



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

(Curriculum applicable to students who entered as freshmen beginning school year 2013-2014)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
1	1	CHM021	GENERAL CHEMISTRY 1	3.0	-	2.0			CAS
1	1	CHM021L	GENERAL CHEMISTRY 1 (LAB)	-	3.0	1.0			CAS
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0			CAS
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0			CAS
1	1	MATH011	ALGEBRA	4.5	-	3.0			CAS
1	1	PE021	PHYSICAL EDUCATION 1: PHYSICAL FITNESS AND GYMNASTICS	-	2.5	(1.5)			CAS
1	1	SS016	PHILIPPINE HISTORY	4.5	-	3.0			CAS
1	1	VE011	VALUES EDUCATION 1	1.5	-	(1.0)			CAS
Total				18.0	8.5	13.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
1	2	CHM022	GENERAL CHEMISTRY 2	3.0	-	2.0	CHM021	None	CAS
1	2	CHM022L	GENERAL CHEMISTRY 2 (LAB)	-	3.0	1.0	CHM021, , CHM021L	CHM022	CAS
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W	None	CAS
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021	None	CAS
1	2	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0	None	None	CAS
1	2	MATH011-2	ADVANCED ALGEBRA	3.0	-	2.0	MATH011	None	CAS
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3.0	MATH011	None	CAS
1	2	PE022	PHYSICAL EDUCATION 2: DANCE AND MARTIAL ARTS	4.5	2.5	(1.5)			CAS
1	2	VE012	VALUES EDUCATION 2	1.5	-	(1.0)	VE011	None	CAS
Total				21.0	8.5	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
1	3	CHM023	GENERAL CHEMISTRY 3	3.0	-	2.0	CHM022	None	CAS
1	3	CHM023L	GENERAL CHEMISTRY 3 (LAB)	-	3.0	1.0	CHM022, CHM022L	CHM023	CAS
1	3	DRAW023L	COMPUTER-AIDED DRAFTING & DESIGN (LAB)	-	3.0	1.0	DRAW022W	None	CAS
1	3	ENG023	ENGLISH FOR ACADEMIC STUDIES 3	4.5	-	3.0	ENG022	None	CAS
1	3	MATH013	ANALYTIC GEOMETRY	4.5	-	3.0	MATH012	None	CAS
1	3	MATH014	SOLID MENSURATION	3.0	-	2.0	MATH012	MATH013	CAS
1	3	MATH021	CALCULUS 1	4.5	-	3.0	MATH012	MATH013	CAS
1	3	PE023	PHYSICAL EDUCATION 3: INDIVIDUAL SPORTS	-	2.5	(1.5)	None	None	CAS
Total				19.5	8.5	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
2	1	CWTS011	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	-	3.0	(2.0)	None	None	CAS
2	1	CS001P	COMPUTER FUNDAMENTALS & PROGRAMMING 1 (PAIRED)	-	3.0	2.0	None	None	CIT
2	1	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	-	3.0	None	None	CAS
2	1	HUM016	ADVANCED LOGIC AND REASONING	4.5	-	3.0	HUM011	None	CAS
2	1	MATH022	CALCULUS 2	4.5	-	3.0	MATH013, MATH021	None	CAS
2	1	PE024	PHYSICAL EDUCATION 4: ADVANCED INDIVIDUAL/DUAL SPORTS	-	2.5	(1.5)	PE023	None	CAS
2	1	PHY021	PHYSICS 1	4.5	-	3.0	MATH021	None	CAS
2	1	PHY021L	PHYSICS 1 (LAB)	-	3.0	1.0	MATH021	PHY021	CAS
Total				19.5	11.5	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
2	2	CWTS012	CIVIC WELFARE TRAINING COURSE - 1	-	3.0	(2.0)	CWTS011	None	CSRO

2	2	CS002P	COMPUTER FUNDAMENTALS & PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P	None	CIT
2	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001	None	CAS
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022	None	CAS
2	2	PE025	PHYSICAL EDUCATION 5: TEAM SPORTS	-	2.5	(1.5)	None	None	CAS
2	2	PHY022	PHYSICS 2	4.5	-	3.0	PHY021, MATH022	None	CAS
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	MATH022, , PHY021, , PHY021L	PHY022	CAS
2	2	SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	4.5	-	3.0	None	None	CAS
Total				19.5	11.5	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
2	3	CWTS013	CIVIC WELFARE TRAINING COURSE - 2	-	3.0	(2.0)	CWTS012	None	CSRO
2	3	ECE120L	INTRODUCTION TO MATLAB (LAB)	-	3.0	1.0	None	None	MITL
2	3	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0		None	CAS
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	MATH023	None	CAS
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022	None	CAS
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022,PHY022L	PHY023	CAS
2	3	PE026	PHYSICAL EDUCATION 6: ADVANCED TEAM SPORTS	-	2.5	(1.5)	PE025	None	CAS
2	3	SS017	SOCIETY,CULTURE AND FAMILY LIFE	4.5	-	3.0	None	None	CAS
Total				18.0	11.5	14.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
3	1	EE 104	BASIC ELECTRICAL ENGINEERING	4.5	-	3.0	PHY 023, PHY 023L		MITL
3	1	MATH110	PROBABILITY AND STATISTICS	4.5	-	3.0	MATH011		CAS
3	1	MATH115	ADVANCED ENGINEERING MATHEMATICS	4.5	-	3.0	MATH025		CAS
3	1	ME123	BASIC MECHANICAL ENGINEERING	4.5	-	3.0	PHY023, PHY023L		MITL
3	1	MEC101	STATICS OF RIGID BODIES	4.5	-	3.0	MATH022, PHY022		CAS
Total				22.5	0.0	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
3	2	CE101	SURVEYING 1	4.5	-	3.0	MATH011-2, MATH012		MITL
3	2	CE101F	SURVEYING 1 (FIELD)	-	4.5	1.0	MATH011-2, MATH012	CE101	MITL
3	2	MEC102	DYNAMICS OF RIGID BODIES	4.5	-	3.0	MEC101		CAS
3	2	RES101P	METHODS OF RESEARCH (PAIRED)	1.5	3.0	2.0	MATH 110		CAS
3	2	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	3 rd Year Standing		MITL
3	2	SS014	JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM	4.5	-	3.0			CAS
3	2	MATH140	DISCRETE MATHEMATICS	4.5	-	3.0	MATH 011		CAS
Total				18.0	7.5	14.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
3	3	CE102	SURVEYING 2	4.5	-	3.0	CE 101		MITL
3	3	CE102F	SURVEYING 2 (FIELD)	-	4.5	1.0	CE 101, CE101F	CE 102	MITL
3	3	MEC103	MECHANICS OF DEFORMABLE BODIES	4.5	-	3.0	MEC101		CAS
3	3	CE121	MECHANICS OF FLUIDS	3.0	-	2.0	MEC 102		MITL
3	3	CE121L	MECHANICS OF FLUIDS (LAB)	-	4.5	1.0	MEC 102	CE 121	MITL
3	3	CE131P	STRUCTURAL THEORY 1 (PAIRED)	4.5	4.5	4.0	MEC 101	MEC 103	MITL
3	3	BEC198	BASIC ENGINEERING CORRELATION	-	3.0	(1.0)	MATH115, PHY023, CHM023		MITL
3	3	VE 013	VALUES EDUCATION 3	1.5	-	(1.0)	VE011		CAS
Total				18.0	16.5	14			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
3	4	SS015	POLITICS, GOVERNANCE & THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0			MITL
Total				13.5	0.0	9.0*			

Year	Term	Code	Title	Lec	Lab Hrs	Total	Prerequisites	Co-	Servicing
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				Hrs		Units		requisites	College/Dept.
4	1	CE123	HYDRAULICS	3.0	-	2.0	CE 121		MITL
4	1	CE123L	HYDRAULICS (LAB)	-	4.5	1.0	CE 121, CE 121L	CE123	MITL
4	1	CE101P	BUILDING DESIGN 1 (PAIRED)	1.5	4.5	2.0	DRAW022W		MITL
4	1	CE122	HYDROLOGY	4.5	-	3.0	CE 121, CE 121L		MITL
4	1	ENG041L	ENGLISH FOR THE WORKPLACE 1	-	3.0	1.0	ENG 013		CAS
4	1	CE132P	STRUCTURAL THEORY 2 (PAIRED)	4.5	4.5	4.0	CE131P, MATH 115		MITL
4	1	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	ENG023	CE 132	MITL
Total				15	16.5	14.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
4	2	CE101P-1	BUILDING DESIGN 2 (PAIRED)	1.5	4.5	2.0	CE101P		MITL
4	2	ENG042L	ENGLISH FOR THE WORKPLACE 2	-	3.0	1.0	ENG041L		CAS
4	2	CE151	GEOTECHNICAL ENGINEERING 1 (SOIL MECHANICS)	4.5	-	3.0	MEC 103		MITL
4	2	CE151L	GEOTECHNICAL ENGINEERING 1 (LAB)	-	4.5	1.0	MEC 103	CE 151	MITL
4	2	CE133	STRUCTURAL DESIGN 1: RCD	4.5	-	3.0	CE 132P		MITL
4	2	CE133L	STRUCTURAL DESIGN 1: RCD (LAB)	-	4.5	1.0	CE 132P	CE 133	MITL
4	2	CE103	HIGHWAY ENGINEERING	4.5	-	3.0	CE102, CE102F		MITL
Total				15.0	16.5	14.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
4	3	CE152	GEOTECHNICAL ENGINEERING 2 (FOUNDATION)	4.5	-	3.0	CE151		MITL
4	3	CE152L	GEOTECHNICAL ENGINEERING 2 (LAB)	-	4.5	1.0	CE151	CE 152	MITL
4	3	ENG043L	ENGLISH FOR THE WORKPLACE 3	-	3.0	1.0	ENG042L		CAS
4	3	CE134	STRUCTURAL DESIGN 2: STEEL & TIMBER	4.5	-	3.0	CE 133		MITL
4	3	CE134L	STRUCTURAL DESIGN 2: STEEL & TIMBER (LAB)	-	4.5	1.0	CE 133, CE 133L	CE 134	MITL
4	3	CE198	CE CORRELATION 1	-	3.0	(1.0)	CE101P, CE151, CE133, CE103	EECO101	MITL
4	3	VE014	VALUES EDUCATION 4	1.5	-	(1.0)	VE 013		CAS
4	3	EECO 101	ENGINEERING ECONOMY	4.5	-	3.0			MITL
4	3		CE ELECTIVE 1	*	*	3.0			MITL
Total				15+	15+	15.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
5	1	CE141	CONSTRUCTION MATERIALS & TESTING	3.0	-	2.0	MEC 103		MITL
5	1	CE141L	CONSTRUCTION MATERIALS & TESTING (LAB)	-	4.5	1.0	MEC 103	CE 141	MITL
5	1	MATH 160	NUMERICAL METHODS	4.5	-	3.0	MATH 025		MITL
5	1	CE 200D-3	CE CAPSTONE PROJECT 1	-	1.5	1.0	RES101P		MITL
5	1		CE ELECTIVE 2	*	*	3.0	*		MITL
5	1	CE105	TRANSPORTATION ENGINEERING	4.5	-	3.0	CE103		MITL
Total				12.0+	6.0+	13.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
5	2	CE200D-4	CE CAPSTONE PROJECT 2	-	1.5	1.0	CE200D-3		MITL
5	2	CE124	WATER RESOURCES ENGINEERING	4.5	-	3.0	CE123		MITL
5	2	CE142	CONSTRUCTION METHODS AND PROJECT MANAGEMENT	4.5	-	3.0	5 th Year Standing		MITL
5	2	CE142L	CONSTRUCTION METHODS AND PROJECT MANAGEMENT (FIELD)	-	4.5	1.0	5 th Year Standing	CE 142	MITL
5	2		CE ELECTIVE 3	*	*	3.0	*		MITL
5	2	EENV101	ENVIRONMENTAL ENGINEERING	3.0	-	2.0	CHM 023, CHM023L		MITL
Total				12.0+	6.0+	13.0			

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites	Servicing College/Dept.
5	3	CE181	CE LAWS, CONTRACTS, SPECIFICATIONS AND ETHICS	4.5	-	3.0	5 th Year Standing		MITL
5	3	CE 200D-5	CE CAPSTONE PROJECT 3	-	1.5	1.0	CE 200D-4		MITL

5	3	MSE101	FUNDAMENTALS OF MATERIAL SCIENCE AND ENGINEERING	4.5	-	3.0	PHY023, CHM023		MITL
5	3		CE ELECTIVE 4	*	*	3.0	*		MITL
5	3	CE198-1	CE CORRELATION 2	-	3.0	(1.0)	CE 198, CE124, CE142, CE105, CE142, CE152, CE134		MITL
5	3	EMGT 101	ENGINEERING MANAGEMENT	4.5	-	3.0			MITL
Total				13.5+	4.5+	13.0			

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

TOTAL NO. OF UNITS: 237.0
LESS NON-ACADEMIC UNITS: 215.0

*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	TOTAL UNITS	PRE-REQUISITES	CO-REQUISITES
		CE133-1	EARTHQUAKE ENGINEERING	*	*	3.0		
		CE133-2	PRESTRESSED CONCRETE DESIGN	*	*	3.0		
		CE133-3	BRIDGE ENGINEERING	*	*	3.0		
		CE133-4	SPECIAL TOPICS IN STRUCTURAL ENGINEERING	*	*	3.0		

CE ELECTIVE SERIES WATER RESOURCES ENGINEERING

YEAR	TERM	CODE	TITLE	LEC HRS	LAB HRS	TOTAL UNITS	PRE-REQUISITES	CO-REQUISITES
		CE133-5	Irrigation, Flood Control and Drainage Engineering	*	*	3.0		
		CE133-6	Sanitary Engineering	*	*	3.0		
		CE133-7	Water and Waste Water Engineering	*	*	3.0		
		CE133-8	Special Topics in Water Resources	*	*	3.0		

CE ELECTIVE SERIES CONSTRUCTION ENGINEERING AND MANAGEMENT



YEAR	TERM	CODE	TITLE	LEC HRS	LAB HRS	TOTAL UNITS	PRE-REQUISITES	CO-REQUISITES
		CE133-9	Entrepreneurship for Engineers	*	*	3.0		
		CE133-10	Construction Cost Engineering	*	*	3.0		
		CE133-11	Database Management in Construction	*	*	3.0		
		CE133-12	Special Topics in Construction Management	*	*	3.0		

CE ELECTIVE SERIES TRANSPORTATION ENGINEERING

YEAR	TERM	CODE	TITLE	LEC HRS	LAB HRS	TOTAL UNITS	PRE-REQUISITES	CO-REQUISITES
		CE133-13	Transportation Planning	*	*	3.0		
		CE133-14	Transportation Systems Design	*	*	3.0		
		CE133-15	Highway Design and Traffic Safety	*	*	3.0		
		CE133-16	Special Topics in Transportation Engineering	*	*	3.0		

CE ELECTIVE SERIES GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING

YEAR	TERM	CODE	TITLE	LEC HRS	LAB HRS	TOTAL UNITS	PRE-REQUISITES	CO-REQUISITES
		CE133-17	Geosynthetics in Geotechnical Engineering	*	*	3.0		
		CE133-18	Geotechnical Earthquake Engineering	*	*	3.0		
		CE133-19	Geotechnical Aspects of Landfill Design	*	*	3.0		
		CE133-20	Special Topics in Geotechnical and Geoenvironmental Engineering	*	*	3.0		