



The University of the Future

ACCRA INSTITUTE OF TECHNOLOGY

ONLINE STUDENTS PROGRAMS OUTLINE

PROGRAM		Information Technology			QUALIFICATION	BSc (Honours)		
YEAR 1				YEAR 2				
Trimester 1				Trimester 1				
Course Code	Course Title	Pre.	Credit Hrs.	Course Code	Course Title	Pre.	Credit Hrs.	
IT101	Information Technology I	-	3	NT201	Group Dynamics & Communications	-	2	
MATH101	Intermediate Algebra	-	3	IT201	Multimedia Applications Systems Development II	IT109	3	
MGT101	Principles of Management	-	3	FRN101	FRENCH I	-	3	
ENGL101	English Composition and Writing Skills I	-	3	CS205	Computer Org. and Architecture I	CS102	3	
Trimester 2				Trimester 2				
Course Code	Course Title	Pre.	Credit Hrs.	Course Code	Course Title	Pre.	Credit Hrs.	
CS103	Principles of Programming	-	3	IT204	Web Authoring & Content Management	IT102	3	

MATH102	Calculus I	MATH100/ MATH101	3		CS203	Data Structures & Algorithm I	CS104	3
PHY101	Physics I	-	3		MATH202	Probability and Statistics	MATH102	3
IT109	Multimedia	-	1		FRN102	French II	FRN101	3
Trimester 3					Trimester 3			
Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.
IT102	Information Technology II	IT101			CS209	System Programming	CS202	3
CS104		CS103			CS204	Data Structures and Algorithm II	CS203	3
IT103	Information Systems	-			CS208	Data Communication & Computer Networks I	-	
ENGL102	English Composition and Writing Skills II	ENGL101			IT205/ IT230/ IT232/ IT233/ SE100	IT Professional Ethics/ Multimedia Technologies/ Web Applications: Client Side Scripting/ Business Analysis/ Software Engineering Fundamentals	-/ IT102, IT204/ IT204/ MGT201/ -/	2/ 3
PROGRAM		Computer Sciencce			QUALIFICTION		BSc (Honours)	
YEAR 1					YEAR 2			
Trimester 1					Trimester 1			

Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.
CS101	Computer Science I	-	3		MATH201	Engineering Mathematics III	MATH105	3
MATH104	Engineering Mathematics	-	3		CS203	Data Structures & Algorithm I	CS104	3
ENG101	Intro. To Engineering	-	3		CS208	Data Communication & Computer Networks I	-	3
ENGL101	English Composition and Writing Skills I	-	3		CS205	Computer Org. and Architecture I	CS102	3
Trimester 2					Trimester 2			
Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.
CS103	Principles of Programming	-	3		CE201	Digital logic Design	CS102	3
MATH105	Engineering Mathematics II	MATH100/ MATH101	3		CS204	Data Structures & Algorithm II	CS104	3
ENG102	Engineering Science I	-	3		MATH202	Engineering Statistics	MATH201	3
ENG107	Engineering Practicum	-	1		NT201	Group Dynamics and Communications	-	3
Trimester 3					Trimester 3			
Course	Course Title	Pre.	Credit Hrs.		Course	Course Title	Pre.	Credit Hrs.

Code					Code			
CS102	Computer Science II	CS101			CS209	System Programming	CS202	3
CS104	OOP with Java	CS103			CS206	Computer Org. and Architecture II	CS205	3
ENG103	Engineering Science II	ENG102			CS210	Data Communication & Computer Networks II	-	
ENGL102	English Composition and Writing Skills II	ENGL101			NT202	Social & Ethics in Computer	NT201	3
ENG104	Basic Electricity and Electronics	ENG102						

PROGRAM				Engineering F. Y				QUALIFICTION				BEng (Honours)			
YEAR 1								YEAR 2							
Trimester 1								Trimester 1							
Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.		
CS101	Computer Science I	-	3		MATH201	Engineering Mathematics III	MATH105	3							
MATH104	Engineering Mathematics	-	3		CS203	Data Structures & Algorithm I	CS104	3							
ENG101	Intro. To Engineering	-	3		FRN101	French I	-	2							
ENGL101	English Composition and Writing Skills I	-	3		CS205	Computer Org. and Architecture I	CS102	3							
					CE202/ CE204	Engineering Circuit Analysis/ Circuit Analysis Laboratory	ENG104	2 1							
Trimester 2								Trimester 2							
Course	Course Title	Pre.	Credit Hrs.		Course	Course Title	Pre.	Credit Hrs.		Course	Course Title	Pre.	Credit Hrs.		

Code					Code			
CS103	Principles of Programming	-	3		FRN102	French II	FRN101	2
MATH105	Engineering Mathematics II	MATH100/ MATH101	3		CS204	Data Structures & Algorithm II	CS104	3
ENG102	Engineering Science I	-	3		MATH202	Engineering Statistics	MATH201	3
ENG107	Engineering Practicum	-	1		ENG233	Engineering Perspective and Skills	-	2
					ENG207	Engineering Lab 2 – Digital Electronic Instrumentation		
Trimester 3					Trimester 3			
Course Code	Course Title	Pre.	Credit Hrs.		Course Code	Course Title	Pre.	Credit Hrs.
CS102	Computer Science II	CS101			ENG201	Fundamentals of Engineering Design	-	3
CS104	OOP with Java	CS103			ENG203	Health and Safety Issues in Engineering	-	2
ENG103	Engineering Science II	ENG102			CS208	Engineering Lab 3 – Digital Technology Lab	ENG207	1
ENGL102	English Composition and Writing Skills II	ENGL101			NT203	Technology and Society	-	2
ENG104	Basic Electricity and Electronics	ENG102						

Trimester 3				Trimester 3			
Course Code	Course Title	Pre.	Credit Hrs.	Course Code	Course Title	Pre.	Credit Hrs.
IT103	Information Systems	IT101		MGT203	Business Law	MGT101	3
ECON102	Macroeconomics	ECON101		MS101	Fundamentals of Management Science	MATH203	3
ACCT201	Principles of Accounting II	ACCT101		MGT204	Business, Government and Society	-	3
FRN101	French I	-		BNT201	Business and Professional Ethics	-	3