

## **Bachelor of Science in Civil Engineering**

### **FIRST YEAR**

#### **1-First Semester**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BEED 1-2	Engineering Drawing	2
CHEM 1-1L	General Chemistry (Laboratory)	1
CHEM 1-3	General Chemistry (Lecture)	3
ENG 1-3	English language Proficiency	3
FIL 1-3	Filipino 1 (Komunikasyon sa Akademikong Pilipino)	3
MATH 1E-3a	College Algebra	3
MATH 2E-3	Plane and Spherical Trigonometry	3
NSTP 1-3	Theory: Civic Welfare Training Service/ Literacy Training Service/Military Training	3
THEO 1A-3	Philosophical Anthropology (Introduction to the Foundation of the Human Search for God)	<u>3</u>
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#### **1-Second Semester**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
ENG 2-3	Paragraph Writing, Composition Writing and Research Paper Writing	3
FIL 2-3	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
MATH 1E-2b	Advanced Algebra	2
MATH 3E-3	Analytic Geometry	3
MATH 4E-2	Solid Mensuration	2
NSTP 2-3	Theory: Civic Welfare Training Service/ Literacy Training Service/Military Training	3
PE 2-2	Fundamentals of Rhythmic Activities	2
PHYSE 1-1L	College Physics 1 (Laboratory)	1
PHYSE 1-3	College Physics (Lecture)	3
HUM 1-3	Art Education and Appreciation	3
THEO 2A-3	Christology (Introduction to the Life and Ministry of Jesus of Nazareth)	<u>3</u>
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## SECOND YEAR

### 2-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BECF3-2L	Computer Fundamentals and Programming Lab	2
ENG 3E-3	Technical Communication	3
PHILO 1-3	Logic and Critical Thinking	3
MATH 5E-4	Differential Calculus	4
PE 3-2	Fundamentals of Individual/Dual Sports (With Basic Swimming Lessons)	2
PHYSE 2-1L	College Physics 2 (Laboratory)	1
PHYSE 2-3	College Physics 2 (Lecture)	3
SOCSoci 1B-3	Society, Culture and Family Planning	3
THEO 3A-3	Church and Sacraments (Introduction to the Nature and Demands of Living in a Christian Community)	<u>3</u>
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### 2-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
EE1-3	Basic Electrical Engineering	3
HIST 2-3	Life and Works of Rizal	3
MATH 6E-4	Integral Calculus	4
MATH 7E-3	Probability and Statistics	3
LIT 1-3	Philippine Literature with Emphasis on Kapampanga Lit	3
PE 4-2	Fundamentals of Team Sports	2
HIST 1A-3	Philippine History, Government and Constitution	3
THEO 4A-3	Christian Morality	<u>3</u>
		3

## THIRD YEAR

### 3-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CEECON 1-3	Engineering Economy	3
CEST 1-3	CE Estimates	3
CEEST 1L	Surveying 1 (Elementary and Higher Surveying Laboratory)	1
CES 1-3	Surveying 1( Elementary and Higher Surveying Lecture)	3
ES 1-3	Statistics of Rigid Bodies	3
MATH 8E-3	Differential Equations	3
PSYCH 1A-3	General Psychology (with Drug Education, Gender and Development)	3
ME 1-3	Basic Mechanical Engineering	<u>3</u>
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### **3-Second Semester**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BEEES-2	Environmental Engineering	2
ES 2-3	Dynamic of Rigid Bodies	3
CEMATH 9-3	Advanced Engineering Mathematics for CE	3
CEM 1-3	Engineering Management	3
CES2-1F	Route Surveys (Field)	1
CES 2-3	Route Surveys (Lecture)	3
CESM 1-1	Safety Management	1
SOCSCI 2-3	Contemporary National Development	3
ES 3-3	Mechanics of Deformable Bodies	<u>3</u>

### **FOURTH YEAR**

#### **4-First Semester**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BD 1-1L	Building Design 1 (Laboratory)	1
BD 1-1	Building Design 1 (Lecture)	1
CEMT 1-1L	Construction Materials and Testing(Laboratoy)	1
CEMT 1-3	Construction Materials and Lecture (Lecture)	3
CEH1-1L	Mechanics of Fluids (Laboratory)	1
CEH 1-3	Mechanics of Fluid (Lecture)	3
CES 3-3	Highway Engineering	3
CEST1-1TL	Structural Theory 1 (Laboratory)	1
CEST 1-3	Structural Theory 1 (Lecture)	3
GTECH 1-1L	Geotechnical Engineering 1 (Soil Mechanics Laboratory)	1
GTECH 1-3	Geotechnical Engineering 1 (Soil mechanics Lecture)	<u>3</u>
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#### **4-First Semester**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
BD 2-1L	Building Design 2 (Laboratory)	1
BD 2-1	Building Design 2 (Lecture)	1
CEH2-3	Hydraulics (Lecture)	3
CEH 2-1L	Hydraulics (Laboratory)	1
CEH 3-3	Hydrology	3
BECAD 2-1	Computer Aided Drafting	1
CED 1-1TL	Structural Design 1 (Reinforced Concrete Laboratory)	1
CED 1-3	Structural Design 1 (Reinforced Concrete Lecture)	3
CEST 2-1TL	Structural Theory 2 (Laboratory)	1
CEST 2-3	Structural Theory 2 (Lecture)	3
CET 1-3	Transportation Engineering	<u>3</u>
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#### **Fourth Year Summer**

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CEOJT	CE On-the-Job Training	3

## FIFTH YEAR

### 5-First Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CEM2-1TL	Construction Method and Project Management (Lab)	1
CEM2-3	Construction Method and Project Management (Lec)	3
CED2-1TL	Structural Design 2 (Steel and Timber Laboratory)	1
CED 2-3	Structural Design 2 (Steel and Timber Lecture)	3
CEP 1-2TL	Civil Engineering Project (Laboratory)	2
CEH 4-3	Water Resources Engineering	3
GTECH 2-3	Geotechnical Engineering 2 (Foundation Engineering Lecture)	3
GTECH 2-1TL	Geotechnical Engineering 2 (Foundation Engineering Laboratory)	<u>1</u>
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## FIFTH YEAR

### 5-Second Semester

<u>Course Code</u>	<u>Course Description</u>	<u>Units</u>
CELCE 1-3	CE Laws, Contracts, Specification and Ethics	3
CEREV 1-3	CE Review	3
CETECH 1-3	Technical Elective 1	3
CETECH 2-3	Technical Elective 2	3
CETECH 3-3	Technical Elective 3	3
CETECH 4-3	Technical Elective 4	<u>3</u>
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