

FIRST YEAR

First Semester

FG	Course No.	Course Title	Units
	ENM.101	Calculus 1: Differential Calculus	3
	ENS.101	Physics 1: Physics for Engineers	4
	MATMOD	Mathematics in the Modern World	3
	SPIECO	Spirituality & Ecology in the Christian, Ignatian & Islamic Traditions	3
	UNDESELF	Understanding the Self	3
	PATHFIT1	Movement Enhancement	2
	FFP-NSTP1	Freshmen Formation Program/NSTP1	4.5
		Total	22.5

Second Semester

FG	Course No.	Course Title	Units
	ENM.102	Calculus 2: Integral Calculus	3
	ENS.102	Physics 2	4
	ENS.103	Chemistry for Engineers	4
	VOCMIS	Vocation and Mission in the Christian, Ignatian and Islamic Traditions	3
	PHIHUM	Philosophy of the Human Person : Social & Political Dimensions	3
	PATHFIT2	Fitness Exercise	2
	FFP-NSTP2	Freshmen Formation Program/NSTP2	4.5
		Total	23.5

SUMMER

FG	Course No.	Course Title	Units
	ENG.131	Computer-Aided Design	2
	ENM.104	Engineering Data Analysis	3
	ENG.134	Materials Science and Engineering	3

SECOND YEAR

First Semester

FG	Course No.	Course Title	Units
	ECE.102	Fundamentals of Computer Programming	4
	ECE.201	Circuits 1	4
	ENM.103	Differential Equations	3
	CONWOR	Contemporary World	3
	GE ELECT-LM	Literatures of Mindanao	3
	ARTAPP	Art Appreciation	3
	ETHICS	Ethics	3
	PATHFIT3	Dance/Sports/Rec & Games	2
		Total	25

Second Semester

FG	Course No.	Course Title	Units
	ENM.202	Advanced Engineering Math for ECE	4
	ECE.202	Circuits 2	4
	ECE.301	Electronics 1: Electronic Devices and Circuits	4
	GE ELECT-DA	Data Analytics	3
	PURCOM	Purposive Communication	3
	SCITECS	Science, Technology & Society	3
	PATHFIT4	Dance/Sports/Rec & Games	2
		Total	23

SUMMER

FG	Course No.	Course Title	Units
	ENG.205	Engineering Economics	3
	ENG.206	Occupational, Health & Safety Engineering	3
	ENG.132	Engineering Management	3

THIRD YEAR

First Semester

FG	Course No.	Course Title	Units
	ECE.302	Electronic2: Electronics Circuit Analysis & Design	4
	ECE.304	Digital Electronics 1: Logic Circuit and Switching Theory	4
	ECE.401	Electromagnetics 1(Vector Analysis)	3
	ECE.402	Signals, Spectra & Signal Processing	4
	ECE.403	Communications 1: Principles of Communications Systems	4
	ENG.201	Technopreneurship	3
	PHIHIS	Readings in Philippine History	3
		Total	25

Second Semester

FG	Course No.	Course Title	Units
	ECE.303	Electronics 3: Electronic Systems and Design	4
	ECE.305	Digital Electronics 2: Microprocessor & Microcontroller Systems	4
	ECE.404	Communications 2: Modulation and Coding Technique	4
	ENG.301n	Feedback & Control Systems	4
	ENG.202	Methods of Research	3
	RIZAL	Life and Works of Rizal	3
		Total	22

SUMMER

FG	Course No.	Course Title	Units
	ECECog1	Cognate Course 1 - Microprocessors	3
	ENS.104	Environmental Science & Engineering	3

FOURTH YEAR

First Semester

FG	Course No.	Course Title	Units
	ECE.501	ECE, Design & Capstone Project 1	3
	ECE.405	Communications 3:Transmission Media and Antenna Systems	4
	ECE.406	Communications 4: Data Communications	4
	ECE.407	ECE Laws, Contracts, Ethics and Standards	3
	ECECog2	Cognate Course 2 - Analog and Digital Televisions	3
		Total	17

Second Semester

FG	Course No.	Course Title	Units
	ECE.502	ECE,Design & Capstone Project 2	3
	ENG.204	Seminars and Colloquium	3
	OJT	Field Placement and Report (Immersion and OJT 300 Hours)	3
		Total	9

EFFECTIVE SCHOOL YEAR 2024-2025

Revised: June 2023

COGNATE COURSES

Course No.	Course Title	Units
COE.511	Mobile Applications Programming	3
ECE.515	Broadcast Transmission and Distribution	3
ECE.404	Modulation and Coding Technique	3

Course No.	Course Title	Units
COE.512	Database Management Systems	3
ECE.510	Advanced Communication Systems & Design (Wireless)	3
ECE.511	Advanced Power Supply Systems	3

List of Pre-Requisite Courses

Course Offering		Pre-Requisite Courses	
Code	Description	Code	Description
ENM.102	Calculus 2: Integral Calculus	ENM.101	Calculus 1: Differential Calculus
ENS.102	Physics 2:Electromagnetism & Thermodynamics	ENS.101	Physics for Engineers
ENM.104	Engineering Data Analysis	ENM.101	Calculus 1:Differential Calculus
ENM.103	Differential Equations	ENM.102	Calculus 2:Integral Calculus
ECE.201	Circuits 1	ENS.102	Physics 2
ENM.202	Advanced Engineering Math for ECE	ENM.103	Differential Equations
ECE.202	Circuits 2	ECE.201	Circuits 1
ECE.301	Electronics 1	ECE.201	Circuits 1
ECE.302	Electronics 2	ECE.301	Electronics 1
ECE.303	Digital Electronics 1	ECE.301	Electronics 1
ECE.401	Electromagnetics 1	ENM.103	Differential Equations
ECE.402	Signal Spectra and Signal Processing	ENM.202	Advanced Engineering Math for ECE
ECE.303	Electronics 3	ECE.302	Electronics 2
ECE.305	Digital Electronics 2	ECE.304	Digital Electronics 1
ECE.404	Communications 2	ECE 403	Communications 1
ENG.301	Feedback and Control Systems	ENM.202	Advanced Engineering Math for ECE
ECE.405	Communications 3	ECE.404	Communications 2
ECE.406	Communications 4	ECE.404	Communications 2