

SCHOOL OF ENGINEERING			
Degree: ASSOCIATE Credits: 58		CURRICULUM	
Program: COMPUTER TECHNOLOGY AND NETWORKS			
Description: The program emphasizes in areas of installation, estimation and maintenance of new and existing computerized systems and networks infrastructure. Graduates will also have the necessary educational background to continue studies toward a Bachelor's Degree in Science of Computer Engineering.			
Course Code	Course Title	Credits	Requisites
General Education Courses			
ENGL 152	Communicative English II	3	Placement Exam
ENGL 153	Advanced Communicative English	3	ENGL 152
ENGL 231	Research and Writing	3	ENGL 153
SPAN 152	Fundamentals of reading and writing	3	Placement Exam
SPAN 250	Writing Techniques	3	SPAN 152
MATH 121	Intermediate Algebra	3	Placement exam
MATH 151	Algebra and Trigonometry I	4	MATH 121
HUMA 111	Civilizations and Universal Culture I	3	
		28	
Core Courses			
FSEN 100	Introduction to Engineering Technology	3	
ECTE 122	Introduction to Computer Programming	3	Co-req. MATH 152
MATH 152	Algebra and Trigonometry II	4	MATH 151
		10	
Concentration Courses			
CTEC 220	Fundamentals of Computers, Peripherals & Operating Syst.	3	EETE 223, EETE 223L
CTEC 220L	Lab. of Fund. of Computers, Peripherals & Operating Systems	1	Co-req. CTEC 220
EETE 223	Fundamentals of Computer Electronic	3	Co-req. MATH 121 or approved
EETE 223L	Lab. of Fundamentals of Computer Electronic	1	Co-req. EETE 223
TCOM 335	Principles of Telecommunications and Networking	3	EETE 223, EETE 223L
TCOM 335L	Lab. of Prin. of Telecommunications and Networking	1	Co-req. TCOM 335
TCOM 350	Fundamentals of Networking Infrastructure Management	3	TCOM 335, TCOM 335L
TCOM 350L	Lab. of Fund. of Networking Infrastructure Management	1	Co-req. TCOM 350
CTEC 230	Fundamentals of Intermediate Programming	3	MATH 152- ECTE 122
		19	
Elective Courses			
MATH 221	Calculus I	4	MATH 152
EETE 255	Fundamentals of Microprocessors	4	EETE 223, EETE 223L
		4	

Minimum grade required: All course of the program must be approved with a minimum grade of C.

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Degree: ASSOCIATE Credits: 58		PLAN OF STUDY	
Program: COMPUTER TECHNOLOGY AND NETWORKS			
Course Code	Course Title	Credits	Requisites
FIRST YEAR - FIRST SEMESTER			
FSEN 100	Introduction to Engineering Technology	3	
HUMA 111	Civilizations and Universal Culture I	3	
MATH 121	Intermediate Algebra	3	Placement Exam
ENGL 152	Fundamentals of Reading and Writing	3	Placement Exam
SPAN 152	Fundamentals of Reading and Writing	3	Placement Exam
		15	
FIRST YEAR - SECOND SEMESTER			
EETE 223	Fundamentals of Computer Electronic	3	Co-req. MATH 121 or approved
EETE 223L	Lab. of Fundamentals of Computer Electronic	1	Co-req. EETE 223
MATH 151	Algebra and Trigonometry I	4	MATH 121
ENGL 153	Advanced Communicative English	3	ENGL 152
SPAN 250	Writing Techniques	3	SPAN 152
		13	
SECOND YEAR - FIRST SEMESTER			
CTEC 220	Fundamentals of Computers, Peripherals & Operating Syst.	3	EETE 223, EETE 223L
CTEC 220L	Lab. of Fund. of Computers, Peripherals & Operating Systems	1	Co-req. CTEC 220
TCOM 335	Principles of Telecommunications and Networking	3	EETE 223, EETE 223L
TCOM 335L	Lab. of Prin. of Telecommunications and Networking	1	Co-req. TCOM 335
ECTE 122	Introduction to Computer Programming	3	Co-req. MATH 152
MATH 152	Algebra and Trigonometry II	4	MATH 151
		14	
SECOND YEAR - SECOND SEMESTER			
TCOM 350	Fundamentals of Networking Infrastructure Management	3	TCOM 335, TCOM 335L
TCOM 350L	Lab. of Fund. of Networking Infrastructure Management	1	Co-req. TCOM 350
CTEC 230	Fundamentals of Intermediate Programming	3	MATH 152- ECTE 122
ENGL 231	Research and Writing	3	ENGL 153
	Recommended Elective	4	
		14	