

ST. PETER'S COLLEGE
Iligan City

CURRICULUM FOR FOUR-YEAR COURSE IN
BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE)
STARTING SCHOOL YEAR 2020-2021

FIRST YEAR

FG	FIRST SEMESTER				LEC LAB CDT	FG	SECOND SEMESTER				LEC LAB CDT PREREQ/ COREQ				
					HRS HRS UNITS PREREQ					HRS HRS UNITS					
	GEC	1	Understanding the self	3	0	3	None		GEC	4	Mathematics in Modern World	3	0	3	None
	GEC	2	Readings in Philippine History	3	0	3	None		GEC	5	Purposive Communication	3	0	3	None
	GEC	3	Contemporary World	3	0	3	None		EM	2	Calculus 2	3	0	3	EM1
	EM	1	Calculus 1	3	0	3	None		Phys	1	Physics for Engineers Lec	3	0	3	EM1/EM2
	Chem	1	Chemistry for Engineers Lec	3	0	3	None		Phys	1.1	Physics for Engineers Lab	0	3	1	EM1/EM2
	Chem	1.1	Chemistry for Engineers Lab	0	3	1	None		BES	2.1	Computer-Aided Drafting	0	3	1	None
	FCE	1	Civil Engineering Orientation	2	0	2	None		FCE	2.1	Computer Fundamentals & Programming	0	6	2	None
	BES	1.1	Engineering Drawing & Plans	0	3	1	None		GEC	6	Art Appreciation	3	0	3	None
	PE	1	Path Fit 1	2	0	2	None		PE	2	Path Fit 2	2	0	2	PE1
	NSTP	1	National Service Training Program 1	3	0	3	None		NSTP	2	National Service Training Program 2	3	0	3	NSTP1
			TOTAL	22	6	24					TOTAL	20	12	24	

SECOND YEAR

FG	FIRST SEMESTER				LEC LAB CDT PREREQ/ COREQ	FG	SECOND SEMESTER				LEC LAB CDT PREREQ/ COREQ				
					HRS HRS UNITS					HRS HRS UNITS					
	EM	3	Engineering Data Analysis	3	0	3	EM1		EM	4	Differential Equations	3	0	3	EM2
	BES	3	Statics of Rigid Bodies	3	0	3	EM2,Phys1,1.1		BES	4	Dynamics of Rigid Bodies	3	0	3	BES3
	FCE	3	Fundamentals of Surveying Lec	5	0	5	BES1.1		ESC	5	Mechanics of Deformable Bodies	5	0	5	BES3
	FCE	3.1	Fundamentals of Surveying Lab	0	6	2	BES1.1		FCE	5	Construction Materials & Testing Lec	3	0	3	BES 3/ESC5
	BES	7	Engineering Economics	3	0	3	2nd yr standing		FCE	5.1	Construction Materials & Testing Lab	0	3	1	BES 3/ESC5
	GEC	7	Science, Technology & Society	3	0	3	None		GEC	9	Life & Works of Rizal	3	0	3	None
	GEC	8	Ethics	3	0	3	None		BES	12	Environmental Science & Engineering	3	0	3	Chem 1, 1.1
	FCE	4	Geology for Civil Engineers	2	0	2	Chem1,1.1		ACE	1	Engineering Utilities 1	3	0	3	Phys1, 1.1
	PE	3	Path Fit 3	2	0	2	PE2		PE	4	Path Fit 4	2	0	2	PE3
			TOTAL	24	6	26					TOTAL	25	3	26	

THIRD YEAR

FG	FIRST SEMESTER				LEC LAB CDT PREREQ	FG	SECOND SEMESTER				LEC LAB CDT PREREQ				
					HRS HRS UNITS					HRS HRS UNITS					
	FCE	6	Structural Theory Lec	6	0	6	ESC5		FCE	14	CE Law, Ethics and Contracts	3	0	3	3rd yr standing
	FCE	6.1	Structural Theory Lab	0	6	2	ESC5		FCE	9	Building Systems Design Lec	2	0	2	BES1.1
	FCE	7	Highway & Railroad Engineering	3	0	3	FCE3,FCE3.1		FCE	9.1	Building Systems Design Lab	0	3	1	BES1.1
	FCE	8	Numerical Solutions to CE Problems Lec	2	0	2	EM4		FCE	10	Concrete Lec	3	0	3	FCE6,6.1
	FCE	8.1	Numerical Solutions to CE Problems Lab	0	3	1	EM4		FCE	10.1	Concrete Lab	0	3	1	FCE6,6.1
	GEC	11	Language, Gender and Society	3	0	3	None		FCE	11	Principles of Steel Design Lec	3	0	3	FCE6,6.1
	ACE	2	Engineering Utilities 2	3	0	3	Phys1, 1.1		FCE	11.1	Principles of Steel Design Lab	0	3	1	FCE6,6.1
	GEC	10	History of the Muslim Filipinos and the Ips of Mindanao	3	0	3	None		FCE	12	Hydraulics Lec	5	0	5	BES4, ESC5
	BES	9	Engineering Management	3	0	3	3rd yr standing		FCE	12.1	Hydraulics Lab	0	3	1	BES4, ESC5
			TOTAL	23	9	26			FCE	13	Hydrology	3	0	3	3rd yr standing
									BES	11	Technopreneurship 101	3	0	3	BES9
											TOTAL	22	12	26	

FG	SUMMER				LEC LAB CDT PREREQ		
					HRS HRS UNITS		
	FCE	16	Principles of Transportation Engineering	3	0	3	FCE7
	PCE	1	Professional Course -Specialized 1	3	0	3	4th yr standing
	PCE	2	Professional Course -Specialized 2	3	0	3	4th yr standing
			TOTAL	9	0	9	

FOURTH YEAR

FG	FIRST SEMESTER				LEC LAB CDT PREREQ	FG	SECOND SEMESTER				LEC LAB CDT PREREQ				
					HRS HRS UNITS					HRS HRS UNITS					
	FCE	15	Geotechnical Engg 1 Lec	4	0	4	FCE4,ESC5		FCE	18	CE Project 2 Lec	1	0	1	FCE17,FCE17.1
	FCE	15.1	Geotechnical Engg 1 Lab	0	3	1	FCE4,ESC5		FCE	18.1	CE Project 2 Lab	0	3	1	FCE17,FCE17.1
	FCE	17	CE Project 1 Lec	1	0	1	4th yr standing		FCE	19	Quantity Surveying Lec	2	0	2	FCE 9,9.1
	FCE	17.1	CE Project 1 Lab	0	3	1	4th yr standing		FCE	19.1	Quantity Surveying Lab	0	3	1	FCE 9,9.1
	PCE	3	Professional Course -Specialized 3	3	0	3	4th yr standing		FCE	30	On-the-Job Training (240 hrs)	2	3	3	4th yr standing
	FCE	20	Construction Methods & Project Management	3	0	3	4th yr standing				TOTAL	5	9	8	
	PCE	4	Professional Course -Specialized 4	3	0	3	4th yr standing								
	PCE	5	Professional Course -Specialized 5	3	0	3	4th yr standing								
	GEC	12	Ecocriticism and Conservation of Nature	3	0	3	None								
			TOTAL	20	6	22									

Specialized professional Courses

Structural Engineering:
Earthquake Engineering
Reinforced Concrete Design
Prestressed Concrete Design
Design of Steel Structures
Foundation and Retaining Wall Design

Water Resources Engineering:
Water Resources Engineering
Flood Control & Drainage Design
Irrigation Engineering
Water Supply Planning & Development
River Engineering

Geotechnical Engineering:
Geotechnical Engineering 2(Rock Mechanics)
Foundation Engineering
Geotechnical Earthquake Engineering
Ground Improvement

ID. NO. FAMILY NAME FIRST NAME MI

MARIA SOCORRO M. DECIERDO, MBM
CE CHAIRMAN

ROSALINDA C. BALACUIT, MS MetE
DEAN, COE

CARMELITA P. PUNONGBAYAN, MA
EO-Academic Affairs