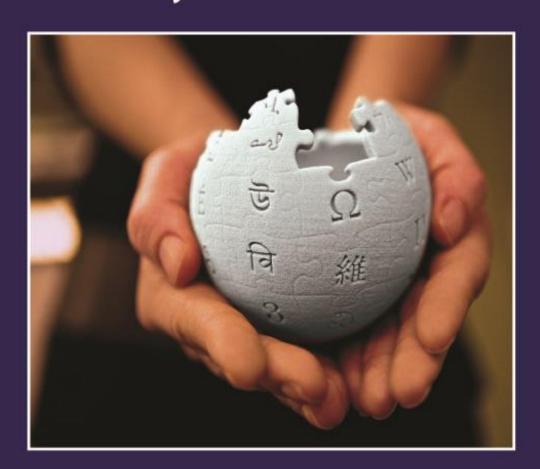# Technology
Today & Tomorrow

BSC(CSIT) TU Affiliate

INTRODUCTION

Texas International College, a unit of Texas International Education Network (2009), is an academic institution run, managed & patronized by energetic educational professionals and experts having strong will to turn it into the first choice of quality-seeking and studious students. Its principal motto is "Education for a complete human being" and the college commits to provide equality education at affordable fees'. Texas has / is going to have University level programs: BSc (CSIT), BBS, MBS, MIT, BBA,MBA & BSW). Our main objective is to make our students to be able to pursue their study uniquely, research brilliantly, interact sufficiently and enhance multicultural knowledge.

TEXAS BSc (CSIT)

BSc (Computer Science & Information Technology) will run through semester system having altogether eight semesters in the time framework of four years. This course is designed to meet the needs of market & fast changing computer technologies and applications. The students enrolled in the four - year BSc (CSIT) program can be envisaged that they will be equipped with necessary knowledge of computer software system and functional knowledge of hardware system.

ELIGIBILITY FOR ADMISSION

• To have completed +2 or equivalent in Science Stream
• To have secured Minimum 50% or above
• To have passed the entrance examination conducted by TU
• To have Completed of all the application procedure

ATTENDANCE

Students are required to attend regularly all theory and the practical classes and should maintain at least 80% of the total class hours.

CURRICULUM

Computer Science (core course)	- 75 credit hours
Natural Science (elective course)	- 6 credit hours
Mathematics course	- 12 credit hours
English Course	- 3 credit hours
Social science and management course	- 6 credit hours
Computer Science (elective course)	- 15 credit hours
Internship/Project	- 9 credit hours
GRAND TOTAL	- 126 credit hours

SCHOLARSHIPS

For the deserving students 5%-50% scholarship will be provided.

CAREER OPTIONS

- Information Systems Management
- Network Administration & Security Management
- New Media/Internet Marketing
- Project Management
- Web Development
- Application Development
- Database Management
- Health Informatics
- Information Security and Forensics
- Mobile Computing

JOB OPPORTUNITY

- Information System Engineer
- System Administrator
- Network Engineer
- Network System Professional
- Software Engineer
- Information Security Officer
- Telecom Engineer
- Database Administrator/Manager
- System Analyst
- Graphic Designer
- Software Developer/Programmer
- MIS Officer

FEE STRUCTURE

Applicability of Scholarships

Initial Admission	50000/-	Applicable
University Service Fee	2000/-	Non-applicable
Semester Fee	40000/-	Non-applicable
Tuition Fee	20000/-	Applicable

NOTE: Rs. 6000/- for library deposit which is refundable.

WHY TEXAS FOR BSc (CSIT) ?

- Internship in corporate houses & job placement
- Well equipped computer lab and resourceful library
- Counseling for career development and abroad studies
- Teaching using modern equipment
- Focus on practical skill: provision of technical presentation
- High speed dedicated internet access
- Professional courses: minimum fees
- Project work and field visit
- Regular assessments & continuous feedback
- Exposure to international level lecutures:guest presentation

Get the Advantages of Professional Courses Training Knowledge Skills Motivations

MySQL	SQL Server
Joomla! *Because open source matters*	php
ASP.net	WORDPRESS

COURSES OF STUDY

[1]Freshman Year / First Semester
1. Introduction of Information Technology
2. Fundamentals of Computer Programming
3. Probability and Statistics
4. Calculus and Analytical Geometry
Natural Science Elective 1: (any one)
5. Physics I
6. Biology I
7. Geology I
8. Statistics I

[2]Freshman Year / Second Semester
1. Digital Logic
2. Discrete Structure
3. Microprocessor
4. Data Structures and Algorithms
5. Linear Algebra
Natural Science Elective 2: (any one)
5. Physics I
6. Biology I
7. Geology I
8. Statistics II

[3]Sophomore Year/ Third Semester
1. Computer Architecture
2. Object Oriented Programming Language
3. Operating Systems
4. Numerical Methods
5. Introduction to Management

[4]Sophomore Year/ Forth Semester
1. Theory of Computation
2. System Analysis and Design
3. Database Management System 1
4. Computer Graphics
5. Introduction of Cognitive Science
6. Technical Writing

[5]Junior Year/ Fifth Semester
1. Computer Networks
2. Simulation and Modeling
3. Design and Analysis of Algorithms
4. Artificial Intelligence
Computer Science Elective 1: (any one)
1. Microprocessor Based Design
2. Applied Logic
3. E-governance
4. Wireless Networking
5. International Business Management
6. International Marketing
7. Neutral Networks
8. Computer Hardware Design
9. Cryptography

[6]Junior Year/ Sixth Semester
1. Software Engineering
2. Compiler Design and Construction
3. Web Technologies
4. Real Time System
Computer Science Elective 2: (any one)
1. Knowledge Management
2. Fundamentals of E-commerce
3. Society and Ethics in Information Technology
4. Automation and Robotics
5. Digital System Design
6. Net Centric Computing
7. Web Centric Computing
8. Embedded System Programming
9. Image Processing

[7]Senior Year/ Seventh Semester
A) Specialization Area: Networking
1. Introduction to System Administration
2. Network Security
3. Linux Networking
4. Managing a Microsoft Server Environment
5. Implementing, Managing and Maintaining Server
Network and Infrastructure network Services.
B) Specialization Area: Database
1. Web Database and Information System
2. Advance Database and Information System
3. Distributed and Object Oriented Database
Database Elective 1: (any one)
1. Introduction of Oracle and XML
2. Application Server Web Administration
Database Elective 2: (any one)
1. Information Retrieval and Search Engine
2. Multimedia Database

8]Senior Year/ Eighth Semester
A) Specialization Area: Networking
1. Implementing and Supporting Windows OS/ Linux
2. Distributed Networking
3. Project on real Warehousing and Data Mining
4. Internship/Project