

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

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

NAME OF STUDENT: \_\_\_\_\_

FIRST YEAR											
FIRST SEMESTER				SECOND SEMESTER							
Code	Pre-req	Description	Lec	Lab	Unit	Code	Pre-req	Description	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	None	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											
Code	Pre-req	Description	Lec	Lab	Unit						
GE Elect 3	None	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							
Code	Pre-req	Description	Lec	Lab	Unit	Code	Pre-req	Description	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											
Code	Pre-req	Description	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							
Code	Pre-req	Description	Lec	Lab	Unit	Code	Pre-req	Description	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>			TOTAL			<u>22</u>		

SUMMER											
Code	Pre-req	Description	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							
Code	Pre-req	Description	Lec	Lab	Unit	Code	Pre-req	Description	Lec	Lab	Unit
CEC 411	NatSci 221, BES 222	Geotechnical Engineering 1 (Soil Mechanics)	3	1	4	CES 421C	4th Yr Standing	Construction Occupational Safety and Health (COSH)	3	0	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 & Geotechnics	3	0	3
CES 411C	4th Yr Standing	Project Construction & Management	3	0	3	Corre 423	4th Yr Standing	CE Correlation Course- Design	4	0	4
CES 412C	4th Yr Standing	Construction Methods & Equipment	3	0	3	SF 8	None	Student Formation 8	-	-	1
CES 413C	4th Yr Standing	Construction Cost Engineering	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. DANILO L. MEJICA**  
VPAA



**ATTY. PEARL ANGEL Q. CANADA**  
School Administrator