

**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	<b>FIRST SEMESTER</b>				LEC	LAB	CDT	PREREQ	FG	<b>SECOND SEMESTER</b>				LEC	LAB	CDT	PREREQ/ COREQ
					HRS	HRS	UNITS			HRS	HRS	UNITS		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
			<b>TOTAL</b>		<b>22</b>	<b>6</b>	<b>24</b>					<b>TOTAL</b>		<b>20</b>	<b>12</b>	<b>24</b>	

**SECOND YEAR**

FG	<b>FIRST SEMESTER</b>				LEC	LAB	CDT	PREREQ/ COREQ	FG	<b>SECOND SEMESTER</b>				LEC	LAB	CDT	PREREQ/ COREQ
					HRS	HRS	UNITS			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		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
			<b>TOTAL</b>		<b>24</b>	<b>6</b>	<b>26</b>					<b>TOTAL</b>		<b>25</b>	<b>3</b>	<b>26</b>	

**THIRD YEAR**

FG	<b>FIRST SEMESTER</b>				LEC	LAB	CDT	PREREQ	FG	<b>SECOND SEMESTER</b>				LEC	LAB	CDT	PREREQ
					HRS	HRS	UNITS			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
			<b>TOTAL</b>		<b>23</b>	<b>9</b>	<b>26</b>			FCE	13	Hydrology		3	0	3	3rd yr standing
										BES	11	Technopreneurship 101		3	0	3	BES9
												<b>TOTAL</b>		<b>22</b>	<b>12</b>	<b>26</b>	

FG	<b>SUMMER</b>				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
			<b>TOTAL</b>		<b>9</b>	<b>0</b>	<b>9</b>	

**FOURTH YEAR**

FG	<b>FIRST SEMESTER</b>				LEC	LAB	CDT	PREREQ	FG	<b>SECOND SEMESTER</b>				LEC	LAB	CDT	PREREQ
					HRS	HRS	UNITS			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				<b>TOTAL</b>		<b>5</b>	<b>9</b>	<b>8</b>	
	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									
			<b>TOTAL</b>		<b>20</b>	<b>6</b>	<b>22</b>										

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  
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