

JOSE MARIA COLLEGE
Philippine-Japan Friendship Highway, Sasa, Davao City

COLLEGE OF ENGINEERING EDUCATION
BACHELOR OF SCIENCE IN CIVIL ENGINEERING MAJOR IN STRUCTURAL ENGINEERING
(BASED ON CMO 92, SERIES 2017)
AY 2018 - 2019

NAME OF STUDENT: _____

FIRST YEAR

FIRST SEMESTER						SECOND SEMESTER					
	Pre-req		Lec	Lab	Unit		Pre-req		Lec	Lab	Unit
___ GE 2	None	Mathematics in Modern World	3	0	3	___ GE 4	None	Readings in Philippine History	3	0	3
___ GE 7	None	Science, Technology and Society	3	0	3	___ GE 5	None	Contemporary World	3	0	3
___ GE Elect 1	None	Filipino 1	3	0	3	___ GE Elect 2	GE Elect 1	Filipino 2	3	0	3
___ Math 111	None	Calculus 1 (Differential Calculus)	3	0	3	___ Math 121	Math 111	Calculus 2 (Integral Calculus)	3	0	3
___ NatSci 111	None	Chemistry for Engineers	3	1	4	___ NatSci 121	Math 111	Physics for Engineers (Calculus Based)	3	1	4
___ BES 111	None	Civil Engineering Orientation	2	0	2	___ BES 121	GE 2	Engineering Drawing and Plans	0	1	1
___ PE 1	None	Physical Education 1	-	-	2	___ PE 2	PE 1	Physical Education 2	-	-	2
___ NSTP 1	None	CMT 1/ CWTS 1	-	-	3	___ NSTP 2	NSTP 1	CMT 2/ CWTS 2	-	-	3
___ SF 1	None	Student Formation 1	-	-	1	___ SF 2	None	Student Formation 2	-	-	1
TOTAL			<u>24</u>			TOTAL			<u>23</u>		

SUMMER					
	Pre-req		Lec	Lab	Unit
___ GE Elect 3	GE Elect 2	Filipino 3	3	0	3
___ GE 6	None	Art Appreciation	3	0	3
___ Rizal	None	Life and Works of Rizal	3	0	3
TOTAL			<u>9</u>		

SECOND YEAR

FIRST SEMESTER						SECOND SEMESTER					
	Pre-req		Lec	Lab	Unit		Pre-req		Lec	Lab	Unit
___ GE 1	None	Understanding the Self	3	0	3	___ MATH 221	GE 2	Engineering Data Analysis	3	0	3
___ GE 3	None	Purposive Communication	3	0	3	___ NatSci 221	NatSci 111	Geology for Civil Engineers	2	0	2
___ Math 211	Math 121	Differential Equations	3	0	3	___ BES 221	BES 212	Dynamics of Rigid Bodies	2	0	2
___ BES 211	None	Computer Fundamentals and Programming	0	2	2	___ BES 222	BES 212	Mechanics of Deformable Bodies	4	0	4
___ BES 212	BES 121	Computer Aided Drafting	0	1	1	___ BES 223	2nd Yr Standing	Engineering Economics	3	0	3
___ BES 213	Math 121, NatSci 121	Statics of Rigid Bodies	3	0	3	___ BES 224	2nd Yr Standing	Engineering management	2	0	2
___ CEC 211	Math 111, BES 121	Fundamentals of Surveying	3	1	4	___ CEC 221	2nd Yr Standing	Construction Materials and Testing	2	1	3
___ PE 3	PE 2	Physical Education 3	-	-	2	___ PE 4	PE 3	Physical Education 4	-	-	2
___ SF 3	None	Student Formation 3	-	-	1	___ SF 4	None	Student Formation 4	-	-	1
TOTAL			<u>22</u>			TOTAL			<u>22</u>		

SUMMER					
	Pre-req		Lec	Lab	Unit
___ ACE 311	NatSci 121	Engineering Utilities 1	3	0	3
___ ACE 312	NatSci 121	Engineering Utilities 2	3	0	3
___ GE 8	None	Ethics	3	0	3
TOTAL			<u>9</u>		


THIRD YEAR

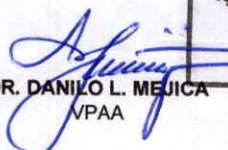
FIRST SEMESTER						SECOND SEMESTER					
	Pre-req		Lec	Lab	Unit		Pre-req		Lec	Lab	Unit
___ CEC 311	BES 222	Structural Theory	3	1	4	___ BES 321	3rd Yr Standing	Technopreneurship	3	0	3
___ CEC 312	CEC 211	Highway and Railroad Engineering	3	0	3	___ CEC 321	CEC 312	Principle of Transportation Engineering	3	0	3
___ CEC 313	BES 121	Building Systems Design	2	1	3	___ CEC 322	CEC 311	Principles of Steel Design	2	1	3
___ CEC 314	3rd Yr Standing	CE Laws, Ethics and Contracts	2	0	2	___ CEC 323	CEC 311	Principles of Reinforced/Prestressed Concrete	3	1	4
___ CEC 315	BES 222	Hydraulics	4	1	5	___ CEC 324	3rd Yr Standing	Hydrology	2	0	2
___ Math 311	BES 122 & Math 211	Numerical Solutions to CE Problems	2	1	3	___ CEC 325	CEC 313	Construction Methods & Project Management	3	0	3
___ SF 5	None	Student Formation 5	-	-	1	___ CEC 326	3rd Yr Standing	CE Project 1 (Research Methods)	2	1	3
TOTAL			<u>21</u>			___ SF 6	None	Student Formation 6	-	-	1
TOTAL			<u>22</u>			TOTAL			<u>22</u>		

SUMMER					
	Pre-req		Lec	Lab	Unit
___ OJT for CE	CEC 321 & CEC 323	On-the-Job Training (240 hours)	2	1	3
TOTAL			<u>3</u>		

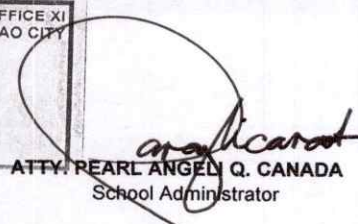
FOURTH YEAR

FIRST SEMESTER						SECOND SEMESTER					
	Pre-req		Lec	Lab	Unit		Pre-req		Lec	Lab	Unit
___ CEC 411	NatSci 221, BES 222	Geotechnical Engineering 1 (Soil Mechanics)	3	1	4	___ CES 421S	4th Yr Standing	Computer Softwares in Structural Analysis	1	2	3
___ CEC 412	CEC 313	Quantity Surveying	1	1	2	___ Corre 421	4th Yr Standing	CE Correlation Course- Mathematics	5	0	5
___ CEC 421	CEC 326	CE Project 2 (Specialization Project)	1	1	2	___ Corre 422	4th Yr Standing	CE Correlation Course- Hydraulics & Geotech	3	0	3
___ CES 411S	4th Yr Standing	Earthquake Engineering	3	0	3	___ Corre 423	4th Yr Standing	CE Correlation Course- Design	4	0	4
___ CES 412S	4th Yr Standing	Bridge Engineering	3	0	3	___ SF 8	None	Student Formation 8	-	-	1
___ CES 413S	4th Yr Standing	Foundation and Retaining Wall Design	3	0	3	TOTAL			<u>16</u>		
___ SF 7	None	Student Formation 7	-	-	1	TOTAL			<u>18</u>		


ENGR. ROLDAN G. SUAZO
Dean of College


DR. DANILLO L. MEJICA
VPAA




ATTY. PEARL ANGELI Q. CANADA
School Administrator