

UNIVERSITY OF YAOUNDE 1 FACULTY OF SCIENCES DIVISION OF COMPUTER SCIENCE ICT4D

6.0 Units of study

	Level one Semester one										
Code	Denomination	Lecture	Tutorial	Lab	PSW	Volume	CR				
	Func	lamental	l	1	l	I					
ICT105	Introduction to algorithms	30	15	15	15	50	5				
ICT107	Mathematics for computer science I	30	15	15	15	50	5				
ICT109	Discrete Mathematics I	30	15	15	15	50	5				
	Prof	fessional		•			•				
ICT101	Introduction to Business Information Systems	30	15	15	15	50	5				
ICT103	Introduction to Programming	30	22.5	15	15	50	5				
ICT111	Data Coding	30	15	15	15	50	5				

	Level one	Semeste	r Two				
Code	Denomination	Lecture	Tutorial	Lab	PSW	Volume	CR
	Funda	mental					<u> </u>
ICT104	Computer systems	30	22.5	12	18	50	6
ICT106	Data Structures and Patterns I	30	15	15	15	50	5
	Profe	ssional					
ICT102	Object-Oriented Programming	30	15	15	15	50	5
ICT108	Creating Web Application	30	22.5	12	18	50	6
ICT110	Database Analysis and Design	30	15	15	15	50	5
	Second 1	Language	<u>}</u>				
ENGL104	English I	20	10.5		9	30	3
FRAN104	Français I	20	10.5		9	30	3

	Level Two	Semeste	r one				
Code	Denomination	Lecture	Tutorial	Lab	PSW	Volume	CR
	Funda	amental				l	1
ICT203	Database Systems	30	22.5	12	18	50	6
ICT201	Introduction to Software Engineering	30	22.5	12	18	50	6
	Profe	essional					
ICT205	Introduction to Programming in .NET	30	15	15	15	50	5
ICT207	Software Development in Java I	30	15	15	15	50	5
	Second	Language	2				
ENGL203	English II	20	10.5		9	30	3
FRAN203	Français II	20	10.5		9	30	3
F	Each student must choose an option ar	nong the	following	(Profe	essional (Course)	
	COMPUTE	R SECUE	RITY				
ICT213	Introduction to Computer Security and Risk Management	30	15	15	15	50	5
	COMPUTER	NETWO	RKING		•		
ICT215	Introduction to Computer Networking	30	15	15	15	50	5
	INFORMATION SYSTEM AN	D SOFTV	WARE EN	GINI	EERING	1	
ICT217	Software Engineering	30	15	15	15	50	5

	Level Two Semester Two										
Code	Denomination	Lecture	Tutorial	Lab	PSW	Volume	CR				
	Fundamental										
ICT204	Introduction to Operating System	30	15	15	15	50	5				
ICT208	Computer Architecture	30	15	15	15	50	5				
	Profe	essional									
ICT202	Software Development for Mobile devices	30	15	15	15	50	5				
ICT206	Introduction to Computer Network	30	15	15	15	50	5				
ICT210	Database Programming										

	Each student must choose an option among the following (Professional Course)									
COMPUTER SECURITY										
ICT214	Introduction to Cryptography	30	15	15	15	50	5			
	COMPUT	ER NETW	ORKING	T T			<u> </u>			
ICT216	Network Administration	30	15	15	15	50	5			
	INFORMATION SYSTEM AND SOFTWARE ENGINEERING									
ICT218	Advanced Mobile Application	30	15	15	15	50	5			
	Development									

Funda oftware Architectures and Design Data Communication and Security Profes Web Application Development	30	22.5 22.5	12 12	PSW 18 18	Volume 50 50	CR 6
Oata Communication and Security Profes Web Application Development	30 30 ssional	22.5		_		
Profes Veb Application Development	30 22.5 12 18 50 6					
Profes Web Application Development	ssional		12	18	50	6
Veb Application Development		1.5	<u> </u>			
	20	1.5			_	<u> </u>
		15	18	12	50	4
omnuter Systems Engineering	30	15	15	15	50	5
			13	13	30	
	- Language					
nglish III	20	15			30	3
rançais III	20	15			30	3
ch student must choose an option am	nong the f	following	Profe	ssional (Course)	
COMPUTER	R SECUR	RITY				
Syber and Internet Security	20	15	18	12	50	4
COMPUTER N	NETWO	RKING	<u> </u>	l		<u>.l</u>
Network Application Development	20	15	18	12	50	4
INFORMATION SYSTEM ANI	D SOFTV	WARE EN	GINE	EERING		.1
nformation System	20	15	18	12	50	4
r	rançais III th student must choose an option an COMPUTED yber and Internet Security COMPUTER N etwork Application Development INFORMATION SYSTEM AN	Second Language Inglish III 20 Inançais III 20 In student must choose an option among the student must choose an option among the student among the student must choose an option among the student must ch	Second Language Inglish III 20 15 Inançais III 20 15 COMPUTER SECURITY Substitution Development 20 15 INFORMATION SYSTEM AND SOFTWARE EN	Second Language Inglish III 20 15 Itançais III 20 15 In student must choose an option among the following (Profession and Internet Security 20 15 18 COMPUTER SECURITY Substituting the student must choose an option among the following (Profession amo	Second Language Inglish III 20 15 Inançais III 20 15 In student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY) Substituting the student must choose an option among the following (Professional COMPUTER SECURITY	Second Language Inglish III 20 15 30 COMPUTER SECURITY Inglish III 20 15 30 COMPUTER SECURITY Inglish III 20 15 30 COMPUTER SECURITY Inglish III 20 15 30 INFORMATION SYSTEM AND SOFTWARE ENGINEERING

	Level Tree	Semeste	r Two				
Code	Denomination	Lecture	Tutorial	Lab	PSW	Volume	CR
ICT300	Internship				360	120	12

	Fund	amenta	nl				
ICT302	Introduction to Artificial Intelligence	20	15	18	12	50	4
ICT304	Software Testing and Deployment	17		30	9	50	3
	Profe	essiona	l		_	<u> </u>	<u> </u>
ICT306	Business Intelligence	20	15	18	12	50	4
ICT308	Software Development in Java II	20	15	18	12	50	4
ICT310	Professional Issues in IT	17		30	9	50	3
	Each student must choose an option an	mong t	ne followin	g (Prof	essional	Course)	<u> </u>
	COMPUTE	R SEC	URITY				
ICT314	Computer Forensics and Incident Response	20	15	18	12	50	4
	COMPUTER	NETW	ORKING	•	•	'	•
ICT316	Digital communication	20	15	18	12	50	4
	INFORMATION SYSTEM AN	D SOF	TWARE	ENGIN	EERIN	\mathbf{G}	l
ICT318	Java Enterprise Edition	20	15	18	12	50	4