



FIRST YEAR First Semester

FG	Course No.	Course Title	Units
	CE.111	Civil Engineering Orientation	2
	CE.112	Computer Fundamentals and Programming	6
	ENG.111	Pre-Calculus Mathematics	4
	ENG.112	Calculus 1: Differential Calculus	3
	ENG.102	Chemistry for Engineers	6
	MATMOD	Mathematics in the Modern World	3
	FFP1	Freshman Formation Program	3
	NSTP1	NSTP	3
	PATHFIT 1	Movement Enhancement	2
		Total	32

Second Semester

FG	Course No.	Course Title	Units
	CE.121	Engineering Drawing and Plans	3
	ENG.121	Calculus 2: Integral Calculus	3
	ENG.101	Physics 1: Physics for Engineers	6
	UNDESELF	Understanding the Self	3
	PURCOM	Purposive Communication	3
	SPIECO	Spirituality & Ecology in the Christian, Ignatian & Islamic Trad	3
	FFP2	Freshman Formation Program	3
	NSTP2	NSTP	3
	PATHFIT2	Fitness Exercise	2
		Total	29

SUMMER

FG	Course No.	Course Title	Units
	CE.131	Computer-Aided Design for CE	3
	ENG.132	Engineering Management for CE	2
	ENG.032	Engineering Data Analysis	3
		Total	8

SECOND YEAR First Semester

FG	Course No.	Course Title	Units
	CE.211	Statics of Rigid Bodies	3
	CE.212	Fundamentals of Surveying	6
	ENG.211	Differential Equations	3
	ARTAPP	Art Appreciation	3
	SCIETECs	Science, Technology & Society	3
	ACAD WRI	Academic Writing	3
	RIZAL	Life and Works of Rizal	3
	PATHFIT3	Dance/Sports/Rec & Games I	2
		Total	26

Second Semester

FG	Course No.	Course Title	Units
	CE.221	Dynamics of Rigid Bodies	2
	CE.222	Geology for Civil Engineers	2
	CE.223	Mechanics of Deformable Bodies	4
	CE.224	Construction Materials and Testing	5
	GE-Elect DA	Data Analytics	3
	PHIHUM	Philosophy of the Human Person Social & Political Dimensions	3
	VOCMIS	Vocation & Mission in the Christian, Ignatian & Islamic Trad	3
	PHIHIS	Readings in Philippine History	3
	PATHFIT4	Dance/Sports/Rec & Games II	2
		Total	27

SUMMER

FG	Course No.	Course Title	Units
	CE.231	Engineering Economics	2
	CE.232	Numerical Solutions to CE Problems	5
	CE.233	Engineering Utilities 1	3
		Total	10

THIRD YEAR First Semester

FG	Course No.	Course Title	Units
	CE.311	Structural Theory	6
	CE.312	Highway and Railroad Engineering	3
	CE.313	Hydrology	2
	CE.314	Engineering Utilities 2	3
	CE.315	Principles of Transportation Engineering	3
	CE.316	CE Law, Contracts and Ethics	2
	ENG.311	Technopreneurship	3
	ETHICS	Ethics	3
		Total	25

Second Semester

FG	Course No.	Course Title	Units
	CE.321	Building System Design	5
	CE.322	Principles of Steel Design	5
	CE.323	Principles of Reinforced/Pre-Stressed Concrete	6
	CE.324	Hydraulics	7
	GE ELECT-LM	Literatures of Mindanao	3
	CONWOR	Contemporary World	3
		Total	29

SUMMER

FG	Course No.	Course Title	Units
	CE.331C	Construction Cost Engineering	3
	CE.332C	Project Construction and Management	3
	CE.333	Construction Methods and Project Management	3
		Total	9

FOURTH YEAR First Semester

FG	Course No.	Course Title	Units
	CE.411	CE Project 1	4
	CE.412	Geotechnical Engineering (Soil Mechanics)	6
	CE.413C	Advanced Construction Methods and Equipment	3
	CE.414	Quantity Surveying	4
	CE.415C	Construction Occupational Safety and Health	3
	CE.416C	Database Management in Construction	3
	CE.417	CE Integration Course 1	3
		Total	26

Second Semester

FG	Course No.	Course Title	Units
	CE.421	CE Project 2	4
	CE.422	CE on the Job Training (240 hrs. Minimum)	5
	CE.427	CE Integration Course 2	3
		Total	12



**Ateneo de Zamboanga University**  
COLLEGE OF SCIENCE, INFORMATION TECHNOLOGY, AND ENGINEERING  
**BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE) STRUCTURAL**

FIRST YEAR				Second Semester			
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.111	Civil Engineering Orientation	2		CE.121	Engineering Drawing and Plans	3
	CE.112	Computer Fundamentals and Programming	6		ENG.121	Calculus 2: Integral Calculus	3
	ENG.111	Pre-Calculus Mathematics	4		ENG.101	Physics 1: Physics for Engineers	6
	ENG.112	Calculus 1: Differential Calculus	3		UNDSELF	Understanding the Self	3
	ENG.102	Chemistry for Engineers	6		PURCOM	Purposive Communication	3
	MATMOD	Mathematics in the Modern World	3		SPIECO	Spirituality & Ecology in the Christian, Ignatian & Islamic Trad	3
	FFP1	Freshman Formation Program 1	3		FFP2	Freshman Formation Program 2	3
	NSTP1	National Service Training Program 1	3		NSTP2	National Service Training Program 2	3
	PATHFIT 1	Movement Enhancement	2		PATHFIT2	Fitness Exercise	2
		<b>Total</b>	<b>32</b>			<b>Total</b>	<b>29</b>
SUMMER							
	CE.131	Computer-Aided Design for CE	3				
	ENG.132	Engineering Management for CE	2				
	ENG.032	Engineering Data Analysis	3				
		<b>Total</b>	<b>8</b>				
SECOND YEAR				Second Semester			
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.211	Statics of Rigid Bodies	3		CE.221	Dynamics of Rigid Bodies	2
	CE.212	Fundamentals of Surveying	6		CE.222	Geology for Civil Engineers	2
	ENG.211	Differential Equations	3		CE.223	Mechanics of Deformable Bodies	4
	ARTAPP	Art Appreciation	3		CE.224	Construction Materials and Testing	5
	SCIETECs	Science, Technology & Society	3		GE-ELECT DA	Data Analytics	3
	ACAD WRI	Academic Writing	3		PHIHUM	Philosophy of the Human Person: Social & Political Dimensions	3
	RIZAL	Life and Works of Rizal	3		VOCMIS	Vocation & Mission in the Christian, Ignatian & Islamic Trad	3
	PATHFIT3	Dance/Sports/Rec & Games I	2		PHIHIS	Readings in Philippine History	3
					PATHFIT4	Dance/Sports/Rec & Games II	2
		<b>Total</b>	<b>26</b>			<b>Total</b>	<b>27</b>
SUMMER							
	CE.231	Engineering Economics	2				
	CE.232	Numerical Solutions to CE Problems	5				
	CE.233	Engineering Utilities 1	3				
		<b>Total</b>	<b>10</b>				
THIRD YEAR				Second Semester			
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.311	Structural Theory	6		CE.321	Building System Design	5
	CE.312	Highway and Railroad Engineering	3		CE.322	Principles of Steel Design	5
	CE.313	Hydrology	2		CE.323	Principles of Reinforced/Pre-Stressed Concrete	6
	CE.314	Engineering Utilities 2	3		CE.324	Hydraulics	7
	CE.315	Principles of Transportation Engineering	3		GE ELECT-LM	Literatures of Mindanao	3
	CE.316	CE Law, Contracts and Ethics	2		CONWOR	Contemporary World	3
	ENG.311	Technopreneurship	3				
	ETHICS	Ethics	3				
		<b>Total</b>	<b>25</b>			<b>Total</b>	<b>29</b>
SUMMER							
	CE.331S	Design of Steel Structures	3				
	CE.332S	Bridge Engineering	3				
	CE.333	Construction Methods and Project Management	3				
		<b>Total</b>	<b>9</b>				
FOURTH YEAR				Second Semester			
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.411	CE Project 1	4		CE.421	CE Project 2	4
	CE.412	Geotechnical Engineering (Soil Mechanics)	6		CE.422	CE on the Job Training (240 hrs. Minimum)	5
	CE.413S	Pre-stressed Concrete Design	3		CE.423	CE Integration Course 2	3
	CE.414	Quantity Surveying	4				
	CE.415S	Reinforced Concrete Design	3				
	CE.416S	Foundation and Retaining Wall Design	3				
	CE.417	CE Integration Course 1	3				
		<b>Total</b>	<b>26</b>			<b>Total</b>	<b>12</b>



**Ateneo de Zamboanga University**  
COLLEGE OF SCIENCE, INFORMATION TECHNOLOGY, AND ENGINEERING  
**BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE) GEO-TECHNICAL**

FIRST YEAR				Second Semester			
First Semester							
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.111	Civil Engineering Orientation	2		CE.121	Engineering Drawing and Plans	3
	CE.112	Computer Fundamentals and Programming	6		ENG.121	Calculus 2: Integral Calculus	3
	ENG.111	Pre-Calculus Mathematics	4		ENG.101	Physics 1: Physics for Engineers	6
	ENG.112	Calculus 1: Differential Calculus	3		UNDESELF	Understanding the Self	3
	ENG.102	Chemistry for Engineers	6		PURCOM	Purposive Communication	3
	MATMOD	Mathematics in the Modern World	3		SPIECO	Spirituality & Ecology in the Christian, Ignatian & Islamic Trad	3
	FFP1	Freshman Formation Program	3		FFP2	Freshman Formation Program	3
	NSTP1	NSTP	3		NSTP2	NSTP	3
	PATHFIT 1	Movement Enhancement	2		PATHFIT2	Fitness Exercise	2
		<b>Total</b>	<b>32</b>			<b>Total</b>	<b>29</b>

SUMMER			
FG	Course No.	Course Title	Units
	CE.131	Computer-Aided Design for CE	3
	ENG.132	Engineering Management for CE	2
	ENG.032	Engineering Data Analysis	3
		<b>Total</b>	<b>9</b>

SECOND YEAR				Second Semester			
First Semester							
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.211	Statics of Rigid Bodies	3		CE.221	Dynamics of Rigid Bodies	2
	CE.212	Fundamentals of Surveying	6		CE.222	Geology for Civil Engineers	2
	ENG.211	Differential Equations	3		CE.223	Mechanics of Deformable Bodies	4
	ARTAPP	Art Appreciation	3		CE.224	Construction Materials and Testing	5
	SCIETECs	Science, Technology & Society	3		GE-Elect DA	Data Analytics	3
	ACAD WRI	Academic Writing	3		PHIHUM	Philosophy of the Human Person Social & Political Dimensions	3
	RIZAL	Life and Works of Rizal	3		VOCMIS	Vocation & Mission in the Christian, Ignatian & Islamic Trad	3
	PATHFIT3	Dance/Sports/Rec & Games I	2		PHIHIS	Readings in Philippine History	3
		<b>Total</b>	<b>26</b>		PATHFIT4	Dance/Sports/Rec & Games II	2
						<b>Total</b>	<b>27</b>

SUMMER			
FG	Course No.	Course Title	Units
	CE.231	Engineering Economics	2
	CE.232	Numerical Solutions to CE Problems	5
	CE.233	Engineering Utilities 1	3
		<b>Total</b>	<b>10</b>

THIRD YEAR				Second Semester			
First Semester							
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.311	Structural Theory	6		CE.321	Building System Design	5
	CE.312	Highway and Railroad Engineering	3		CE.322	Principles of Steel Design	5
	CE.313	Hydrology	2		CE.323	Principles of Reinforced/Pre-Stressed Concrete	6
	CE.314	Engineering Utilities 2	3		CE.324	Hydraulics	7
	CE.315	Principles of Transportation Engineering	3		GE ELECT-LM	Literatures of Mindanao	3
	CE.316	CE Law, Contracts and Ethics	2		CONWOR	Contemporary World	3
	ENG.311	Technopreneurship	3				
	ETHICS	Ethics	3				
		<b>Total</b>	<b>25</b>			<b>Total</b>	<b>29</b>

SUMMER			
FG	Course No.	Course Title	Units
	CE.331G	Foundation Engineering	3
	CE.332G	Geotechnical Earthquake Engineering	3
	CE.333	Construction Methods and Project Management	3
		<b>Total</b>	<b>9</b>

FOURTH YEAR				Second Semester			
First Semester							
FG	Course No.	Course Title	Units	FG	Course No.	Course Title	Units
	CE.411	CE Project 1	4		CE.421	CE Project 2	4
	CE.412	Geotechnical Engineering (Soil Mechanics)	6		CE.422	CE on the Job Training (240 hrs. Minimum)	5
	CE.413G	Geotechnical Engineering (Rock Mechanics)	3		CE.423	CE Integration Course 2	3
	CE.414	Quantity Surveying	4				
	CE.415G	Deep Foundation Engineering	3				
	CE.416G	Ground Improvement	3				
	CE.417	CE Integration Course 1	3				
		<b>Total</b>	<b>26</b>			<b>Total</b>	<b>12</b>