



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.

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

PROGRAM CURRICULUM	
PROGRAM: <i>B.S. in ELECTRONICS ENGINEERING</i>	
HEAD/COORDINATOR: ENGR. RICARDO TOLEDO	
<p>About: <i>The Bachelor of Science in Electronics Engineering is a professional undergraduate program that focuses on the design, development, and application of electronic systems, devices, and technologies. This program equips students with the knowledge and skills to innovate in industries such as telecommunications, embedded systems, robotics, semiconductor manufacturing, and digital signal processing.</i></p>	
COLLEGE LEVEL: <i>FIRST YEAR</i>	
SUBJECTS/COURSES	
First Semester	Second Semester
GNED 1005 Reading in Philippine History HSC 223 Science, Technology & Society GNED 1001 Mathematics in the Modern World RELS 1001 Christian Formation ENGG1101 Engineering Calculus 1 CHEM 1101 Chemistry for Engineers PHED 1001 PATHFit 1: Movement Competency Training NSTP1 Civic and Welfare Training Service 1/NSTP 1	RELS1002 Christian Ethics IE214 Computer-aided Drafting ENGG1201 Engineering Calculus 2 ENGG 4102 Materials Science and Engineering IE-23-122 Physics for Engineers EE126 Computer Programming ECE126 Physics 2 NSTP2 Civic and Welfare Training Service 2/NSTP 2



GNERD 1002 Understanding the Self TOTAL UNITS: 27	PHED1002 PATHFit 2: Exercise-based Fitness Activities TOTAL UNITS: 25
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COLLEGE LEVEL: SECOND YEAR	
SUBJECTS/COURSES	
First Semester	Second Semester
ENGG 2203 Engineering Data Analysis ENGG 2101 Differential Equations ENGG 2110 Circuits 1 Electronic 1: Electronic Devices & ECE214 Circuits ENGG2112 ECE Laws, Contracts, Ethics, Standards & Safety GNED1006 Purposive Communication ENGG3201 Engineering Economics PHED1003 PATHFit 3: Physical Activity Towards Health and Fitness 3: Dual Sports and Group Exercise TOTAL UNITS: 25	ECE221 Advance Engineering Mathematics for ECE EE223 Circuit 2 ECE223 Electronics 2: Electronic Circuit Analysis and Design ECE225 Communications 1: Principles of Communication Systems ECE224 Electromagnetics ENGG 2107 Engineering Management PHED1004 PATHFit4: Physical Activity Towards Health and Fitness 4: Dance and Team Sports TOTAL UNITS: 20

COLLEGE LEVEL: THIRD YEAR	
SUBJECTS/COURSES	
First Semester	Second Semester
GNED 1008 Ethics ECE312 Digital Electronics 1: Logic Circuits and Switching Theory ECE313 Electronics 3: Electronic Systems and Design ECE314 Signals, Spectra, Signal Processing ECE315 Communications 2: Modulation and Coding Techniques GNED 1006 Environmental Science TOTAL UNITS: 22	ELEC 4108 Technopreneurship 101 GNED 1002 Living in the IT Era ECE325 Communications 4: Transmission Media and Antenna System and Design ECE324 Communications 3: Data Communications ECE326 Digital Electronics 2: Microprocessor, Microcontroller Systems and Design ELEC 3202 Feedback and Control Systems TOTAL UNITS: 22

COLLEGE LEVEL: SUMMER
SUBJECTS/COURSES



ECE-OJT ECE On-the-Job Training

TOTAL UNITS: 2

COLLEGE LEVEL: *FOURTH YEAR*

SUBJECTS/COURSES

First Semester	Second Semester
ECE411 Methods of Research	ECE421 Seminars/Colloquium
ECE412 Design 1/Capstone Project 1	ECE422 Design 2/Capstone Project 2
ECE413 ECE Elective 1	GNED1003 The Contemporary World
ECE414 Environmental Science and Engineering	GNED 1005 Readings in Philippine History
GNED 1007 Art Appreciation	ECE423 Philippine Pop Culture
GNED 1009 Life and Works of Rizal	ECE424 ECE Elective 2
TOTAL UNITS: 17	ECE425 ECE Elective**
	TOTAL UNITS: 15