



Opol Community College
Opol, Misamis Oriental

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Revised for SY 2019-2020

Effective SY 2020-2021

FIRST YEAR						
FIRST SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
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
IT101	Introduction to Computing	3	2	3	5	None
IT102	IT Fundamentals	3	3	0	3	None
IT103	Programming 1	3	2	3	5	None
Total Hrs/Units		26	24	6	30	
FIRST YEAR						
SECOND SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
GenEd4	Readings in Philippine History with IP Educ	3	3	0	3	None
GenEd5	The Contemporary World	3	3	0	3	None
GenEd E1 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
IT104	Programming 2	3	2	3	5	IT103
IT105	Integrated Application Software	3	2	3	5	IT102
IT106	Discrete Mathematics	3	3	0	3	GenEd3
Total Hrs/Units		23	21	6	27	
SECOND YEAR						
FIRST SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
GenEd6	Art Appreciation	3	3	0	3	None
GenEd7	Science, Technology and Society	3	3	0	3	None
GenEd E1 2	Entrepreneurial Mind	3	3	0	3	None
RIZAL	Life, Works and Writing of Dr. Jose Rizal	3	3	0	3	None
PF-3	Dance Sports /In-Dual/Group/Outdoor	2	2	0	2	PF-2
IT201	Accounting for IT	3	3	0	3	GenEd3
IT202	Networking 1	3	2	3	5	Regular 2 nd Year
IT203	Data Structures and Algorithms	3	2	3	5	IT104
IT204	Object-Oriented Programming	3	2	3	5	IT104
Total Hrs/Units		26	23	9	32	
SECOND YEAR						
SECOND SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
GenEd E1 3	Living in the IT Era	3	3	0	3	None
GenEd8	Ethics	3	3	0	3	None
LIT	Survey of Philippine Literature in English	3	3	0	3	None
PF-4	Team Sports	2	2	0	2	PF-3
IT205	Networking 2	3	2	3	5	IT202
IT206	Human Computer Interaction 1	3	2	3	5	IT204
IT207	Information Management	3	2	3	5	IT203
IT208	Event-Driven Programming	3	2	3	5	Regular 2 nd Year
Total Hrs/Units		23	19	12	31	IT204

THIRD YEAR						
FIRST SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
IT301	Methods of Research	3	3	0	3	Regular 3 rd 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 3 rd Year
IT307	Applications Development and Emerging Technologies	3	2	3	5	Regular 3 rd Year
IT308	Fundamentals of Database Systems	3	2	3	5	IT207
Total Hrs/Units		24	17	21	38	
THIRD YEAR						
SECOND SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-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 3 rd Year
IT312	Platform Technologies 2 (Intangible Technologies)	3	2	3	5	IT302
IT313	IT Elective 1: Advanced Database System	3	2	3	5	Regular 3 rd Year
IT314	IT Elective 2: Mobile Application Development	3	2	3	5	Regular 3 rd Year
IT315	IT Elective 3: Information Systems	3	2	3	5	Regular 3 rd Year
Total Hrs/Units		21	14	21	35	
THIRD YEAR						
SUMMER						
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 3 rd Year
IT317	IT Elective 4: Management Information System	3	2	3	5	Regular 3 rd Year
IT318	Social and Professional Issues	3	3	0	3	Regular 3 rd Year
Total Hrs/Units		9	7	6	13	
FOURTH YEAR						
FIRST SEMESTER						
SUBJECT CODE	DESCRIPTIVE TITLE	CREDIT UNITS	LEC HOURS	LAB HOURS	HRS/WEEK	PRE-REQUISITES
IT401	Capstone Project and Research 2	3	2	3	5	IT316
IT402	Systems Administration and Maintenance	3	2	3	5	Regular 4 th Year
IT403	IT Elective 5: Cloud Computing	3	2	3	5	Regular 4 th Year
IT404	IT Elective 6: Internet of Things	3	2	3	5	Regular 4 th Year
Total Hrs/Units		9	6	9	15	
FOURTH YEAR						
SECOND SEMESTER						
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 professional courses taken
Total Hrs/Units		9	0	0	9	

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