

## Bachelor of Science in Civil Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	1	CWTS011	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	-	3.0	(2.0)		
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0		
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0		
1	1	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0		
1	1	MATH011	ALGEBRA	4.5	-	3.0		
1	1	PE021	PHYSICAL EDUCATION 1: PHYSICAL FITNESS AND GYMNASTICS	-	2.5	(1.5)		
1	1	SS016	PHILIPPINE HISTORY	4.5	-	3.0		
1	1	VE011	VALUES EDUCATION 1	1.5	-	(1.0)		
<b>Total</b>				<b>19.5</b>	<b>8.5</b>	<b>13.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	2	CWTS012	CIVIC WELFARE TRAINING COURSE - 1	-	3.0	(2.0)	CWTS011	
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W	
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021	
1	2	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0		
1	2	MATH011-2	ADVANCED ALGEBRA	3.0	-	2.0	MATH011	
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3.0	MATH011	
1	2	PE022	PHYSICAL EDUCATION 2: DANCE AND MARTIAL ARTS	-	2.5	(1.5)		
1	2	SS015	POLITICS, GOVERNANCE AND THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0		
1	2	VE012	VALUES EDUCATION 2	1.5	-	(1.0)	VE011	
<b>Total</b>				<b>22.5</b>	<b>8.5</b>	<b>15.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	3	CWTS013	CIVIC WELFARE TRAINING COURSE - 2	-	3.0	(2.0)	CWTS012	
1	3	DRAW023L	COMPUTER-AIDED DRAFTING & DESIGN (LAB)	-	3.0	1.0	DRAW022W	
1	3	ENG023	ENGLISH FOR ACADEMIC STUDIES 3	4.5	-	3.0	ENG022	
1	3	HUM016	ADVANCED LOGIC AND REASONING	4.5	-	3.0	HUM011	
1	3	MATH013	ANALYTIC GEOMETRY	4.5	-	3.0	MATH012	
1	3	MATH014	SOLID MENSURATION	3.0	-	2.0	MATH012	
1	3	MATH021	CALCULUS 1	4.5	-	3.0	MATH012	MATH013
1	3	PE023	PHYSICAL EDUCATION 3: INDIVIDUAL/DUAL SPORTS	-	2.5	(1.5)		
<b>Total</b>				<b>21.0</b>	<b>8.5</b>	<b>15.0</b>		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	1	CHM021	GENERAL CHEMISTRY 1	3.0	-	2.0		
2	1	CHM021L	GENERAL CHEMISTRY 1 (LAB)	-	3.0	1.0		CHM021
2	1	CS001P	COMPUTER FUNDAMENTALS & PROGRAMMING 1 (PAIRED)	1.5	3.0	2.0		
2	1	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	-	3.0		
2	1	MATH022	CALCULUS 2	4.5	-	3.0	MATH013, , MATH021	
2	1	PE024	PHYSICAL EDUCATION 4: ADVANCED INDIVIDUAL/DUAL SPORTS	-	2.5	(1.5)	PE023	
2	1	PHY021	PHYSICS 1	4.5	-	3.0	MATH021	
2	1	PHY021L	PHYSICS 1 (LAB)	-	3.0	1.0	MATH021	PHY021
<b>Total</b>				<b>18.0</b>	<b>11.5</b>	<b>15.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	2	CHM022	GENERAL CHEMISTRY 2	3.0	-	2.0	CHM021	
2	2	CHM022L	GENERAL CHEMISTRY 2 (LAB)	-	3.0	1.0	CHM021, , CHM021L	CHM022
2	2	CS002P	COMPUTER FUNDAMENTALS & PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P	
2	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001	
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022	
2	2	PE025	PHYSICAL EDUCATION 5: TEAM SPORTS	-	2.5	(1.5)		
2	2	PHY022	PHYSICS 2	4.5	-	3.0	MATH022, , PHY021	
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	MATH022, , PHY021, , PHY021L	PHY022
<b>Total</b>				<b>18.0</b>	<b>11.5</b>	<b>15.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	3	CHM023	GENERAL CHEMISTRY 3	3.0	-	2.0	CHM022	
2	3	CHM023L	GENERAL CHEMISTRY 3 (LAB)	-	3.0	1.0	CHM022, , CHM022L	CHM023
2	3	ECE120L	INTRODUCTION TO MATLAB (LAB)	-	3.0	1.0	2nd Year Standing	
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	MATH023	
2	3	PE026	PHYSICAL EDUCATION 6: ADVANCED TEAM SPORTS	-	2.5	(1.5)	PE025	
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022	
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022, , PHY022L	PHY023
2	3	SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	4.5	-	3.0		
<b>Total</b>				<b>16.5</b>	<b>11.5</b>	<b>14.0</b>		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	1	EE104	BASIC ELECTRICAL ENGINEERING	4.5	-	3.0	PHY023,, PHY023L	
3	1	MATH110	PROBABILITY AND STATISTICS	4.5	-	3.0	MATH011	
3	1	MATH115	ADVANCED ENGINEERING MATHEMATICS	4.5	-	3.0	MATH025	
3	1	ME123	BASIC MECHANICAL ENGINEERING	4.5	-	3.0	PHY023,, PHY023L	
3	1	MEC101	STATICS OF RIGID BODIES	4.5	-	3.0	MATH022,, PHY022	
<b>Total</b>				<b>22.5</b>	<b>0.0</b>	<b>15.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	2	CE101	SURVEYING 1	4.5	-	3.0	MATH011-2,, MATH012	
3	2	CE101F	SURVEYING 1 (FIELD)	-	4.5	1.0	MATH011-2,, MATH012	CE101
3	2	MATH140	DISCRETE MATHEMATICS	4.5	-	3.0	MATH011	
3	2	MEC102	DYNAMICS OF RIGID BODIES	3.0	-	2.0	MEC101	
3	2	RES101P	METHODS OF RESEARCH (PAIRED)	1.5	3.0	2.0	MATH110	
3	2	SS014	JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM	4.5	-	3.0		
<b>Total</b>				<b>18.0</b>	<b>7.5</b>	<b>14.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	3	BEC198	BASIC ENGINEERING CORRELATION	-	3.0	(1.0)	CHM023,, MATH115,, PHY023	
3	3	CE102	SURVEYING 2	4.5	-	3.0	CE101	
3	3	CE102F	SURVEYING 2 (FIELD)	-	4.5	1.0	CE101,, CE101F	CE102
3	3	CE121	MECHANICS OF FLUIDS	3.0	-	2.0	MEC102	
3	3	CE121L	MECHANICS OF FLUIDS (LAB)	-	4.5	1.0	MEC102	CE121
3	3	CE131P	STRUCTURAL THEORY 1 (PAIRED)	4.5	3.0	4.0	MEC101	MEC103
3	3	MEC103	MECHANICS OF DEFORMABLE BODIES	4.5	-	3.0	MEC101	
3	3	VE013	VALUES EDUCATION 3	1.5	-	(1.0)	VE011	
<b>Total</b>				<b>18.0</b>	<b>15.0</b>	<b>14.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	4	SS017	SOCIETY,CULTURE AND FAMILY LIFE	4.5	-	3.0		
<b>Total</b>				<b>4.5</b>	<b>0.0</b>	<b>3.0</b>		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	1	CE101P	BUILDING DESIGN 1 (PAIRED)	1.5	4.5	2.0	DRAW022W	
4	1	CE122	HYDROLOGY	4.5	-	3.0	CE121,, CE121L	
4	1	CE123	HYDRAULICS	3.0	-	2.0	CE121	
4	1	CE123L	HYDRAULICS (LAB)	-	4.5	1.0	CE121,, CE121L	CE123
4	1	CE132P	STRUCTURAL THEORY 2 (PAIRED)	4.5	3.0	4.0	CE131P,, MATH115	
4	1	ENG041L	ENGLISH FOR THE WORKPLACE 1	-	3.0	1.0	ENG023	
4	1	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	4th Year Standing	
<b>Total</b>				<b>15.0</b>	<b>15.0</b>	<b>14.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	2	CE101P-1	BUILDING DESIGN 2 (PAIRED)	1.5	4.5	2.0	CE101P	
4	2	CE103	HIGHWAY ENGINEERING	4.5	-	3.0	CE102,, CE102F	
4	2	CE133	STRUCTURAL DESIGN 1: RCD	4.5	-	3.0	CE132P	
4	2	CE133L	STRUCTURAL DESIGN 1: RCD (LAB)	-	4.5	1.0	CE132P	CE133
4	2	CE151	GEOTECHNICAL ENGINEERING 1	4.5	-	3.0	MEC103	
4	2	CE151L	GEOTECHNICAL ENGINEERING 1 (LAB)	-	4.5	1.0	MEC103	CE151
4	2	ENG042L	ENGLISH FOR THE WORKPLACE 2	-	3.0	1.0	ENG041L	
<b>Total</b>				<b>15.0</b>	<b>16.5</b>	<b>14.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE134	STRUCTURAL DESIGN 2: STEEL & TIMBER	4.5	-	3.0	CE133	
4	3	CE134L	STRUCTURAL DESIGN 2: STEEL & TIMBER (LAB)	-	4.5	1.0	CE133,, CE133L	CE134
4	3	CE152	GEOTECHNICAL ENGINEERING 2 (FOUNDATION)	4.5	-	3.0	CE151	
4	3	CE152L	GEOTECHNICAL ENGINEERING 2 (LAB)	-	4.5	1.0	CE151	CE152
4	3	CE198	CE CORRELATION 1	-	3.0	(1.0)	CE101,, CE101P,, CE102,, CE103,, CE133,, CE151	EECO101
4	3		CE ELECTIVE 1	*	-	3.0		
4	3	EECO101	ENGINEERING ECONOMY	4.5	-	3.0		
4	3	ENG043L	ENGLISH FOR THE WORKPLACE 3	-	3.0	1.0	ENG042L	
4	3	VE014	VALUES EDUCATION 4	1.5	-	(1.0)	VE013	
<b>Total</b>				<b>15.0+</b>	<b>15.0</b>	<b>15.0</b>		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	1	CE105	TRANSPORTATION ENGINEERING	4.5	-	3.0	CE103	
5	1	CE141	CONSTRUCTION MATERIALS & TESTING	3.0	-	2.0	MEC103	
5	1	CE141L	CONSTRUCTION MATERIALS & TESTING (LAB)	-	4.5	1.0	MEC103	CE141
5	1	CE200D-3	CE CAPSTONE PROJECT 1	-	3.0	1.0	RES101P	
5	1		CE ELECTIVE 2	*	-	3.0		
5	1	MATH160	NUMERICAL METHODS	4.5	-	3.0	MATH025	
<b>Total</b>				<b>12.0+</b>	<b>7.5</b>	<b>13.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	2	CE124	WATER RESOURCES ENGINEERING	4.5	-	3.0	CE123	
5	2	CE142	CONSTRUCTION METHODS AND PROJECT MANAGEMENT	4.5	-	3.0	5th Year Standing	
5	2	CE142L	CONSTRUCTION METHODS AND PROJECT MANAGEMENT (LAB)	-	4.5	1.0	5th Year Standing	CE142
5	2	CE200D-4	CE CAPSTONE PROJECT 2	-	3.0	1.0	CE200D-3	
5	2		CE ELECTIVE 3	*	-	3.0		
5	2	EENV101	ENVIRONMENTAL ENGINEERING	3.0	-	2.0	CHM023, , CHM023L	
<b>Total</b>				<b>12.0+</b>	<b>7.5</b>	<b>13.0</b>		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	3	CE181	CE LAWS, CONTRACTS AND ETHICS	4.5	-	3.0	5th Year Standing	
							CE101P-1, , CE105, , CE124, , CE134, , CE141, , CE142, , CE151, , CE152, , CE198	
5	3	CE198-1	CE CORRELATION 2	-	3.0	(1.0)		
5	3	CE200D-5	CE CAPSTONE PROJECT 3	-	3.0	1.0	CE200D-4	
5	3		CE ELECTIVE 4	*	-	3.0		
5	3	EMGT101	ENGINEERING MANAGEMENT	4.5	-	3.0		
5	3	MSE101	FUNDAMENTALS OF MATERIAL SCIENCE AND ENGINEERING	4.5	-	3.0		
<b>Total</b>				<b>13.5+</b>	<b>6.0</b>	<b>13.0</b>		

Total Academic Units : 215.00

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## ELECTIVES FOR BATCH 2012

\* SEE TABLE OF SPECS FOR ELECTIVES

+ ADD LECTURE AND LABORATORY HOURS OF CHOSEN ELECTIVE COURSES AS REFLECTED IN THE TABLE OF SPECS

Elective Type: CE FREE ELECTIVES 2012 (12)

Required Units: 12.00

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-1	EARTHQUAKE ENGINEERING	4.5 -		4.5	CE133	
5	1	CE133-2	PRESTRESSED CONCRETE DESIGN	4.5 -		4.5	CE133-1	
5	2	CE133-3	BRIDGE ENGINEERING	4.5 -		4.5	CE134	
5	3	CE133-4	SPECIAL TOPICS IN STRUCTURAL ENGINEERING	4.5 -		4.5	CE133-3	