

## Graduate Degrees

The department offers degree programs leading to the Master of Business Administration with a major in finance, the Master of Science with majors in finance and real estate, and the Doctor of Philosophy with a major in finance. For information, consult the *Graduate Catalog*.

## Scholarships

The Department of Finance, Insurance, Real Estate and Law offers a variety of competitive scholarships for full-time students majoring in finance, insurance and real estate who have completed at least 24 credit hours at UNT, have a high overall GPA and can demonstrate financial need. Generally scholarships range in value from \$100 to \$500 with a few exceptions. Application forms are available at the department (Business Administration Building, Room 177) or on the web at [www.coba.unt.edu/students/scholarships](http://www.coba.unt.edu/students/scholarships).

## Scholarships with Specific Requirements

**Dallas Chapter, Chartered Property and Casualty Underwriters (CPCU) Scholarship:** Open to an undergraduate insurance student classified as a junior or senior who has a minimum 3.0 GPA and demonstrates financial need. Award amounts vary.

**Government Employees Insurance Company (GEICO) Scholarship:** Open to both undergraduate and graduate insurance students who have outstanding academic records and demonstrate financial need. Both work experience and activities are considered. Award is typically \$1,000 per academic year.

**James E. George Financial Planning Scholarship:** Open to undergraduate financial planning students who have a minimum 3.25 GPA, are within 30 hours of graduating, and complete a 500 word essay describing merit for the award. The award is typically \$500 to \$1,000 per academic year.

**Dallas–Fort Worth Chapter of Risk and Insurance Management Society (RIMS) Scholarship:** Open to undergraduate insurance students who have outstanding academic records and demonstrate financial need. Both work experience and activities are considered. Awards totaling \$5,000 to \$12,000 are granted to multiple students in a typical year.

**Fort Worth Chapter, Chartered Property and Casualty Underwriters (CPCU) Scholarship:** Open to undergraduate insurance students who have outstanding academic records and who demonstrate a strong interest in insurance-related careers. Student activities and work experience are considered. Total awards of \$10,000 to \$20,000 are shared by multiple students in a typical year.

**Dr. George A. Christy Scholarship:** Open to full-time students majoring in finance who have a 3.25 cumulative GPA and a verifiable need for financial assistance. Minimum award is \$500 per term/semester.

**Texas Apartment Association Education Foundation/Larry Niemann Academic Scholarship:** Open to undergraduate or graduate real estate majors who are full-time students or part-time students working in the rental housing industry. The student must be at least a first-semester junior or graduate student with 12 credit hours at UNT with a 2.7 GPA either enrolled in or having committed to enroll in a residential property management course. Up to five \$1,000 scholarships are available for both the fall and spring semesters.

## Courses of Instruction

All Courses of Instruction are located in one section at the back of this catalog.

## Course and Subject Guide

The “Course and Subject Guide,” found in the Courses of Instruction section of this book, serves as a table of contents and provides quick access to subject areas and prefixes.

---

# Department of Information Technology and Decision Sciences

Main Office  
Business Administration Building, Room 336  
P.O. Box 305249  
Denton, TX 76203-5249  
(940) 565-3110  
Fax: (940) 565-4935  
E-mail: [itdsrecp@unt.edu](mailto:itdsrecp@unt.edu)  
Web site: [www.coba.unt.edu/itds](http://www.coba.unt.edu/itds)

**Mary C. Jones, Interim Chair**

## Faculty

*Professors* Guynes, CDP; Kappelman; Pavur; Pohl; Prybutok, CQE, CQA, CQMgr; Richards, CQE; Spence; Vedder; Windsor, CSP. *Associate Professors* Becker; Jayakumar; Jones; Koh; Kvanli; Kulkarni; Peak; Ryan; Spalding. *Assistant Professors* Evangelopoulous; Jensen. *Lecturers* Capan; Dake.

## Introduction

The Department of Information Technology and Decision Sciences educates business computer information systems designers and systems analysts for careers in industry and government. Two strong undergraduate programs are available for students who intend to pursue careers in the growing business computing field.

## Programs of Study

The department offers undergraduate and graduate programs in the following areas:

- Bachelor of Business Administration with a major in decision sciences;
- Bachelor of Science with a major in business computer information systems;
- Master of Science with majors in decision technologies and information technologies; and
- Doctor of Philosophy with majors in business computer information systems and management science.

## Bachelor of Business Administration

General requirements for the BBA are listed in the “General University Requirements” and the “University Core Curriculum Requirements” in the Academics section of this catalog and under “Bachelor of Business Administration” in the College of Business Administration section.

### Professional Field in Decision Sciences

The professional field in decision sciences requires 18 hours of the following courses.

- BCIS 4660, Decision Systems Design
- MGMT 3830, Operations Management
- DSCI 3870, Management Science
- DSCI 4510, Model-Based Decision Support Systems
- DSCI 4520, Data-Based Decision Support Systems
- DSCI 4700, Problem Solving and Decision Making Process

### Approved Supporting Courses, 12 Hours

MGMT 4660 (or MKTG 4280 or FINA 4500, if approved in advance by the departmental undergraduate coordinator). The remaining hours are selected from 3000- or 4000-level business courses. The following are suggested elective sequences:

- BCIS 3630, 3680, 4620, 4650
- MGMT 4810, 4820, 4880
- MKTG 3700, 3710, 4620

BCIS 4800 cannot be used as a supporting course. Any exceptions to this policy must be approved in writing in advance by the departmental undergraduate coordinator.

## Additional Requirements

A candidate for the degree must complete 33 hours of business administration courses in residence, of which 15 hours must be in the professional field of study. Students are encouraged to use free electives to meet professional goals.

Students interested in the theoretical and mathematical science of computing should see the Department of Computer Science and Engineering.

## Academic Standards

1. It is recommended that students selecting decision sciences as a professional field for the BBA degree meet at least one of the following standards:
  - a. be in the top 25 percent of their high school graduating class; or
  - b. attain a minimum score of 920 recentered on the SAT or 20 on the ACT.
2. It is required that students entering the decision sciences professional field for the BBA degree have a GPA of at least 2.7 in all courses completed at UNT. First term/semester transfer students must have a transfer GPA of at least 2.7 in order to take professional field courses.
3. A grade of C or above must be earned in each professional field or supporting field course completed in residence or transferred to UNT.
4. Academic requirements for graduation with a professional field in decision sciences include:
  - a. a minimum 2.7 GPA in all hours attempted in the professional field and supporting courses, with minimum grades of C required in each professional and supporting field course;
  - b. a minimum 2.7 GPA in all courses completed at UNT;
  - c. a minimum 2.7 GPA in all work attempted, including transfer, correspondence, extension and residence work; and
  - d. a grade of C or above in each BCIS/DSCI course taken in the professional field, supporting decision sciences courses or career track.

## Bachelor of Science

### Major in Business Computer Information Systems

The faculty of the Department of Information Technology and Decision Sciences believes that there is a need in industry and government for systems analysts who have a thorough understanding of both a functional area of business and computer-based information systems.

### Degree Requirements

The following requirements must be satisfied for a Bachelor of Science with a major in business computer information systems.

1. **Hours Required and General/College Requirements:** A minimum of 127 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Science degree as specified in the “General University Requirements” in the Academics section of this catalog and the college of Business Administration requirements.

2. **Business Foundation Requirements:** See “Business Foundation Requirements” in this section of the catalog.

3. **Professional Program Requirements:** See “Professional Program,” below.

4. **Minor:** See individual degree plan.

5. **Electives:** See individual degree plan.

6. **Other Requirements:**

a. It is required that students entering the business computer information systems major for the BS degree have a grade point average of at least 2.7 in all courses completed at UNT. First term/semester transfer students must have a transfer grade point average of 2.7 in order to take professional program courses.

b. A grade of C or above must be earned in each professional program course completed in residence or transferred to UNT.

c. Academic requirements for graduation with a major in business computer information systems for the BS degree:

- A minimum 2.7 grade point average in all hours attempted in the professional program course, with minimum grades of C required in each professional program course;
- A minimum 2.7 grade point average in all courses completed at UNT;
- A minimum 2.7 grade point average in all work attempted, including transfer, correspondence, extension and residence work; and
- A grade of C or above in each BCIS course taken in the professional program.

### Preprofessional Program

- **University Core Curriculum Requirements:** see “University Core Curriculum Requirements” in the Academics section of this catalog.
- **Economics,** 6 hours: ECON 1100 and 1110
- **Mathematics,** 3–4 hours: MATH 1190 or 1400 or 1710 with a grade of C or higher
- **Communication,** 3 hours: COMM 1010
- **Business Computer Information Systems,** 3 hours: BCIS 2610 with a grade of C or higher
- **Accounting,** 6 hours: ACCT 2010 and 2020 with a grade of C or higher
- **Data Description and Analysis,** 3 hours: DSCI 2710
- **Electives:** hours required for electives may vary based on course placement or University Core

Requirement course selection. Some professional field programs may designate specific courses in place of elective hours. Students are responsible for completing the total minimum hours required for the degree.

### Upper-Level Business Foundation

- Basic Information Systems, 3 hours: BCIS 3610
- Communication, 3 hours: BCIS 3615
- Statistics, 3 hours: DSCI 3710 or 3870
- Business Law, 3 hours: BLAW 3430
- Management, 3 hours: MGMT 3720
- Marketing, 3 hours: MKTG 3650
- Finance, 3 hours: FINA 3770
- Business Policy, 3 hours: BUSI 4940

### Professional Program

- International course, 3 hours: FINA 4500 or MKTG 4280 or BUSI 4660 or MGMT 4660
- Business Computer Information Systems, 33 hours: BCIS 3630, 3680, 4610, 4620, 4630, 4680, 4690, 4720 and three BCIS elective courses

### Graduate Degrees

The department offers degree programs leading to the Master of Science with majors in information technologies and decision technologies, and the Doctor of Philosophy with majors in business computer information systems and operations management science. For information, consult the *Graduate Catalog*.

### Courses of Instruction

All Courses of Instruction are located in one section at the back of this catalog.

### Course and Subject Guide

The “Course and Subject Guide,” found in the Courses of Instruction section of this book, serves as a table of contents and provides quick access to subject areas and prefixes.