



RA 9299  
NOPS (1907)

Republic of the Philippines

June 25, 2004

**Negros Oriental State University**

NOTS (1927)

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 1	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	
<b>TOTAL</b>		<b>22</b>	<b>3</b>	<b>23</b>	
*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	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP 1
<b>TOTAL</b>		<b>22</b>	<b>6</b>	<b>24</b>	
*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	co-requisite EPS141
EE 231	Electrical Circuits 1	3	3	4	EPS141;ENM141
EE 233	Electromagnetics	4		4	w/ ENM 231
FIL 1	Akademiko sa Wikang Filipino	3		3	
PE 3	Rhythmic and Social Recreation	2		2	
<b>TOTAL</b>		<b>25</b>	<b>9</b>	<b>28</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 10A	Living in the IT Era	3		3	
GE 11	Gender and Society	3		3	
ENM 241	Engineering Data Analysis	3		3	
ENM 242	Advanced Engineering Mathematics (for ECE)	3	3	4	ENM231;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 241	Electrical Circuits 2	3	3	4	EE231
PE 4	Cultural Presentation & Sports Management	2		2	
<b>TOTAL</b>		<b>26</b>	<b>9</b>	<b>29</b>	

**THIRD YEAR**

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 6	Art Appreciation	3		3	
GE 7	Science Technology & Society	3		3	
GE 9	Life and Works of Rizal	3		3	
ENM 331	Numerical Methods & Analysis	3	3	4	3rd yr standing
ENS 331	Engineering Economics	3		3	ENM241
ECE 331	Electronics 2	3	3	4	ECE241
ECE 332	Communications 1: Principles of Communication Systems	3	3	4	co-requisite ECE331
ECE 334	Signal Spectra & Signal Processing	3	3	4	ENM242
ECE 335	Logic Circuits and Switching Theory	3	3	4	ECE 241
<b>TOTAL</b>		<b>27</b>	<b>15</b>	<b>32</b>	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 8	Ethics	3		3	
ENS 340	Material Science & Engineering	3	3	3	EPS131
ENS 341	Research Methods for Engineering	3		3	ENM241
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	ENM242
ECE 343	Electronics 3	3	3	4	ECE 331
ECE 344	Communications 2: Modulation and Coding Techniques	3	3	4	ECE332
ECE 345	Advance Communication System & Design	3	3	4	3rd yr standing
<b>TOTAL</b>		<b>27</b>	<b>15</b>	<b>32</b>	

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.
GE 12	Philippine Popular Culture	3		3	
ECE 431	ECE Project Proposal	1	3	2	ECE 400
ECE 432	Communications 3: Data Communications	3	3	4	ECE 344
ECE 433	Communications 4: Transmission Media, Antenna System and Design	3	3	4	ECE344
ECE 434	Instrumentation and Process Control	3	3	4	ECE 342
ECE 435	Advanced Networking	3	3	4	ECE 345
ECE 436	Computer Systems Architecture	3	3	4	ENS 142
ECE 437	ICT Infrastructure	3	3	4	ECE 341
<b>TOTAL</b>		<b>22</b>	<b>21</b>	<b>29</b>	

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	Broadcast Production Engineering	3	3	4	ECE 433
ECE 443	ECE Laws, Contracts, Ethics, Codes & Standards	3		3	ECE431
ECE 444	Seminars & Field Trips		3	1	4th yr standing
ECE 445	Electronics Ancillary System	3	3	4	ECE 343
ECE 446	Operating Systems and Advanced Programming Languages	3	3	4	ENS 142
ECE 500	NORSU Eng'g Competency Assessment	3		3	4th yr standing
<b>TOTAL</b>		<b>18</b>	<b>18</b>	<b>24</b>	

First Revision: August 2020

Summary:

<b>NON TECHNICAL</b>	<b>53</b>
General Education:	27
GE Elective/Mandated:	12
Physical Education:	8
NSTP:	6
<b>TECHNICAL</b>	<b>173</b>
Engineering Mathematics:	16
Engineering Sciences:	48
Allied Courses:	8
Professional Courses:	100
Total	226
With Enhancement (for SHS-Off track)	8