Naveen Jindal School of Management

Information Technology and Systems (BS)

Bachelor of Science in Information Technology and Systems

Degree Requirements (120 semester credit hours)\(^1\)

Faculty


**Professor Emeritus:** Dale Osborne


**Clinical Associate Professors:** Shawn Alborz, Larry Chasteen, Sonia Leach, Kannan Ramanathan, Carolyn Reichert, Avanti P. Sethi, Kelly Slaughter, James Szot, Mark Thouin, John McClain Watson

**Assistant Professors:** Mehmet Ayvaci, Emily Choi, Rebecca Files, Bernhard Ganglmair, Dorothée Honhon, Kyle Hyndman, Atanu Lahiri, Sheen Levine, Bin Li, Jun Li, Meng Li, Ningzhong Li, Xiaolin Li, Naim Bugra Ozel, Arzu Ozoguz, Anyan Qi, Alejandro Rivera Mesias, Alessio Saretto, Serdar
I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

   COMM 1311 Survey of Oral and Technology-based Communication
   RHET 1302 Rhetoric

Mathematics: 3 semester credit hours

   MATH 1325 Applied Calculus I

Life and Physical Sciences: 6 semester credit hours

   Select any 6 semester credit hours from Life and Physical Sciences core courses (see advisor and degree requirements)

Language, Philosophy and Culture: 3 semester credit hours

   Select any 3 semester credit hours from Language, Philosophy and Culture core courses (see advisor)

Creative Arts: 3 semester credit hours

   Select any 3 semester credit hours from Creative Arts core courses (see advisor)

American History: 6 semester credit hours

   Select any 6 semester credit hours from American History core courses (see advisor)

Government / Political Science: 6 semester credit hours
**GOVT 2305** American National Government

**GOVT 2306** State and Local Government

**Social and Behavioral Sciences: 3 semester credit hours**

**ECON 2301** Principles of Macroeconomics

**Component Area Option: 6 semester credit hours**

**MATH 1326** Applied Calculus II

**ECON 2302** Principles of Microeconomics

II. Major Requirements: 75 semester credit hours

**Major Preparatory Courses: 15 semester credit hours beyond Core Curriculum**

**ACCT 2301** Introductory Financial Accounting

**ACCT 2302** Introductory Management Accounting

**BLAW 2301** Business and Public Law

**ECON 2301** Principles of Macroeconomics

**ECON 2302** Principles of Microeconomics

**MATH 1325** Applied Calculus I

**MATH 1326** Applied Calculus II

**OPRE 3333** Quantitative Business Analysis

-or **MATH 2333** Matrices, Vectors, and Their Application

**STAT 3360** Probability and Statistics for Management and Economics

-or **OPRE 3360** Managerial Methods in Decision Making Under Uncertainty

**Major Core Courses: 25 semester credit hours**

**ITSS 3100** Professional Development

**BCOM 3310** Business Communication

**BCOM 4350** Advanced Business Communication

**FIN 3320** Business Finance

**ITSS 3300** Information Technology for Business

**OPRE 3330** Operations Management

**OBHR 3310** Organizational Behavior
MKT 3300  Principles of Marketing
IMS 3310  International Business

Major Related Courses: 23 semester credit hours

ITSS 3211  Introduction to Programming
ITSS 3312  Object-Oriented Programming
ITSS 4300  Database Fundamentals
ITSS 4330  Systems Analysis and Design
ITSS 4360  Network and Information Security
ITSS 4351  Foundations of Business Intelligence
ITSS 4370  Information Technology Infrastructure Management
ITSS 4390  Information Systems Capstone

Guided Electives: 12 semester credit hours

Choose 12 semester credit hours from the following:

ITSS 4353  Business Analytics
ITSS 4352  Introduction to Web Analytics
ITSS 4354  Managing Big Data
ITSS 4355  Data Visualization
ITSS 4340  Enterprise Resource Planning
ITSS 4353  Business Analytics
ITSS 4343  Integrated SCM Information Systems
ITSS 4342  Analysis and Design of Accounting Systems
ITSS 4V90  ITSS Internship

OR choose Track A or B:

A. Business Intelligence and Analytics Track

ITSS 4353  Business Analytics
ITSS 4352  Introduction to Web Analytics
ITSS 4354  Managing Big Data
ITSS 4355  Data Visualization
B. Enterprise Systems Track

**ITSS 4340** Enterprise Resource Planning  
**ITSS 4353** Business Analytics  
**ITSS 4343** Integrated SCM Information Systems  
**ACCT 4342** Analysis and Design of Accounting Systems

III. Elective Requirements: 3 semester credit hours

**Free Electives: 3 semester credit hours**

Both lower- and upper-division courses may count as electives but students must complete at least 51 semester credit hours of upper-division courses to qualify for graduation.

JSOM freshmen are required to take **BA 1100** Business Basics.

Each student is expected to complete a minimum of 160 hours of business-related work to fulfill the JSOM professional practicum requirement.

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

3. Indicates a prerequisite class to be completed before enrolling for upper-division classes.

4. A required Major course that also fulfills a Core Curriculum requirement. Semester credit hours are counted in Core Curriculum.

5. Students may elect to substitute MATH 2413 and MATH 2414 or MATH 2417 and MATH 2419.

6. Students may substitute MATH 2418 or CS 2305.