

## **Opol Community College** Opol, Misamis Oriental

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY Revised for SY 2019-2020 Effective SY 2020-2021

	FIRST Y	EAR				
	FIRST SEM					
SUBJECT	FIRST SEM	CREDIT	LEC	LAB	HRS/	PRE-
CODE	DESCRIPTIVE TITLE	UNITS	HOURS	HOURS	WEEK	REQUISITE
GenEd1	Understanding the Self	3	3	0	3	None
GenEd2	Purposive Communication	3	3	0	3	None
GenEd3	Mathematics in the Modern World	3	3	0	3	None
VED	Good Manners and Right Conduct	3	3	0	3	None
PF-1	Movement Competency Training	2	2	0	2	None
NSTP1	CWTS/ROTC/LTS	3	3	0	3	None
T101	Introduction to Computing	3	2	3	5	None
T102	IT Fundamentals	3	3	0	3	None
T102	Programming 1	3	2	3	5	None
11105	Total Hrs/Units		24	6	30	None
	FIRST Y		27	0	30	
	SECOND SE					
OUD IFOT	SECOND SE	1	LEC	LAD	LIDC /	DDE
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/ WEEK	PRE- REQUISITE
GenEd4	Readings in Philippine History with IP Educ	3	3	0	WEEK 3	None
GenEd5	The Contemporary World	3	3	0	3	None
GenEd El 1	Gender and Society with Peace Educ	3	3	0	3	None
PF-2	Fitness Training	2	2	0	2	PF-1
NSTP2	CWTS/ROTC/LTS	3	3	0	3	NSTP1
T104		3	2	3	5	IT103
T104	Programming 2 Integrated Application Software	3	2	3	5	IT103 IT102
T105	Discrete Mathematics	3	3	0	3	GenEd3
11106			21	6	27	Geneda
	Total Hrs/Units		21	0	21	
	SECOND					
	FIRST SEM	-				
SUBJECT	DESCRIPTIVE TITLE	CREDIT	LEC	LAB	HRS/	PRE-
CODE		UNITS	HOURS	HOURS	WEEK	REQUISITE
GenEd6	Art Appreciation	3	3	0	3	None
GenEd7	Science, Technology and Society	3	3	0	3	None
GenEd El 2	Entrepreneurial Mind	3	3	0	3	None
RIZAL	Life, Works and Writing of Dr. Jose Rizal	3	3	0	3	None
PF-3		0	0			
	Dance Sports /In-Dual/Group/Outdoor	2	2	0	2	PF-2
IT201	Accounting for IT	3	3	0	3	GenEd3
IT201 IT202	Accounting for IT Networking 1	3 3	3 2	0 3	3 5	GenEd3 Regular 2 <sup>nd</sup> Yea
IT201 IT202 IT203	Accounting for IT Networking 1 Data Structures and Algorithms	3 3 3	3 2 2	0 3 3	3 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104
IT201 IT202 IT203	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming	3 3 3 3	3 2 2 2 2	0 3 3 3	3 5 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea
T201 T202 T203	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b>	3 3 3 3 26	3 2 2	0 3 3	3 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104
IT201 IT202 IT203	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND	3 3 3 26 YEAR	3 2 2 2 2	0 3 3 3	3 5 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104
IT201	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b>	3 3 3 26 YEAR MESTER	3 2 2 2 2 23	0 3 3 3	3 5 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104
T201 T202 T203 T204 SUBJECT	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE	3 3 3 26 YEAR MESTER CREDIT	3 2 2 2 23 LEC	0 3 3 9 LAB	3 5 5 32 HRS/	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE-
T201 T202 T203 T204 SUBJECT CODE	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE	3 3 3 26 YEAR MESTER	3 2 2 2 2 23	0 3 3 3 9	3 5 5 32 HRS/ WEEK	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE
T201 T202 T203 T204 SUBJECT CODE GenEd El 3	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era	3 3 3 26 YEAR MESTER CREDIT UNITS 3	3 2 2 2 23 LEC	0 3 3 9 LAB	3 5 5 32 HRS/ WEEK 3	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics	3 3 3 26 YEAR MESTER CREDIT UNITS	3 2 2 23 23 LEC HOURS	0 3 3 9 LAB HOURS	3 5 5 32 HRS/ WEEK	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE
T201 T202 T203 T204 SUBJECT CODE GenEd El 3	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era	3 3 3 26 YEAR MESTER CREDIT UNITS 3	3 2 2 23 23 LEC HOURS 3	0 3 3 9 LAB HOURS 0	3 5 5 32 HRS/ WEEK 3	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8 LIT	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics	3 3 26 YEAR MESTER CREDIT UNITS 3 3	3 2 2 23 23 LEC HOURS 3 3	0 3 3 9 LAB HOURS 0 0	3 5 5 32 HRS/ WEEK 3 3	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None None
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics Survey of Philippine Literature in English	3 3 3 26 YEAR MESTER CREDIT UNITS 3 3 3 3	3 2 2 23 23 LEC HOURS 3 3 3 3	0 3 3 9 4 4 4 4 4 4 5 4 6 0 0 0 0 0 0	3 5 5 32 HRS/ WEEK 3 3 3 3	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None None None
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8 LIT PF-4	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics Survey of Philippine Literature in English Team Sports Networking 2	3 3 3 26 YEAR MESTER CREDIT UNITS 3 3 3 3 2 3 3 3	3 2 2 23 23 LEC HOURS 3 3 3 3 2	0 3 3 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 5 5 32 HRS/ WEEK 3 3 3 3 2	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None None None PF-3 IT202
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8 LIT PF-4 T205 T206	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics Survey of Philippine Literature in English Team Sports Networking 2 Human Computer Interaction 1	3 3 3 26 YEAR MESTER CREDIT UNITS 3 3 3 3 2 2 3 3 3 3 3 3 3	3 2 2 23 23 LEC HOURS 3 3 3 3 2 2 2 2 2 2	0 3 3 9 9 LAB HOURS 0 0 0 0 0 3 3 3	3 5 5 32 HRS/ WEEK 3 3 3 3 2 2 5 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 PRE- REQUISITE None None None PF-3 IT202 IT204
T201 T202 T203 T204 SUBJECT CODE GenEd El 3 GenEd8 LIT PF-4 T205	Accounting for IT Networking 1 Data Structures and Algorithms Object-Oriented Programming <b>Total Hrs/Units</b> SECOND SECOND SE DESCRIPTIVE TITLE Living in the IT Era Ethics Survey of Philippine Literature in English Team Sports Networking 2	3 3 3 26 YEAR MESTER CREDIT UNITS 3 3 3 3 2 3 3 3	3 2 2 23 23 LEC HOURS 3 3 3 3 2 2 2	0 3 3 9 9 LAB HOURS 0 0 0 0 0 3	3 5 5 32 HRS/ WEEK 3 3 3 2 5	GenEd3 Regular 2 <sup>nd</sup> Yea IT104 IT104 IT104 PRE- REQUISITES None None None PF-3 IT202

	THIRD	YEAR						
	FIRST SEN							
SUBJECT		CREDIT	LEC	LAB	HRS/	PRE-		
CODE	DESCRIPTIVE TITLE	UNITS	HOURS	HOURS	WEEK	REQUISITES		
IT301	Methods of Research	3	3	0	3	Regular 3rd Year		
IT302	Platform Technologies 1 (Tangible Technologies)	3	2	3	5	IT205		
IT303	Human Computer Interaction 2	3	2	3	5	IT206		
IT304	Information Assurance and Security 1	3	2	3	5	IT205		
IT305	System Integration and Architecture 1	3	2	3	5	IT206, IT207		
IT306	Web Systems and Technologies	3	2	3	5	Regular 3rd Year		
IT307	Applications Development and Emerging Technologies	3	2	3	5	Regular 3rd Year		
IT308	Fundamentals of Database Systems	3	2	3	5	IT207		
	Total Hrs/Units	24	17	21	38			
	THIRD	YEAR						
	SECOND SE	CMESTER						
SUBJECT		CREDIT	LEC	LAB	HRS/	PRE-		
CODE	DESCRIPTIVE TITLE	UNITS	HOURS	HOURS	WEEK	REQUISITES		
IT309	Information Assurance and Security 2	3	2	3	5	IT304		
IT310	System Integration and Architecture 2	3	2	3	5	IT305		
IT311	Integrative Programming	3	2	3	5	Regular 3rd Year		
IT312	Platform Technologies 2 (Intangible	3	2	3	5	IT302		
	Technologies)	_	_	-	-			
IT313	IT Elective 1: Advanced Database System	3	2	3	5	Regular 3rd Year		
IT314	IT Elective 2: Mobile Application Development	3	2	3	5	Regular 3rd Year		
IT315	IT Elective 3: Information Systems	3	2	3	5	Regular 3rd Year		
	Total Hrs/Units	21	14	21	35			
	THIRD	YEAR						
	SUMM							
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/ WEEK	PRE- REQUISITES		
IT316	Capstone Project and Research 1	3	2	3	5	Regular 3rd Year		
IT317	IT Elective 4: Management Information System	3	2	3	5	Regular 3rd Year		
IT318	Social and Professional Issues	3	3	0	3	Regular 3rd Year		
	Total Hrs/Units	9	7	6	13			
	FOURTH	YEAR				1		
	FIRST SEM	<b>MESTER</b>						
SUBJECT		CREDIT	LEC	LAB	HRS/	PRE-		
CODE	DESCRIPTIVE TITLE	UNITS	HOURS	HOURS	WEEK	REQUISITES		
IT401	Capstone Project and Research 2	3	2	3	5	IT316		
IT402	Systems Administration and Maintenance	3	2	3	5	Regular 4 <sup>th</sup> Year		
IT403	IT Elective 5: Cloud Computing	3	2	3	5	Regular 4 <sup>th</sup> Year		
IT404	IT Elective 6: Internet of Things	3	2	3	5	Regular 4 <sup>th</sup> Year		
	Total Hrs/Units	9	6	9	15			
	FOURTH	YEAR				·		
	SECOND SE	EMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/ WEEK	PRE- REQUISITES		
IT405	On-The-Job Training (486 hours)	9	0	0	9	100% of the		
11100				0		professional courses taken		
	Total Hrs/Units	9	0	0	9			
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	SUMMARY UNITS							

SUMMARY	UNITS
I. PROFESSIONAL COURSES	
A. Core Courses	87
B. IT Elective Courses	18
I. NON-TECHNICAL COURSES	
A. General Education Course	24
B. GEC Electives	9
C. GEC Mandated	3
D. Path Fit Education	8
E. CWTS/ROTC/LTS	6
G. On-The-Job Training	9
H. Other GEC	6
TOTAL	170