



BACHELOR OF SCIENCE IN CIVIL ENGINEERING
(Specialized in Construction Engineering and Management)

CMO NO. 92 S. 2017

CURRICULUM

First Year
First Semester

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
GE 7	Science Technology and Society	3	0	3	None
GE 4	Mathematics in Modern world	3	0	3	None
Emath 0	Mathematics for Engineers	4	0	4	None
Emath 1	Calculus 1	4	0	4	None
Eng'g Sci 1	Chemistry for Engineers	3	3	4	None
CE 110	Civil Engineering Orientation	2	0	2	None
PE 1 (PATHFIT 1)	Physical Activities Toward Health and Fitness 1 (Movement Competency Training)	2	0	2	None
NSTP 1	National Service Training Program 1	3	0	3	None
TOTAL		24	3	25	

First Year
Second Semester

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
GE 1	Understanding the self	3	0	3	None
Emath 2	Calculus 2	4	0	4	Emath 1
Eng'g Sci 2	Physics for Engineers (Calculus Based)	3	3	4	Emath 1, Co-requisite of Emath 2
Draw 1	Engineering Drawing and Plans	0	3	1	None
Comp 1	Computer Fundamentals and Programming	0	6	2	None
Rizal	Life Works, and Writings of Rizal	3	0	3	None
GE 3	The Contemporary World	3	0	3	None
PE 2 (PATHFIT 2)	Physical Activities Toward Health and Fitness 2 (Exercise-based Fitness Activities)	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	None
TOTAL		21	12	25	

VISION

The leading center for academic and technological excellence and prime catalyst for a progressive and sustainable Quirino Province and Southern Cagayan Valley.

MISSION

Develop competent and morally upright professionals and generate appropriate knowledge and technologies to meet the needs of Quirino Province and Southern Cagayan Valley.



**SECOND YEAR
First Semester**

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
Emath 3	Differential Equations	3	0	3	Emath 2
Comp 2	Computer-Aided Drafting	0	3	1	Draw 1
Emech 1	Static of Rigid Bodies	3	0	3	Emath 1, Eng'g Sci 2
CE 211	Fundamentals of Surveying	3	3	4	Draw 1
Eng'g Eco	Engineering Economics	3	0	3	2 nd year standing
Eng'g Mgt	Engineering Management	2	0	2	2 nd year standing
GE 5	Purposive Communication	3	0	3	None
GE Elect 1	Living in the IT Era	3	0	3	None
PE 3 (PATHFIT 3)	Physical Activities Toward Health and Fitness 3 (Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities)	2	0	2	PE 2
TOTAL		22	6	24	

**SECOND YEAR
Second Semester**

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
Emath 4	Engineering Data Analysis	3	0	3	None
Eng'g Sci 3	Geology for Civil Engineers	2	0	2	Eng'g Sci 1
Emech 2	Dynamics of Rigid Bodies	2	0	2	Emech 1
Emech 3	Mechanics of Deformed Bodies	4	0	4	Emech 1
CE 221	Construction Materials & Testing	2	3	3	Co-requisite of Emech 3
GE 6	Arts Appreciation	3	0	3	None
GE 2	Reading in Philippine History	3	0	3	None
GE Elect 2	Gender and Society	3	0	3	None
PE 4 (PATHFIT 4)	Physical Activities Toward Health and Fitness 4 (Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities)	2	0	2	PE 2
TOTAL		24	3	25	

**THIRD YEAR
First semester**

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
CE 311	Structural Theory	3	3	4	Emech 3
CE 312	Highway and Railroad Engineering	3	0	3	CE 211
AC 1	Engineering Utilities 1	3	0	3	Eng'g Sci 2
AC 2	Engineering Utilities 2	3	0	3	Eng'g Sci 2
Emath 5	Numerical Solution to CE Problems	2	3	3	Emath 3
GE 8	Ethics	3	0	3	None
GE Elect 3	Indigenous Creative Crafts	3	0	3	None
Res 1	Methods of Research	3	0	3	3 rd Year standing
TOTAL		23	6	25	

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THIRD YEAR
Second semester

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
Tech 101	Technopreneurship 101	3	0	3	3 rd year standing
CE 321	Building System Design	2	3	3	Draw 1
CE 322	Principles of Steel Design	2	3	3	CE 311
CE 323	Principles of Reinforced/Pre-Stressed Concrete	3	3	4	CE311
CE 324	Hydrology	2	0	2	3 rd year standing
CE 325	Hydraulics	4	3	5	3 rd year standing
CE 326	CE Law, Ethics and Contracts	2	0	2	3 rd year standing
Tech Eng	Technical English	3			
TOTAL		18	12	22	

FOURTH YEAR
First Semester

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
CE 411	Geotechnical Engineering 1 (Soil Mechanics)	3	3	4	Eng'g Sci 3, Emech 3
CE 412	Principles of Transportation Engineering	3	0	3	CE 312
CEP 1	CE Project 1	1	3	2	4 th year Standing
CE S1	Construction Cost Engineering	3	0	3	4 th year Standing
CE S2	Project Construction and Management	3	0	3	4 th year Standing
CE S3	Advanced Construction Methods and Equipment	3	0	3	4 th year Standing
CE 413	Reinforced Concrete Design	3	0	3	4 th year Standing
TOTAL		19	6	21	

FOURTH YEAR
Second Semester

COURSE NO.	Course Description	No. of Hours		Units	Requisite/Co-requisite
		Lec	Lab/ Fldw/ Comp		
CEP 2	CE Project 2	1	3	2	CEP 1
CE 421	Quantity Surveying	1	3	2	CE 321
CE S4	Construction Occupational Safety and Health	3	0	3	4 th year Standing
CE S5	Database Management in Construction	3	0	3	4 th year Standing
CE 422	Construction Methods and Project Management	3	0	3	4 th year Standing
OJT	On the Job Training	2	3	3	4 th Year Standing
TOTAL		13	9	16	

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