Naveen Jindal School of Management

Information Technology and Systems (BS)

Bachelor of Science in Information Technology and Systems

Degree Requirements (120 semester credit hours)

View an Example of Degree Requirements by Semester

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, Xiaolin Li, Naim Bugra Ozel, Arzu Ozoguz, Anyan Qi, Alejandro Rivera Mesias, Alessio Saretto, Serdar Simsek, Gonca P. Soysal, Shaojie Tang, Christian Von-Drathen, Malcolm Wardlaw, Steven Xiao, Shengqi Ye, Nir Yehuda, Zhe (James) Zhang, Xiaofei Zhao

Clinical Assistant Professors: Athena Alimirzaei, Moran Blueshtein, Judd Bradbury, John Gamino, Ayfer Gurun, Maria Hasenhuttl, Julie Haworth, Jeffery (Jeff) Hicks, Kristen Lawson, Vance Lewis, Liping Ma, Ravi Narayan, Dawn Owens, Anastasia V. Shcherbakova, Jeanne Sluder, Nassim Sohaee

Visiting Assistant Professor: Lale Guler


I. Core Curriculum Requirements: 42 semester credit hours²

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: 77 semester credit hours

Major Preparatory Courses: 15 semester credit hours beyond Core Curriculum

- **ACCT 2301** Introductory Financial Accounting\(^3\)
- **ACCT 2302** Introductory Management Accounting\(^3\)
- **BLAW 2301** Business and Public Law\(^3\)
- **ECON 2301** Principles of Macroeconomics\(^3, 4\)
- **ECON 2302** Principles of Microeconomics\(^3, 4\)
- **MATH 1325** Applied Calculus I\(^3, 4, 5\)
- **MATH 1326** Applied Calculus II\(^3, 4, 5\)
- **OPRE 3333** Quantitative Business Analysis\(^3\)
  - or **MATH 2333** Matrices, Vectors, and Their Application\(^3, 6\)
- **STAT 3360** Probability and Statistics for Management and Economics
  - or **OPRE 3360** Managerial Methods in Decision Making Under Uncertainty

Major Core Courses: 26 semester credit hours

- **BA 1100** Business Basics and **ITSS 3100** Professional Development\(^7\)
  - or **ITSS 3200** Introduction to Business Professional Development and Business Communication\(^7\)
- **BCOM 3310** Business Communication
- **BCOM 4350** Advanced Business Communication
FIN 3320  Business Finance  
ITSS 3300  Information Technology for Business  
OPRE 3310  Operations Management  
OBHR 3310  Organizational Behavior  
MKT 3300  Principles of Marketing  
IMS 3310  International Business  

Major Related Courses: 24 semester credit hours  
ITSS 3311  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  
A practicum experience is required; the student has the option of zero to 3 semester credit hours,  
depending on the particular internship, and preference for additional electives.  

ITSS 4V90  ITSS Internship  
ITSS 4090  Information Technology and Systems Internship  

Choose from the following to fulfill remaining Guided Elective semester credit hours:  
Any ITSS upper level course that is not part of the ITS Core Curriculum may be used as elective  
credit. This includes ITSS 4V95 Seminar Series in Information Systems.  

OR choose Track A or B:  

A. Business Intelligence and Analytics Track  
ITSS 4353  Business Analytics  
ITSS 4352  Introduction to Web Analytics  
ITSS 4354  Advanced Big Data Analytics  
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: 1 semester credit hours

Free Electives: 1 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.

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.

7. JSOM freshmen are required to take BA 1100 and ITSS 3100. Transfer students and students new to JSOM are required to take ITSS 3200.