



The **College of Engineering and Technology (CET)** is dedicated to producing competent, innovative, and socially responsible engineers equipped to address the challenges of a rapidly evolving world. The department aims to nurture future leaders in engineering by providing students with a strong foundation in science, mathematics, and engineering principles, complemented by hands-on learning and exposure to cutting-edge technologies. The CET fosters a culture of academic excellence, critical thinking, and ethical responsibility, preparing graduates to contribute meaningfully to society and the global engineering profession. The College of Engineering and Technology empowers students to excel in their chosen fields.

B.S. in CIVIL ENGINEERING

PROGRAM CURRICULUM

PROGRAM: *B.S. in CIVIL ENGINEERING*

HEAD/COORDINATOR: ENGR. OSCAR E. DE CASTRO

About:

The Bachelor of Science in Civil Engineering is a professional undergraduate program designed to prepare students for careers in the planning, design, construction, operation, and maintenance of infrastructure projects and systems. These include buildings, roads, bridges, dams, airports, water supply and treatment systems, and other critical facilities that support modern society.

COLLEGE LEVEL: FIRST YEAR

SUBJECTS/COURSES

First Semester

GNED1005 Reading in Philippine History
 GNED1004 Science, Technology & Society
 GNED1001 Mathematics in the Modern World
 RELS1001 Christian Formation
 R-CVE23 113 Calculus 1
 R-CVE23 114 Chemistry for Engineers
 PHED1001 PATHFit 1: Movement Competency Training
 CWTS 1001 Civic and Welfare Training Service 1/NSTP 1
 CVE119 Civil Engineering Orientation

TOTAL UNITS: 26

Second Semester

GNED1003 Contemporary World
 GNED1002 Understanding the Self
 R-CVE23 123 Calculus 2
 CVE124 Physics for Engineers (Calculus Based)
 CVE125 Engineering Drawings and Plans
 CVE126 Computer Fundamentals and Programming
 GNED1009 Life and Works of Rizal
 PHED1002 PATHFit 2: Exercise-based Fitness Activities
 CWTS1002 Civic and Welfare Training Service 2/NSTP 2
 RELS1002 Christian Ethics

TOTAL UNITS: 27



COLLEGE LEVEL: SECOND YEAR	
SUBJECTS/COURSES	
First Semester	Second Semester
CVE211 Differential Equations	CVE221 Engineering Data Analysis
CVE212 Computer-Aided Drafting	CVE222 Geology for Civil Engineers
CVE213 Statics of Rigid Bodies	CVE223 Dynamics of Rigid Bodies
CVE214 Fundamentals of Surveying	CVE224 Mechanics of Deformable Bodies
CVE215 Engineering Economics	CVE225 Construction Materials & Testing
CVE216 Engineering Management	GNED1007 Art Appreciation
GNED1006 Purposive Communication	GNED 1002 Living in the IT Era
GNED1011 Environmental Science	PHED1004 PATHFit4: Physical Activity Towards Health and Fitness 4: Dance and Team Sports
PHED1003 PATHFit 3: Physical Activity Towards Health and Fitness 3: Dual Sports and Group Exercise	
TOTAL UNITS: 24	TOTAL UNITS: 22

COLLEGE LEVEL: THIRD YEAR	
SUBJECTS/COURSES	
First Semester	Second Semester
CVE311 Structural Theory	CVE321 Technopreneurship 101
CVE312 Highway and Railroad Engineering	CVE322 Building Systems Design
CVE313 Engineering Utilities 1	CVE323 Principles of Steel Design
CVE314 Engineering Utilities 2	CVE324 Principles of Reinforce/Prestressed Concrete
CVE315 Numerical Solutions to CE Problems	CVE325 Hydrology
GNED1008 Ethics	CVE326 Hydraulics



<p>GNED 1011 Philippine Pop Culture TOTAL UNITS: 22</p>	<p>CVE327 CE Law, Ethics and Contracts TOTAL UNITS: 22</p>
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COLLEGE LEVEL: SUMMER	
SUBJECTS/COURSES	
<p>R-CVE23 S311 On-the-Job Training TOTAL UNITS: 3</p>	

COLLEGE LEVEL: FOURTH YEAR	
SUBJECTS/COURSES	
First Semester	Second Semester
<p>CVE411 Geotechnical Engineering 1 (Soil Mechanics) CVE412 Principles of Transportation Engineering CVE413 CE Project 1 CVE414 Professional Course - specialized 1 CVE415 Professional Course - specialized 2 TOTAL UNITS: 15</p>	<p>CVE421 CE Project 2 CVE422 Quantity Surveying CVE423 Professional Course - specialized 3 CVE424 Professional Course - specialized 4 CVE425 Professional Course - specialized 5 CVE426 Construction Methods & Project Management TOTAL UNITS: 16</p>



Philippine Christian University - Dasmariñas
COLLEGE OF ENGINEERING TECHNOLOGY

