

# Department of Information Technology and Decision Sciences

Main Departmental Office  
Business Building, Room 336

Mailing address:  
1155 Union Circle #305249  
Denton, TX 76203-5017  
940-565-3110

Web site: [itds.unt.edu](http://itds.unt.edu)

## Mary C. Jones, Chair

*Graduate Faculty:* Becker; Evangelopoulos; Guynes, CDP; Jayakumar; Jones; Kappelman; Koh; Kulkarni; Kvanli, CQE; Pavur; Peak; Prybutok, CQE, CGA; Ryan; Sidorova; Spence; Vedder; Windsor, CSP; Wu.

## Research

Faculty in the Department of Information Technology and Decision Sciences (ITDS) are pursuing research in areas dealing with computer information systems, decision technologies, information technologies, management science and statistics. Research in the computer information systems and information technologies areas spans the broad spectrum from technical issues to managerial and behavioral issues. Topics currently being investigated by faculty in the department include database systems, distributive systems, networks, fourth-generation languages, decision-support systems, evaluation of psychometric factors in systems design, artificial intelligence, research dealing with information centers, software engineering and end-user computing.

Faculty in decision technologies and management science are engaged in research in the areas of statistics, quality control operations research and operations management. Research topics include analysis of forecasting models, mathematical programming, sampling and the effects of correlation on observations in experimental designs. In addition, a major research emphasis has been placed on statistical quality control and reliability. Research topics also include quantitative models in operations supply chain management.

Research efforts by Business Computer Information Systems (BCIS) and Decision Science (DSCI) faculty are supported by the Center for Decision and Information Technologies.

## Degree Programs

The Department of Information Technology and Decision Sciences offers graduate programs leading to the following degrees:

- Master of Science with majors in information technologies and decision technologies; and
- Doctor of Philosophy with majors in business computer information systems and management science.

The department also supports an interdisciplinary doctorate with a major in information science. See the College of Information section of this catalog for more information.

The college offers a Master of Business Administration with a major in business administration and concentrations in information technology, decision technologies and decision science.

## Master of Science Programs

### Major in Information Technologies

For admission into the Master of Science program with a major in information technologies, a student must first meet the admission requirements of the College of Business.

Program requirements are found in the College of Business section of this catalog.

### Major in Decision Technologies

For admission into the Master of Science with a major in decision technologies, students must satisfy the requirements of the College of Business.

Program requirements are found in the College of Business section of this catalog.

## Doctor of Philosophy

### Background Requirements

In addition to the College of Business background requirements, the Department of Information Technology and Decision Sciences requires that students have a general background in business computer information systems. This background may be acquired through undergraduate programs, professional experience or completion of the following courses offered by the department.

- BCIS 3630, Object-Oriented Programming for Business
- BCIS 3680, Enterprise-Oriented Programming
- BCIS 4610, Analysis of Business Information Systems
- BCIS 4620, Introduction to Database Applications
- BCIS 4630, Fundamentals of Information Technology Security
- BCIS 4720, Web-Based Information Technologies

**Program Admission Requirements**

For admission into the Doctor of Philosophy program with a major in business computer information systems, a student must first meet the admission requirements of the College of Business.

**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.

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## Department of Management

Main Departmental Office  
Business Building, Room 315

Mailing address:  
1155 Union Circle #305429  
Denton, TX 76203-5017  
940-565-3140

Web site: [www.cob.unt.edu/mgmt](http://www.cob.unt.edu/mgmt)

**Vicki Goodwin, Interim Chair**

*Graduate Faculty:* BarNir, Cooper, Davis, D'Souza, Goodwin, Insley, Johnson, Kuo, Ledgerwood, Lillie, Miles, Ojha, Ponthieu, Powell, Salimath, Taylor, Watson, White.

The Department of Management provides the education required to obtain both the MBA and PhD degrees. The focus of the MBA degrees is toward the application of theory and research in realistic organizational settings; the focus of the PhD degrees is toward the development of skills necessary for academic research and college teaching.

Individuals wishing to obtain an MBA that will broaden their experience beyond their specializations can pursue an MBA in Business Administration with a concentration in strategic management. Those who desire specific areas of specialization may meet their goals through an MBA with a major in business administration and concentrations in health services management, organizational behavior and human resource management, operations and supply chain management, or strategic management. The specialized degree programs are based on guidelines offered by the Human Resources Certification Institute, the Society of Human Resources Management, the American Production and Inventory Control Society, the National Association of Purchasing Management, Association of University Programs in Health Administration and the American Society for Quality Control.

Individuals seeking a PhD will take course work that provides an extensive and rigorous program of study in the management discipline, in research methods and in college teaching. Major areas of study include strategic management, human resources management, organizational behavior, organizational theory and operations management science.