	3		3	Phys 214
	STAT 223	Statistical Analysis for IE 2	3		3	STAT 213
	ACCTG 223	Managerial Accounting	3		3	ACCTG 213
	IE 244**	Work Study & Measurement	3	3	4	IE 213, IE 263, Stat213
	IE 263**	Industrial Materials & Processes	2	3	3	Chem 124, Phys 214
	GEN EL 003	The Entrepreneurial Mind for IE	3		3	None
	PATHFIT 222	Dance Sport, Group Exercise, Outdoor & Adventure Activities 2		2	2	None
Total			23	8	27	

**Courses with laboratory fee

THIRD YEAR, FIRST SEMESTER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	IE 313	Operations Research 1	3		3	IE 223
	IE 333	Quality Management Systems	3		3	STAT 223, IE 244
	IE 353**	Ergonomics 1	2	3	3	IE 244
	IE 373	Industrial Psychology	3		3	3 rd Year Standing
	IE 393	Thermodynamics	3		3	Math 214
	EL 313	IE Elective 1 (Risk Management)	3		3	3 rd Year Standing
	ME 133	Machine Elements	2	3	3	IE 263
	RIZAL 001	Rizal's Life and Works	3		3	None
Total			22	6	24	

**Courses with laboratory fee

THIRD YEAR, SECOND SEMESTER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	IE 323	Operations Research 2	3		3	IE 313
	IE 344	Operations Management	3	3	4	IE 313, IE 333
	IE 363**	Ergonomics 2	2	3	3	IE 353
	IE 383	Facilities Planning and Design	3		3	3 rd Year Standing
	IE 3103	Basic Occupational Safety & Health	3		3	3 rd Year Standing
	ECON 323	Engineering Economics	3		3	None
	TECHNO 111	Technopreneurship	3		3	3 rd Year Standing
	GEN ED 001	Purposive Communication	3		3	None
Total			23	6	25	

SUMMER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	IE 302	IE Industry Immersion & Field Trip/Educational Tour		240	2	Regular 3 rd Year Standing
Total				240	2	

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FOURTH YEAR, FIRST SEMESTER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	IE 413	Project Feasibility	2	3	3	ACCTG 223, IE 344
	IE 433	Supply Chain Management	3		3	IE 344
	IE 453	Information Systems	3		3	COMP112, IE 373, Regular 4 th Year
	IE 473	Systems Engineering	3		3	IE 453, Regular 4 th Year
	EL 483	IE Elective 2 (Personnel Management)	3		3	Regular 4 th Year Standing
	EE 413	Elementary Electrical & Electronics Engineering	3		3	Phys 214
Total			17	3	18	

**Courses with laboratory fee

FOURTH YEAR, SECOND SEMESTER

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS/WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	IE 423	IE Capstone Project	1	6	3	Regular 4 th Year Standing
	EL 443	IE Elective 3 (Strategic Management & Business Policy)	3		3	Regular 4 th Year Standing
	EL 463	IE Elective4 (Correlation Course)	3		3	Regular 4 th Year Standing
	ENV 111	Environmental Science	3		3	Regular 4 th Year Standing
	GEN ED 008	Science, Technology & Society	3		3	None
Total			13	6	15	

**Courses with laboratory fee

SUMMARY

CLASSIFICATION/FIELD	TOTAL NUMBER OF UNITS	
	CHED CMO 96, S. 2017	BSIE CURRICULUM
I. TECHNICAL COURSES		
A. Mathematics	9	22
B. Natural/Physical Sciences	8	8
C. Basic Engineering Sciences	15	16
D. Allied Courses	18	27
E. Professional Courses (Core Courses & Electives)	64	67
Sub-Total	114	140
II. NON-TECHNICAL COURSES		
A. Required General Education Courses	24	24
B. General Education Electives	9	9
C. Mandated Course	3	3
D. Physical Education	8	8
E. National Service Training Program	6	6
F. Add-on (DRR)	-	3
Sub-Total	50	53
Grand Total	164	193

Noted by:
ANTONIO A. LIM, EdD, PE, MAE
Education Supervisor II
6/29/23

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COMPONENTS

LIST OF COURSES			
CHED CMO 96, S. 2017		BSIE CURRICULUM	
CLASSIFICATION/FIELD	NO. OF UNITS	CLASSIFICATION/FIELD	NO. OF UNITS
I. TECHNICAL COURSES		I. TECHNICAL COURSES	
A. Mathematics		A. Mathematics	
Calculus 1	3	College Algebra	3
Calculus 2	3	Plane & Spherical Trigonometry	3
Differential Equations	3	Analytic Geometry	3
		Solid Mensuration	2
		Calculus 1 (Differential Calculus)	4
		Calculus 2 (Integral Calculus)	4
		Differential Equations	3
Sub-Total	9	Sub-Total	22
B. Natural/Physical Sciences		B. Natural/Physical Sciences	
Chemistry for Engineers	4	Chemistry for Engineers	4
Physics for Engineers	4	Physics for Engineers	4
Sub-Total	8	Sub-Total	8
C. Basic Engineering Sciences		C. Basic Engineering Sciences	
Computer Aided Drafting	1	Computer Aided Drafting	1
Computer Fundamentals and Programming	2	Computer Fundamentals and Programming	2
Engineering Mechanics	3	Engineering Mechanics	3
Engineering Economics	3	Engineering Economics	3
Basic Occupational Safety & Health	3	Basic Occupational Safety & Health	3
Technopreneurship 101	3	Technopreneurship	3
		Industrial Engineering Orientation	1
Sub-Total	15	Sub-Total	16
D. Allied Courses		D. Allied Courses	
Principles of Economics	3	Principles of Economics	3
Financial Accounting	3	Financial Accounting	3
Managerial Accounting	3	Managerial Accounting	3
Thermodynamics	3	Thermodynamics	3
Elementary Electrical Engineering	3	Elementary Electrical & Electronics Engineering	3
Environmental Science	3	Environmental Science	3
		Industrial Psychology	3
		Machine Elements	3
		Facilities Planning and Design	3
Sub-Total	18	Sub-Total	27
E. Professional Courses		E. Professional Courses	
1. Core Courses		1. Core Courses	
Advanced Mathematics for IE	3	Advanced Mathematics for IE	3
Industrial Materials & Processes	3	Industrial Materials & Processes	3
Industrial Organization & Management	3	Industrial Organization & Management	3
Statistical Analysis for IE 1	3	Statistical Analysis for IE 1	3
Statistical Analysis for IE 2	3	Statistical Analysis for IE 2	3
Work Study & Measurement	4	Work Study & Measurement	4
Operations Research 1	3	Operations Research 1	3
Operations Research 2	3	Operations Research 2	3
Quality Management Systems	3	Quality Management Systems	3
Project Feasibility	3	Project Feasibility	3
Ergonomics 1	3	Ergonomics 1	3
Ergonomics 2	3	Ergonomics 2	3
Operations Management	4	Operations Management	4
IE Industry Immersion	2	IE Industry Immersion & Field Trip/Educational Tour	2
Supply Chain Management	3	Supply Chain Management	3

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Information Systems	3	Information Systems	3
Systems Engineering	3	Systems Engineering	3
IE Capstone Project	3	IE Capstone Project	3
Sub-Total	55	Sub-Total	55
2. Electives		2. Electives	
IE Elective 1	3	IE Elective 1(Risk Management)	3
IE Elective 2	3	IE Elective 2 (Personnel Management)	3
IE Elective 3	3	IE Elective 3 (Strategic Management & Business Policy)	3
		IE Elective4(Correlation Course)	3
Sub-Total	9	Sub-Total	12
Total Professional Courses	64	Total Professional Courses	67
Total Technical Courses	114	Total Technical Courses	140
I. NON-TECHNICAL COURSES		I. NON-TECHNICAL COURSES	
A. Required General Education		A. Required General Education	
Understanding the Self	3	Understanding the Self	3
Readings in Philippine History	3	Readings in Philippine History	3
The Contemporary World	3	The Contemporary World for IE	3
Math in the Modern World	3	Math in the Modern World	3
Purposive Communication	3	Purposive Communication	3
Ethics	3	Code of Conduct, Ethics, & Laws for IE	3
Art Appreciation	3	Art Appreciation	3
Science, Technology, & Society	3	Science, Technology, & Society	3
Sub-Total	24	Sub-Total	24
B. General Education Electives		B. General Education Electives	
General Education Elective	3	People & the Earth's Ecosystem	3
General Education Elective	3	Living in the IT Era (for IE)	3
General Education Elective	3	The Entrepreneurship Mind for IE	3
Sub-Total	9	Sub-Total	9
C. Mandated Course		C. Mandated Course	
Life & Works of Rizal	3	Rizal's Life & Works	3
Sub-Total	3	Sub-Total	3
D. Physical Education		D. Physical Education	
P.E. 1	2	Movement Competency Training	2
P.E. 2	2	Fitness Training	2
P.E. 3	2	Dance Sport, Group Exercise, Outdoor and Adventure Activities 1	2
P.E. 4	2	Dance Sport, Group Exercise, Outdoor and Adventure Activities 2	2
Sub-Total	8	Sub-Total	8
E. National Service Training Program		E. National Service Training Program	
N.S.T.P 1	3	National Service Training Program 1	3
N.S.T.P 2	3	National Service Training Program 2	3
Sub-Total	6	Sub-Total	6
		F. Disaster Risk Reduction	3
		Sub-Total	3
Total Non-Technical Courses	50	Total Non-Technical Courses	53
GRAND TOTAL	164	GRAND TOTAL	193

[Signature]
6/27/23

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OFFICE OF THE INDUSTRIAL ENGINEERING DEPARTMENT

Admission and Retention Policy of the College of Engineering
as per Board Resolution No. 110, Series of 2009

1. A student who, at the end of the semester, obtains a failing grade in one (1) of the subjects for which he has registered will receive a **FIRST WARNING** from the Dean through the recommendation of the Head, to improve his work.
2. A student will receive a **FINAL WARNING** and be given a Probationary Status from the Dean through the recommendation of the Head if:
 - i. at the end of the semester, he obtains a failing grade in two (2) of the subjects in which he has final grades.
 - ii. he failed two (2) times successive in the same subject.

A student who receives a **FINAL WARNING** shall have his load for the succeeding semester limited to the extent which shall be determined by the Dean through the recommendation of the Head and may undergo counseling either by the Guidance counselor or academic adviser or both

Any student who has received two successive warnings shall be placed on probation. Probation may be lifted the following semester if the student passes all his subjects in whom he/she has final grades.

A "First or Final Warning" may be removed by passing with grades of "3.0" or "Better" in all of the subjects he is registered during the succeeding semester.

3. A student shall be **DISMISSED** from the college if:
 - a. at the end of the semester, he failed in three (3) or more of the subjects in which he has final grades.
 - b. he failed three times successively in the same subject.
 - c. he/she failed to earn a grade of 3.0 or better in all of the subjects he is registered while he is on Probationary Status. However, he/she may be readmitted to another College of the University to which he/she qualifies.
 - d. he/she earns an accumulated failing grade of 18 units or more at the end of any semester from 1st year to 3rd year
 - e. in the 4th and 5th year, he/she fails 9 units in a semester and will only be accepted after seeking approval from the college Dean; those with accumulated failures of 18 units need to submit Program of Study subject to approval of the Dean

A student who is admitted into the College must pass all his deficiencies in the Mathematics, Chemistry, Physics, and English courses within three school years of actual residence in the University.

NOTE:

- If a student fails a subject but re-enrolls it and receives a grade of 2.5 or higher during the latter semester, the original failure will not be counted in the accumulation.
- A student who gets disqualified in the college of engineering may be readmitted in other college provided they meet the admission requirements and his abilities fit for that program upon the recommendation of the Guidance Counselor and Dean of the College he is enrolled in.
- Dismissal does not apply to cases where, on the recommendation of the faculty concerned, he certifies that the grade of "5.0" were due to the students unauthorized dropping of the subjects and not to poor scholarship.
- However, if the unauthorized withdrawal takes place after the mid-semester and the student's class standing is poor, his grades of "5.0" shall be counted against him for the purpose of this scholarship rule. The Dean shall deal with those cases on their individual services; provided, that in no case of readmission to the same College shall the action be lighter than "Final Warning".
- Grades of "Inc." must be completed and grades of "conditional failure" removed before the close of registration for the first semester of the next school year in order to be credited.
- For the purpose of definition, a school year will consist of two semesters and one summer session.

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- One semester will be equivalent to 3/7 of a school year, and one summer will be equivalent to 1/7 of a school year

Prepared By


ROQUE A. COSTINIANO, MBA
Head, IE Department

Noted:


RAMON I. LIM, PME
Dean, College of Engineering


Enma A. Lim
Education Supervisor II
6/27/23