DAVAO CENTRAL COLLEGE

Toril, Davao City

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Accredited by ACSCU-AAI

Reference:	CMO 25, s. 2015
Effective:	SY 2018 - 2019
Rev.: 0	June 25, 2018

FIRST YEAR

First Semester						Second Semester					
Subject Code	Description	Lec	Lab	Units	Pre-Req	Subject Code	Description	Lec	Lab	Units	Pre-Req
CC 101	Introduction to Computing	2	1	3	None	HCI 101	Intro to Human Computer Interaction 1	2	1	3	None
CC 102	Fundamentals of Programming	2	1	3	None	CC 103	Intermediate Programming	2	1	3	CC 102
GE Eng1	Purposive Communication	3	0	3	None	MS 101	Discrete Mathematics	3	0	3	None
GE Psy1a	Understanding the Self	3	0	3	None	RIZAL	Rizal's Life Works and Writings	3	0	3	None
GE ESci	The Contemporary World	3	0	3	None	GE Hist1	Readings in Philippine History	3	0	3	None
GE Math1	Mathematics in the Modern World	3	0	3	None	GE Fil.1	Malayuning Komunikasyon	3	0	3	None
NSTP 1	National Service Training Program 1	3	0	3	None	NSTP 2	National Service Training Program 2	3	0	3	NSTP 1
P Educ 1	Movement Enhancement	2	0	2	None	P Educ 2	Fitness Exercises	2	0	2	P Educ 1
	Total	**21**	**2**	**23**			**Total**	**21**	**2**	**23**	

SECOND YEAR

First Semester						Second Semester					
Subject Code	Description	Lec	Lab	Units	Pre-Req	Subject Code	Description	Lec	Lab	Units	Pre-Req
CC 104	Data Structures and Algorithms	2	1	3	CC 103	CC 105	Information Management	2	1	3	CC 104
E 101	IT Elective 1	2	1	3	None	NET 101	Networking 1	2	1	3	**
E 102	IT Elective 2	2	1	3	None	IM 101	Fundamentals of Database Systems	2	1	3	CC 104
ITE-SWF	Software Fundamentals	2	1	3	None	IPT 101	Integrative Programming and Technologies 1	2	1	3	**
GE SSoc 1	Science, Technology and Society	3	0	3	None	MS 102	Quantitative Methods (incl. Modeling & Simulation)	2	1	3	MS 101
GE Eth	Ethics	3	0	3	None	E 103	IT Elective 3	2	1	3	None
GE Fil.2	Ang Panitikang Pilipino	3	0	3	None	ITE-UXD	User Experience Design	2	1	3	None
IR 1	Mind Education	3	0	3	None	GE Fil.3	Panitikang Pandaigdig	3	0	3	None
P Educ 3	Physical Activities Towards Health & Fitness 1	2	0	2	P Educ 2	P Educ 4	Physical Activities Towards Health & Fitness 2	2	0	2	P Educ 3
	Total	**22**	**4**	**26**			**Total**	**19**	**7**	**26**	

Summer					
Subject Code	Description	Lec	Lab	Units	Pre-Req
ITE-WMS	Web and Mobile Systems	2	1	3	ITE-UXD
IR 6	Business Startup	3	0	3	None
	Total	**5**	**1**	**6**	

THIRD YEAR

First Semester						Second Semester					
Subject Code	Description	Lec	Lab	Units	Pre-Req	Subject Code	Description	Lec	Lab	Units	Pre-Req
IAS 101	Information Assurance and Security 1	2	1	3	***	SP 101	Social and Professional Issues	3	0	3	***
SIA 101	System Integration and Architecture 1	2	1	3	***	IAS 102	Information Assurance and Security 2	2	1	3	IAS 101
NET 102	Networking 2	2	1	3	NET 101	CC 106	Application Dev. and Emerging Tech.	2	1	3	***
E 104	IT Elective 4	2	1	3	None	CAP 101	Capstone Project and Research 1	2	1	3	IAS 101
ITS-MAP	Mobile Applications	2	1	3	ITE-WMS	ITS-SDM	Software Development and Management	2	1	3	ITE-SWF
IR 2	Peace Education	3	0	3	None	GE Art1	Art Appreciation	3	0	3	None
IR 4	Community Development	3	0	3	None	IR 3	Personality and Career Development	3	0	3	None
	Total	**16**	**5**	**21**			**Total**	**17**	**4**	**21**	

FOURTH YEAR

First Semester						Second Semester					
Subject Code	Description	Lec	Lab	Units	Pre-Req	Subject Code	Description	Lec	Lab	Units	Pre-Req
SA 101	System Administration and Maintenance	2	1	3	****	PRAC 101	Practicum (486 Hours)	0	6	6	****
CAP 102	Capstone Project and Research 2	2	1	3	CAP 101		**Total**	**0**	**6**	**6**	
ITS-VSS	Virtual Systems and Services	2	1	3	****						
	Total	**6**	**3**	**9**							

RECOMMENDED ELECTIVES:

Human Computer Interaction 2	Platform Technologies	Object-Oriented Programming
Integrative Programming Technologies 2	Web Systems and Technologies	Systems Integration and Architecture 2

LEGEND:

**	Second Year Standing	***	Third Year Standing	****	Fourth Year Standing

SER JAMIER L. LLEGO, LPT, MIT
ITE Program Head

ELPIDIA G. SALAZAR, MAED
Registrar

ERLINDA P. ZURITA, EdD, PhD
VP for Academic Affairs

Course Outline

I. GENERAL EDUCATION		Units	Pre-requisite	Total Units
1.1 GE Core Courses				
GE Eng1	Purposive Communication	3	None	
GE Psy1a	Understanding the Self	3	None	
GE ESci	The Contemporary World	3	None	
GE Math1	Mathematics in the Modern World	3	None	
GE Hist1	Readings in Philippine History	3	None	
GE SSoc1	Science, Technology and Society	3	None	
GE Eth	Ethics	3	None	
GE Art1	Art Appreciation	3	None	
1.2 Filipino				
GE Fil.1	Malayuning Komunikasyon	3	None	
GE Fil.2	Ang Panitikang Pilipino	3	None	
GE Fil.3	Panitikang Pandaigdig	3	None	
1.3 Life and Works of Rizal				
RIZAL	Rizal's Life Works and Writings	3	None	**36**
II. BASIC ITE CORE COURSES				
CC 101	Introduction to Computing	3	None	
CC 102	Fundamentals of Programming	3	None	
CC 103	Intermediate Programming	3	CC 102	
CC 104	Data Structures and Algorithms	3	CC 103	
CC 105	Information Management	3	CC 104	
CC 106	Application Dev. and Emerging Tech.	3	3rd Year Standing	**18**
III. ITE PROFESSIONAL COURSES				
HCI 101	Intro to Human Computer Interaction 1	3	None	
IAS 101	Information Assurance and Security 1	3	3rd Year Standing	
IAS 102	Information Assurance and Security 2	3	IAS 101	
IM 101	Fundamentals of Database Systems	3	CC 104	
IPT 101	Integrative Programming and Technologies 1	3	2nd Year Standing	
MS 101	Discreet Mathematics	3	None	
MS 102	Quantitative Methods (incl. Modeling & Simulation)	3	MS 101	
NET 101	Networking 1	3	2nd Year Standing	
NET 102	Networking 2	3	NET 101	
PRAC 101	Practicum	6	4th Year Standing	
SA 101	System Administration and Maintenance	3	4th Year Standing	
SIA 101	System Integration and Architecture 1	3	3rd Year Standing	
SP 101	Social and Professional Issues	3	3rd Year Standing	
CAP 101	Capstone Project and Research 1	3	IAS 101	
CAP 102	Capstone Project and Research 2	3	CAP 102	**48**
IV. ITE ELECTIVES				
E101	IT Elective 1	3	None	
E102	IT Elective 2	3	None	
E103	IT Elective 3	3	None	
E104	IT Elective 4	3	None	**12**
V. ADDITIONAL DOMAIN SUBJECTS				
ITE-SWF	Software Fundamentals	3	None	
ITE-UXD	User Experience Design	3	None	
ITE-WMS	Web and Mobile Systems	3	ITE-UXD	
ITS-MAP	Mobile Applications	3	ITE-WMS	
ITS-SDM	Software Development and Management	3	ITE-SWF	
ITS-VSS	Virtual Systems and Services	3	4th Year Standing	**18**
VI. PHYSICAL EDUCATION				
P Educ 1	Movement Enhancement	2	None	
P Educ 2	Fitness Exercises	2	P Educ 1	
P Educ 3	Physical Activities Towards Health & Fitness 1	2	P Educ 2	
P Educ 4	Physical Activities Towards Health & Fitness 2	2	P Educ 3	**8**
VII. NATIONAL SERVICE TRAINING PROGRAM				
NSTP 1	National Service Training Program 1	3	None	
NSTP 2	National Service Training Program 2	3	NSTP 1	**6**
VIII. INSTITUTIONAL REQUIREMENTS				
IR 1	Mind Education	3	None	
IR 2	Peace Education	3	None	
IR 3	Personality and Career Development	3	None	
IR 4	Community Development	3	None	
IR 6	Business Startup	3	None	**15**
			TOTAL	**161**

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