

BACHELOR OF SCIENCE IN CIVIL ENGINEERING (B.S. CE)

(Curriculum applicable to students who entered as freshmen beginning school year 2014-2015)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	1	CHM021	GENERAL CHEMISTRY 1	3.0	-	2.0	NONE	NONE
1	1	CHM021L	GENERAL CHEMISTRY 1 (LAB)	-	3.0	1.0	NONE	CHM021
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0	NONE	NONE
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0	NONE	NONE
1	1	MATH011	ALGEBRA	4.5	-	3.0	NONE	NONE
1	1	PE011	PHYSICAL EDUCATION 1: PHYSICAL FITNESS AND GYMNASTICS	-	3.0	(2.0)	NONE	NONE
1	1	NSTP010	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	3.0	-	(3.0)	NONE	NONE
1	1	SS016	PHILIPPINE HISTORY	4.5	-	3.0	NONE	NONE
1	1	VE011	VALUES EDUCATION 1	1.5	-	(1.0)	NONE	NONE
Total				18	9	13.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	2	CHM022	GENERAL CHEMISTRY 2	3.0	-	2.0	CHM021	NONE
1	2	CHM022L	GENERAL CHEMISTRY 2 (LAB)	-	3.0	1.0	CHM021, CHM021L	CHM022
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W	NONE
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021	NONE
1	2	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0	NONE	NONE
1	2	MATH011-2	ADVANCED ALGEBRA	3.0	-	2.0	MATH011	NONE
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3.0	MATH011	NONE
1	2	PE012	PHYSICAL EDUCATION 2: DANCE & MARTIAL ARTS	-	3.0	(2.0)	PE011	NONE
1	2	NSTP011-1P	CIVIC WELFARE TRAINING SERVICE	4.0	3.0	(3.0)	NSTP010	NONE
1	2	VE012	VALUES EDUCATION 2	1.5	-	(1.0)	VE011	NONE
Total				21	12	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	3	CHM023	GENERAL CHEMISTRY 3	3.0	-	2.0	CHM022	NONE
1	3	CHM023L	GENERAL CHEMISTRY 3 (LAB)	-	3.0	1.0	CHM022, CHM022L	CHM023
1	3	DRAW023L	COMPUTER AIDED DRAFTING & DESIGN (LAB)	-	3.0	1.0	DRAW022W	NONE
1	3	ENG023	ENGLISH FOR ACADEMIC STUDIES 3	4.5	-	3.0	ENG022	NONE
1	3	MATH013	ANALYTIC GEOMETRY	4.5	-	3.0	MATH012	NONE
1	3	MATH014	SOLID MENSURATION	3.0	-	2.0	MATH012	NONE
1	3	MATH021	CALCULUS 1	4.5	-	3.0	MATH012	MATH013
1	3	PE013	PHYSICAL EDUCATION 3: INDIVIDUAL/DUAL SPORTS	-	3.0	(3.0)	NONE	NONE
Total				19.5	9	15.0*		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	1	CS001P	COMPUTER FUNDAMENTALS & PROGRAMMING 1 (PAIRED)	1.5	3.0	2.0	NONE	NONE
2	1	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	-	3.0	NONE	NONE
2	1	HUM016	ADVANCED LOGIC AND REASONING	4.5	-	3.0	HUM011	HUM011
2	1	MATH022	CALCULUS 2	4.5	-	3.0	MATH013, MATH021	MATH013, MATH021
2	1	PE014	PHYSICAL EDUCATION 4 : TEAM SPORTS	-	3.0	(2.0)	PE013	NONE
2	1	PHY021	PHYSICS 1	4.5	-	3.0	MATH021	MATH021
2	1	PHY021L	PHYSICS 1 (LAB)	-	3.0	1.0	MATH021	MATH021
Total				19.5	6	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	2	CS002P	COMPUTER FUNDAMENTALS & PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P	NONE
2	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001	NONE
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022	NONE
2	2	PHY022	PHYSICS 2	4.5	-	3.0	MATH022, PHY021	NONE
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	MATH022, PHY021, PHY021L	PHY022
2	2	SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	4.5	-	3.0	NONE	NONE
Total				19.5	6	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	3	ECE120L	INTRODUCTION TO MATLAB (LAB)	-	3.0	1.0	NONE	NONE
2	3	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0	NONE	NONE
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	PHY022	None
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022	None
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022, PHY022L	PHY023
2	3	SS017	SOCIETY CULTURE AND FAMILY LIFE	4.5	-	3.0	NONE	NONE
Total				18	6	14.0*		

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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	NONE
3	1	MATH110	PROBABILITY AND STATISTICS	4.5	-	3.0	MATH011	NONE
3	1	MATH115	ADVANCED ENGINEERING MATHEMATICS	4.5	-	3.0	MATH025	NONE
3	1	ME123	BASIC MECHANICAL ENGINEERING	4.5	-	3.0	PHY023, PHY023L	NONE
3	1	MEC101	STATICS OF RIGID BODIES	4.5	-	3.0	MATH022, PHY022	NONE
3	1	BEC198-1	BASIC ENGINEERING CORRELATION 1		3.0	(1.0)	CHM023, PHY023	NONE
Total				22.5	3	15		

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	NONE
3	2	CE101F	SURVEYING 1 (FIELD)	-	4.5	1.0	MATH011-2, MATH012	CE101
3	2	MATH140	DISCRETE MATHEMATICS	4.5	-	3.0	MATH011	NONE
3	2	MEC102	DYNAMICS OF RIGID BODIES	3.0	-	2.0	MEC101	NONE
3	2	RES101P	METHODS OF RESEARCH (PAIRED)	1.5	3.0	2.0	MATH110	NONE
3	2	SS014	JOSE RIZAL & DEVELOPMENT OF FILIPINO NATIONALISM	4.5	-	3.0	NONE	NONE
Total				18	7.5	14		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	3	BEC198-2	BASIC ENGINEERING CORRELATION 2	-	3.0	(1.0)	MATH115,	None
3	3	CE102	SURVEYING 2	4.5	-	3.0	CE101	None
3	3	CE102F	SURVEYING 2 (FIELD)	-	4.5	1.0	CE101, CE101F	None
3	3	CE121	MECHANICS OF FLUID	3.0	-	2.0	MEC102	None
3	3	CE121L	MECHANICS OF FLUID (LAB)	-	4.5	1.0	MEC102	None
3	3	CE131P	STRUCTURAL THEORY 1 (PAIRED)	4.5	4.5	4.0	MEC101	IE111
3	3	MEC103	MECHANICS OF DEFORMABLE BODIES	4.5	-	3.0	MEC101	None
3	3	VE013	VALUES EDUCATION 3	1.5	-	(1.0)	VE011	None
Total				18	16.5	14.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	4	SS015	POLITICS GOVERNANCE & THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0	NONE	NONE
Total				4.5		3.0		

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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	NONE
4	1	CE122	HYDROLOGY	4.5	-	3.0	CE121, CE121L	NONE
4	1	CE123	HYDRAULICS	3.0	-	2.0	CE121	NONE
4	1	CE123L	HYDRAULICS (LAB)	-	4.5	1.0	CE121, CE121L	CE123
4	1	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	4 TH YR STANDING	NONE
4	1	CE132P	STRUCTURAL THEORY 2 (PAIRED)	4.5	3.0	4	IE111, IE111L	IE112
4	1	ENG041L	ENGLISH FOR THE WORKPLACE 1	-	3.0	1.0	MATH115	None
Total				15	15	14		

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	NONE
4	2	CE133	STRUCTURAL DESIGN 1 : RCD	4.5	-	3.0	CE132P	NONE
4	2	CE133L	STRUCTURAL DESIGN 1 : RCD (LAB)	-	4.5	1.0	CE132P	CE133
4	2	CE151	GEOTECHNICAL ENGINEERING 1	4.5	-	3.0	CE123	NONE
4	2	CE151L	GEOTECHNICAL ENGINEERING 1 (LAB)	-	4.5	1.0	CE123	CE151
4	2	CE103	HIGHWAY ENGINEERING	4.5	-	3.0	CE102, CE102F	NONE
4	2	ENG042L	ENGLISH FOR THE WORKPLACE 2	-	3.0	1.0	ENG041L	NONE
Total				15	16.5	14		

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	NONE
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	NONE
4	3	CE152L	GEOTECHNICAL ENGINEERING 2 (LAB)	-	4.5	1.0	CE151	CE152
4	3	EECO101	ENGINEERING ECONOMY	4.5	-	3.0	NONE	NONE
4	3	CE198	CE CORRELATION 1	-	3.0	(1.0)	CE101,CE102 ,CE101P, CE151,CE133 , CE103	EECO101
4	3		CE ELECTIVE 1	*	*	3.0	CE133	NONE
4	3	ENG043L	ENGLISH FOR THE WORKPLACE 3	-	3.0	1.0	ENG042L	NONE
4	3	VE014	VALUES EDUCATION 4	1.5	-	(1.0)	VE011	NONE
Total				15.0+	15.0+	15		

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Year	Term	Code	Title	Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	1	CE105	TRANSPORTATION ENGINEERING	4.5	-	3.0	CE103	NONE
5	1	CE200D-3	CE CAPSTONE PROJECT 1	-	3.0	1.0	RES101P	NONE
5	1	CE141	CONSTRUCTION MATERIALS & TESTING	3.0	-	2.0	MEC103	NONE
5	1	CE141L	CONSTRUCTION MATERIALS & TESTING (LAB)	-	4.5	1.0		CE141
5	1		CE ELECTIVE 2	*	*	3.0		NONE
		MATH160	NUMERICAL METHODS	4.5	-	3.0	MATH025	NONE
Total				12.0+	7.5+	13		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	2	CE124	WATER RESOURCES ENGINEERING	4.5	-	3.0	CE123	NONE
5	2	CE142	CONST METHODS & PROJECT MANAGEMENT	4.5	-	3.0	CE101P-1, CE134	None
5	2	CE142L	CONS METHODS & PROJ MANAGEMENT (LAB)	-	4.5	1.0	CE101P-1, CE134	CE142
5	2	EENV101	ENVIRONMENTAL ENGINEERING	3.0	-	2.0	CHM023, CHM023L	None
5	2		CE ELECTIVE 3	-	-	3.0	*	NONE
5	2	CE200D-4	CE CAPSTONE PROJECT 2	-	3.0	1.0	CE200D-3	*
Total				12.0 +	7.5+	13		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	3	CE200D-5	CE CAPSTONE PROJECT 3	-	-	1.0	CE200D-4	NONE
5	3	CE181	CE LAWS, CONTRACTS , SPECS & ETHICS	4.5	-	3.0	CE142	NONE
5	3		CE ELECTIVE 4	*	*	3.0	*	NONE
5	3	CE198-1	CE CORRELATION 2	-	3.0	(1.0)	CE198, CE151, CE152, CE134, CE105, CE101P-1, CE141, CE142, CE124	NONE
5	3	EMGT101	ENGINEERING MANAGEMENT	4.5	-	3.0	5 TH YR STANDING	NONE
		MSE101	FUNDAMENTALS OF MATERIALS SCIENCE & ENGINEERING	4.5	-	3.0	5 TH YR STANDING	NONE
Total				13.5+	3	13.0*		

*PE, NSTP, VE and CORRELATION units are not considered in the computation of TWA and maximum load per term.

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TOTAL NO. OF UNITS: 237.00

LESS NON-ACADEMIC UNITS: 215.00

*See table of Specs for Electives

+ Add lecture and laboratory hours of chosen Elective courses as reflected in the table of Specs

CE ELECTIVE SERIES STRUCTURAL ENGINEERING

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-1	EARTHQUAKE ENGINEERING	*	*	3.0	CE133	NONE
5	1	CE133-2	PRESTRESSED CONCRETE DESIGN	*	*	3.0	CE133-1	NONE
5	2	CE133-3	BRIDGE ENGINEERING	*	*	3.0		NONE
5	3	CE133-4	SPECIAL TOPICS IN STRUCTURAL ENGINEERING	*	*	3.0	CE133-3	NONE

CE ELECTIVE SERIES WATER RESOURCES ENGINEERING

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-5	IRRIGATION, FLOOD CONTROL AND DRAINAGE ENGINEERING	*	*	3.0	CE133	NONE
5	1	CE133-6	SANITARY ENGINEERING	*	*	3.0	CE133-5	NONE
5	2	CE133-7	WATER AND WASTE WATER MANAGEMENT	*	*	3.0		NONE
5	3	CE133-8	SPECIAL TOPICS IN WATER RESOURCES	*	*	3.0	CE133-7	NONE

CE ELECTIVE SERIES CONSTRUCTION ENGINEERING AND MANAGEMENT

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-9	ENTREPRENEURSHIP FOR ENGINEERS	*	*	3.0	CE133	NONE
5	1	CE133-10	CONSTRUCTION COST ENGINEERING	*	*	3.0	CE133-9	NONE
5	2	CE133-11	DATABASE MANAGEMENT IN CONSTRUCTION	*	*	3.0		NONE
5	3	CE133-12	SPECIAL TOPICS IN CONSTRUCTION MANAGEMENT	*	*	3.0	CE133-11	NONE

CE ELECTIVE SERIES TRANSPORTATION ENGINEERING

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-13	TRANSPORTATION PLANNING	*	*	3.0	CE133	NONE
5	1	CE133-14	TRANSPORTATION SYSTEM DESIGN	*	*	3.0	CE133-13	NONE
5	2	CE133-15	HIGHWAY DESIGN AND TRAFFIC SAFETY	*	*	3.0		NONE
5	3	CE133-16	SPECIAL TOPICS IN TRANSPORTATION ENGINEERING	*	*	3.0	CE133-15	NONE

CE ELECTIVE SERIES GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	CE133-17	GEOSYNTHETICS IN GEOTECHNICAL ENGINEERING	*	*	3.0	CE133	NONE
5	1	CE133-18	GEOTECHNICAL EARTHQUAKE ENGINEERING	*	*	3.0	CE133-17	NONE
5	2	CE133-19	GEOTECHNICAL ASPECTS OF LANDFILL DESIGN	*	*	3.0		NONE
5	3	CE133-20	SPECIAL TOPICS IN GEOTECHNICAL ENGINEERING	*	*	3.0	CE133-19	NONE