Northwestern Mindanao State College of Science and Technology
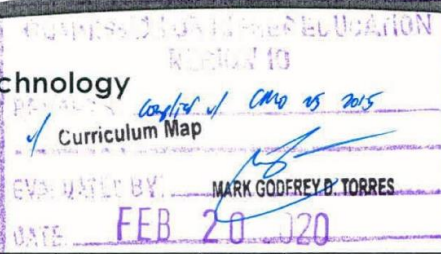
Bachelor of Science in Information Technology

Based on CMO NO. 25 Series of 2015

BOT Resolution No. 36 s. 2018

Effective S.Y. 2018-2019

SUBJECT CODE	DESCRIPTIVE TITLE	UNIT		HOUR		CREDIT	PRE-REQUISITE
		LEC	LAB	LEC	LAB		
1ST YEAR : FIRST SEMESTER							
CC101	Introduction to Computing	3	0	3	3	3	
CC102	Computer Programming I	2	1	2	3	3	
MMW	Mathematics in the Modern World	3	0	3	0	3	
* ENVSCI	Environmental Science	3	0	3	0	3	
PATH Fit 1	Movement Competency Training	2	0	2	0	2	
JEEP 1	Job Enabling English Proficiency - Start	2	1	2	3	3	
CSCI 11	Understanding the Self	3	0	3	0	3	
NSTP1	National Service Training Program 1 (ROTC/CWTS/LTS)	0	0	0	0	3	
	TOTAL	18	2	18	9	23	
1ST YEAR : SECOND SEMESTER							
ITF1	Information Technology Fundamentals	2	1	2	3	3	CC101
CC103	Computer Programming 2	2	1	2	3	3	CC102
STS	Science and Technology and Society	3	0	3	0	3	
* PurComm	Purposive Communication	3	0	3	0	3	
JEEP 2	Job Enabling English Proficiency - Accelerate	2	1	2	3	3	JEEP 1
CC105	Data Structures and Algorithms	2	1	2	3	3	CC101, (CC103 Co-Requisite)
PATH Fit 2	Fitness Training	2	0	2	0	2	PATH Fit 1
NSTP2	National Service Training Program 2 (ROTC/CWTS/LTS)	0	0	0	0	3	NSTP 1
	TOTAL	16	4	16	12	23	
2ND YEAR : FIRST SEMESTER							
CC104	Information Management 1	2	1	2	3	3	CC105
PT101	Platform Technologies 1	2	1	2	3	3	CC103
* CONWORLD	The Contemporary World	3	0	3	0	3	
Ethics	Ethics	3	0	3	0	3	
RVA	Reading Visual Arts	3	0	3	0	3	
WEB	Web Systems and Technologies	2	1	2	3	3	CC102
PATH Fit 3	Dance/Sports/Group Exercises 1	2	0	2	0	2	PATH Fit 2
	TOTAL	17	3	17	9	20	
2ND YEAR : SECOND SEMESTER							
CC106	Fundamentals of Database Systems	2	1	2	3	3	CC104
CC108	Object-Oriented Programming	2	1	2	3	3	CC103
CC109	Data Communication and Networking 1	2	1	2	3	3	PT101
* HUM11	Art Appreciation	3	0	3	0	3	
HIST11	Reading in Philippine History	3	0	3	0	3	
ITELEC1	IT Elective 1 (Research Methods in Information Technology)	2	1	2	3	3	
PATH Fit 4	Dance/Sports/Group Exercises 2	2	0	2	0	2	PATH Fit 3
	TOTAL	16	4	16	12	20	
3RD YEAR : FIRST SEMESTER							
CC107	Advanced Database Systems	2	1	2	3	3	CC106

Code	Course	Lec	Lab	Units	Hrs Lec	Hrs Lab	Prerequisite
CC110	Data Communication and Networking 2	2	1	2	3	3	CC109
CC111	Application Development and Emerging Technologies	2	1	2	3	3	CC108
* Rizal	The Life and Works of Jose Rizal	3	0	3	0	3	
ITPROFEL1	IT Professional Elective 1	2	1	2	3	3	
SP101	Social and Professional Issues	3	0	0	0	3	
HCI1	Human Computer Interaction 1	2	1	2	3	3	
	TOTAL	16	5	13	15	21	

3RD YEAR : SECOND SEMESTER

Code	Course	Lec	Lab	Units	Hrs Lec	Hrs Lab	Prerequisite
CC112	Information Assurance and Security 1	2	1	2	3	3	CC106
CC113	Operating Systems	2	1	2	3	3	CC101, CC105
ITELEC2	IT Elective 2 (Advanced Statistics)	2	1	2	3	3	ITELEC1
SIA1	Systems Integration and Architecture 1	2	1	2	3	3	CC111
* ENTREP11	The Entrepreneurial Mind	3	0	3	0	3	
CC114	Fundamentals of Data Warehousing and Data Mining	2	1	2	3	3	CC107
IPT1	Integrative Programming and Technologies 1	2	1	2	3	3	
CC115	Systems Administration and Maintenance	2	1	2	3	3	(CC114 Co-Requisite)
	TOTAL	17	7	17	21	24	

SUMMER

Code	Course	Lec	Lab	Units	Hrs Lec	Hrs Lab	Prerequisite
ITELEC3	IT Elective 3 (Business Intelligence)	2	1	2	3	3	ITELEC2
CAP101	Capstone Project I	2	1	2	3	3	4th year standin
	TOTAL	2	1	2	3	6	

4TH YEAR: FIRST SEMESTER

Code	Course	Lec	Lab	Units	Hrs Lec	Hrs Lab	Prerequisite
ITPROFEL2	IT Professional Elective 2	2	1	2	3	3	ITPROFEL1
ITPROFEL3	IT Professional Elective 3	2	1	2	3	3	ITPROFEL2
CAP102	Capstone Project 2	2	1	2	3	3	CAP101
	TOTAL	6	3	6	9	9	

4TH YEAR : SECOND SEMESTER

Code	Course	Lec	Lab	Units	Hrs Lec	Hrs Lab	Prerequisite
SEMTOUR	Seminar and Tours	1	0	1	0	1	4th year standing
PRAC101	Practicum (486 Hours)	0	0	0	0	6	Completed all Major Subjects until 3rd year Level
	TOTAL	1	0	1	0	7	

Recommended Electives

Advanced Data Mining
Advanced Statistics
Business Intelligence
Distributed Database
Event Driven Programming
Human Computer Interaction 2
Information Assurance and Security 2
Integrative Programming Technologies 2
Platform Technologies 2
Research Methods in Information Technology
Systems Integration and Architecture 2
Advance Systems Integration and Architecture

	CHED	SICT
General Education	36	36
Common Course	18	18
Professional Courses	48	48
Professional Electives	12	12
Additional Professional or Domain Courses	18	19
Institutional Requirement	0	6
Mandated Courses (PE and NSTP)	14	14
TOTAL	**146**	**153**

Note: Probationary status students are not allowed to enroll those subjects with an asterisk (*).