



RA 9299

Negros Oriental State University
NOPS (1907)

Republic of the Philippines

Negros Oriental State University

NOTS (1927) EVSAT (1956) CVPC (1983)
Kagawasan Ave., Dumaguete City, Negros Oriental, Philippines 6200

June 25, 2004

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Per CMO No. 92, series of 2017

Effective School Year 2018-2019

FIRST YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
NM 131	Engineering Calculus I	3		3	
NS 131	Chemistry for Engineers	3	3	4	
NS 131	Engineering Orientation (CE)	2		2	
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
GE 1	Physical Fitness and Health	2		2	
STP 1	National Service Training Program 1	3		3	
TOTAL		22	3	23	
NM 011	Algebra 1	2		2	
NM 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 143	Engineering Drawing and Plans		3	1	
ENS 142	Computer Fund. & Programming	2	3	3	
GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3	
GE 6	Art Appreciation	3		3	
PE 2	Recreational Games and Sports	2		2	PE1
NSTP 2	National Service Training Program 2	3		3	NSTP1
TOTAL		22	9	25	
*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.
NM 231	Differential Equations	3		3	ENM141
NS 231	Statics of Rigid Bodies	3		3	EPS141
NS 232	Computer-Aided Design	1	3	2	ENS142, ENS143
NS 233	Environmental Science & Eng'g.	3		3	EPS131
FE 230	Fundamentals of Surveying	3	3	4	EPS141, ENS143
GE 7	Science, Technology & Society	3		3	
GE 8	Ethics	3		3	
GE 1	Akademiko sa Wikang Filipino	3		3	
GE 3	Rhythmic and Social Recreation	2		2	PE2
TOTAL		24	6	26	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENM 241	Engineering Data Analysis	3		3	ENS142, ENM231
ENS 241	Dynamics of Rigid Bodies	3		3	ENS231
ENS 242	Mechanics, of Deformable Bodies	4		4	ENS231, ENM141
ENS 243	Technopreneurship	3		3	2nd yr standing
ENS 244	Principles of Geology	3		3	EPS131, ENS 233
CE 241	Construction Materials and Testing	2	3	3	ENS233
CE 242	Highway & Railroad Engineering	3		3	GdE 230
GE 10A	Living in the IT Era	3		3	
PE 4	Cultural Presentation & Sports Management	2		2	PE3
TOTAL		26	3	27	

THIRD YEAR

First Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
NM 331	Numerical Methods and Analysis	3	3	4	ENM241
NS 331	Engineering Economics	3		3	ENS243, ENM241
NS 331	Structural Theory 1	3	3	4	ENS 242
NS 332	Engineering Utilities 1	3		3	EPS141, ENS 143
NS 333	Soil Mechanics	3	3	4	ENS244, ENS242
NS 334	Hydraulics 1	3	3	4	ENS241
NS 335	Principles of Transportation Engineering	3		3	CE242
GE 11	Gender and Society	3		3	
TOTAL		24	12	28	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
ENS 343	Engineering Management	3		3	ENS331, ENS243
CE 341	Principles of Steel Design	2	3	3	CE331
CE 342	Principles of Reinforced/Pre-stressed Concrete	3	3	4	CE331
CE 343	Hydrology	3		3	3rd yr standing
CE 344	Hydraulics 2	3	3	4	CE334
CE 345	Engineering Utilities 2	3		3	CE332
CE 346	Structural Theory 2	3	3	4	CE331
GE 12	Philippine Popular Culture	3		3	
TOTAL		23	12	27	

Summer					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CE 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.
CE 431	CE Project Proposal	1	3	2	CE400
CE 432	Reinforced Concrete Design	3		3	CE342
CE 433	Foundation Engineering & Retaining Wall Design	3		3	4th yr standing
CE 434	Irrigation Engineering	3		3	CE344
CE 435	Building Systems Design	2	3	3	CE341, CE342, CE345
CE 436	Construction Methods and Project Management	2	3	3	CE345, ENS 343
CE 437	Quantity Surveying	2	3	3	ENS143, CE345, ENS343
CE 438	Water Resources Engineering	3		3	CE343, CE344
CE 439	Life & Works of Rizal	3		3	
TOTAL		22	12	26	

Second Semester					
Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CE 441	CE Project Study		6	2	CE431
CE 442	Water Supply Planning & Development	3		3	CE436, CE 438
CE 443	Earthquake Engineering	3		3	CE433
CE 444	Construction Occupational Safety and Health	3		3	4th yr standing
CE 445	CE Laws, Contracts, Ethics, Codes & Standards	3		3	4th yr standing
CE 446	Flood Control and Drainage Design	3		3	4th yr standing
CE 500	NORSU Eng'g Competency Assessment	3	3	4	Completed all 4th year 1st Semester subjects
TOTAL		18	9	21	

Revision: August 2020

Summary:

NON TECHNICAL	53
General Education:	24
GE Elective/Mandated:	15
Physical Education:	8
NSTP:	6
TECHNICAL	155
Mathematics	16
Natural/Physical Sciences	11
Basic Engineering Sciences	27
Allied Courses:	6
Professional -Common	66
Professional -Specialized	24
OJT	5
Total	208
With Enhancement (for SHS-Off track)	8
Total	216