

## Faculty

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## Contact Information for Information Systems

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### **Department of Mathematics and Computer Science**

The University of Texas of the Permian Basin  
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#### **Admissions**

Phone toll free: (866) 552-UTPB  
Phone: (432) 552-2605  
E-mail: admissions@utpb.edu  
Website: www.utpb.edu

#### **Financial Aid**

Voice: (432) 552-2620  
Title IV Institution Code: 009930  
E-mail: finaid@utpb.edu  
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## Information Systems



**The University of Texas  
of the Permian Basin**

# Information Systems

## General Information

The overall goal of the Information Systems program is to provide its graduates with basic information systems and computing skills. The program is distinguished from computer science in that it provides a very strong background in business skills, including an emphasis on how information systems fit into a modern business organization.

All students are expected to complete COSC 1335, 1430, and 2430 or their equivalents before beginning the upper level major courses. These courses introduce general computer concepts and applications and develop programming skills. Programming skills are broadened through the completion of a course in a second high-level programming language.

## Major

Complete a total of at least 120 credit hours

Complete the general education requirements

## Minor

All information systems majors will complete a minor in general business

In addition to the business core, the following courses are needed for the minor:

MNGT 3310-Management Concepts

MRKT 3300-Principles of Marketing

FINA 3320-Principles of Finance

ACCT 3310-Accounting for Business Decision-Maker

## Program Core Curriculum

### Business Core

ACCT 2301 – Principles of Financial Accounting

ACCT 2302 – Principles of Managerial Accounting

ECON 2301 – Principles of Macroeconomics

ECON 2302 – Principles of Microeconomics

MNGT 2301 – Introduction to Statistics

MNGT 3302 – Inferential Statistics

MNGT 3340 – Production Operations Management

### Major Core

COSC 1335 – Computers and Problem Solving

COSC 1430 – Introduction to Computer Science

COSC 2430 – Introduction to Computer Science II

COSC 2420 – C Programming

COSC 3310 – Digital Computer Organization

COSC 3315 – Information Systems Design

COSC 4415 – Database Systems

ACCT 4311 – Accounting Information Systems

Two elective COSC Courses

### Capstone Courses

NTSC 4311

## Additional Information

Students pursuing an Information Systems degree have access to state-of-the-art laboratory facilities. The Computer Science Research Lab has two networks for student application development including multiple Windows and Sun Solaris servers and corresponding workstations. An oracle database system is available

## Careers

- Database Administrator
- Web Designer
- IT Manager
- Information System Designer
- Information System Analyst
- Instructor
- System and Application Tester
- System and Application Maintenance
- Manager of Business System
- Manager of Information Systems
- Researcher

