



ACGRA INSTITUTE OF TECHNOLOGY

The University of the Future

CTECH/DTECH STUDENTS --- KNOW YOUR COURSES

PROGRAM				Information Technology	QUALIFICATION		CTech/DTech	
CTech				DTech				
Course Code	Course Title	Prereq	Credit Hrs.	Course Code	Course Title	Prereq	Credit Hrs.	
IT101	Information Technology I	-	3	IT102	Information Technology 2	IT101	3	
MATH100	Foundations of Mathematics and Statistics	-	3	MATH102	Calculus 1	MATH100	3	
CS103	Principles of Programming with C++	-	3	CS104	Object Oriented Programming with Java	CS103	3	
MGT101	Principles of Management	-	3	CS104L	Object Oriented Programming with Java Lab	CS103L	1	
CS103L	Principles of Programming with C++ Lab	-	1	IT103	Information Systems	IT101	3	

PROGRAM		Business Administration and IT		QUALIFICATION		CTech/DTech	
CTech				DTech			
Course Code	Course Title	Prereq	Credit Hrs.	Course Code	Course Title	Prereq	Credit Hrs.
IT101	Information Technology Foundation I	-	3	IT102	Information Systems	IT101	3
MATH100	Foundations of Mathematics and Statistics	-	3	MATH107	Business Mathematics and Statistics	MATH100	3
MGT101	Principles of Management	-	3	ECON101	Microeconomics	ECON101	3
ACCT100	Fundamentals of Accounting and Finance	-	3	MGT201	Introduction to Entrepreneurship	-	3
IT100	Business Computing and Practicum	-	1	IT110	Advanced Business Computing and Practicum	IT100	1

PROGRAM		Computer Science		QUALIFICATION		CTech/DTech	
CTech				DTech			
Course Code	Course Title	Prereq	Credit Hrs.	Course Code	Course Title	Prereq	Credit Hrs.
CS101	Computer Science I	-	3	CS102	Computer Science 2	CS101	3
MATH100	Foundations of Mathematics and Statistics	-	3	MATH102	Calculus 1	MATH100	3
CS103	Principles of Programming with C++	-	3	CS104	Object Oriented Programming with Java	CS103	3
ENG101	Introduction to Engineering	-	3	ENG102	Engineering Science I	-	3
CS103L	Principles of Programming with C++ Lab		1	CS104L	Object Oriented Programming with Java Lab	-	1

ENGINEERING PROGRAMS

PROGRAM		Engineering (TE,EEE,IE,CVE,EME, CE)		QUALIFICATION	CTech/DTech		
CTech				DTech			
Course Code	Course Title	Prereq	Credit Hrs.	Course Code	Course Title	Prereq	Credit Hrs.
IT101/ CS101	Information Tech Foundation I (TE,IE,CVE, EME) /Computer Science 1 (EEE, CE)	-	3	IT102/ CS102	Information Technology Foundation 2 (TE,IE,CVE, EME) /Computer Science 2 (EEE, CE)	IT101	3
MATH100	Foundations of Mathematics and Statistics	-	3	MATH102	Calculus 1	MATH100	3
ENG101	Introduction to Engineering	-	3	ENG102	Engineering Science I	-	3
ENG107	Engineering Practicum	-	1	ENG108	Engineering Lab 1	ENG107	1
ENG100	CTech Engineering Field Elective Course [EEE, CE, CVE, TE, IE]		3	XX101	DTech Engineering Field Elective Course	-	3
Sub-Total			13	Sub-Total			13

CTech: Engineering Field Elective Course (s)	Pre-requisite
ENG100-CE: Computer Engineering	-
ENG100-EEE: Electrical and Electronic Engineering	-
ENG100-CVE: Civil Engineering	-
ENG100-EME: Electromechanical Engineering	-
ENG100-IE: Industrial Engineering	-
ENG100-SE: Software Engineering	-
ENG100-TE: Telecom Engineering	-

DTech: Engineering Field Elective Course (s)	Pre-requisite
CE101: Computer Engineering 1	ENG100-CE
EEE101: Electrical and Electronic Engineering I	ENG100-EEE
CVE101: Civil Engineering I	ENG100-CVE
EME101: Electromechanical Engineering	ENG100-EME
IE101: Industrial Engineering I	ENG100-IE
SE101: Software Engineering I	ENG100-SE
TE101: Telecom Engineering I	ENG100-TE