



RA 9299

Republic of the Philippines

June 25, 2004

Negros Oriental State University

NOPS (1907)

NOTS (1927)

EVSAT (1956)

CVPC (1983)

Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING

Per CMO No. 101, series of 2017

Effective School Year 2018-2019

FIRST YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 131	Engineering Calculus I	3		3	
EPS 131	Chemistry for Engineers	3	3	4	
ENS 131	Engineering Orientation (ECE)	2		2	
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
PE 1	Physical Fitness and Health	2		2	
NSTP 1	National Service Training Program 1	3		3	
TOTAL		22	3	23	
*ENM 011	Algebra 1	2		2	
*ENM 012	Plane & Spherical Trigonometry	2		2	

* Enhancement courses for NON-STEM Senior High Graduates

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 141	Engineering Calculus 2	3		3	ENM 131
EPS 141	Physics for Engineers	3	3	4	ENM 131
ENS 142	Computer Fund. & Programming	2	3	3	
ENS 144	Creativity in Engineering Design	3		3	
GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3	
PE 2	Recreational Games and Sports	2		2	
NSTP 2	National Service Training Program 2	3		3	
TOTAL		22	6	24	
*ENM 021	Algebra 2	2		2	
*ENM 022	Analytic Geometry w/ Solid Mensuration	2		2	

SECOND YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 231	Differential Equations	3		3	ENM141
ENS 231	Statics of Rigid Bodies	3		3	EPS141
ENS 232	Computer-Aided Design	1	3	2	
ENS 233	Environmental Science & Eng'g.	3		3	2nd yr standing
EPS 231	Physics 2	3	3	4	EPS141
EE 231	Electrical Circuits 1	3	3	4	EPS141;ENM141
EE 233	Electromagnetics 1	3		3	w/ ENM 231
FIL 1	Akademiko sa Wikang Filipino	3		3	
PE 3	Rhythmic and Social Recreation	2		2	
TOTAL		24	9	27	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 241	Engineering Data Analysis	3		3	2nd yr standing
ENM 242	Advanced Mathematics	3	3	4	ENS231;ENM141
ENS 240	Fund. of Mechanics of Deformable Bodies	3		3	ENS231
ENS 243	Technopreneurship	3		3	EE231
ECE 241	Electronics 1	3	3	4	ENM231
EE 244	Electromagnetics 2	4		4	EPS141; ENM231
EE 241	Electrical Circuits 2	3	3	4	EE231
FIL 2	Pagbasa at Pagsulat sa Iba't Ibang Disiplina	3		3	
PE 4	Cultural Presentation & Sports Management	2		2	
TOTAL		27	9	30	

THIRD YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 331	Numerical Methods & Analysis	3	3	4	3rd yr standing
ENS 331	Engineering Economics	3		3	EPS141;ENM141
ECE 331	Electronics 2	3	3	4	ENS142
ECE 332	Fundamentals of Electronic Comm.	3		3	EE242
ECE 334	Signal Spectra & Signal Processing	3	3	4	EE241;EE233
ECE 335	Logic Circuits and Switching Theory	3	3	4	ECE242
GE 6	Art Appreciation	3		3	ECE242
GE 7	Science Technology & Society	3		3	ECE242
TOTAL		24	12	28	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 340	Material Science & Engineering	3		3	ENM 241; GE 5
ENS 341	Research Methods for Engineering	3		3	EPS 131, ENS 240
ENS 343	Engineering Management	3		3	3rd yr standing
ECE 341	Microprocessor & Micro-controller Systems	3	3	4	ECE 335
ECE 342	Feedback Control Systems	3	3	4	EE 241
ECE 343	Electronics 3	3	3	4	ECE 332
ECE 344	Communications 1	3	3	4	ECE 332
ECE 345	Advance Comm. System & Design	3		3	3rd yr standing
GE 8	Ethics	3		3	EE 335
TOTAL		27	12	31	

Summer

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ECE 400	On-the-Job Training 300 hours	3	300	5	Completed all 3rd year Major Subjects

FOURTH YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ECE 431	ECE Project Proposal	1	3	2	ECE 400
ECE 432	Communication 2	3	3	4	ECE 344
ECE 433	Communication 3	3	3	4	ECE 344
ECE 434	Instrumentation and Process Control	3	3	4	EE 241
ECE 435	Advanced Networking	3		3	ECE 344
ECE 436	Electronics Ancillary	3	3	4	ECE 343
ECE 437	ICT Infrastructure	3	3	4	ECE 343
GE 9	Life & Works of Rizal	3		3	
TOTAL		22	18	28	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 441	Occupational Safety & Health	3		3	4th yr standing
ECE 441	ECE Project Study		6	2	ECE 431
ECE 442	Communications 4	3	3	4	EE 431
ECE 443	ECE Laws, Contracts, Ethics, Codes & Standard	3		3	EE 432
ECE 444	Seminars & Field Trips		3	1	Co-requisite EE441
ECE 445	Broadcast Production Engineering	4		4	Co-requisite EE441
LIT 2	World Literature	3		3	
ECE 500	NORSU Eng'g Competency Assessment	3		3	4th yr standing
TOTAL		19	12	23	

Summary:

NON TECHNICAL	50
General Education:	24
GE Elective/Mandated:	12
Physical Education:	8
NSTP:	6
TECHNICAL	169
Engineering Mathematics:	20
Engineering Sciences:	48
Allied Courses:	15
Professional Courses:	86
Total	219
With Enhancement	8
Total	227