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 Simsek, Gonca P. Soysal, Shaojie Tang, Christian Von-Drathen, Malcolm Wardlaw, Han (Victor) Xia, Steven Xiao, Shengqi Ye, Nir Yehuda, Jieying Zhang, 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

**Senior Lecturers:** Arthur M. Agulnek, Semiramis Amirpour, Frank Anderson, Anindita Bardhan, Tiffany A. Bortz, Richard Bowen, Monica E. Brussolo, George DeCourcy, Eugene (Gene) Deluke, Alexander Edsel, Amal El-Ashmawi, Carol Flannery, Mary Beth Goodrich, Thomas (Tom) Henderson, Jennifer G. Johnson, Jackie Kimzey, Chris Linsteadt, Michele Lockhart, Joseph Mauriello, Victoria D. McCrady, Edward Meda, Prithi Narasimhan, Madison Pedigo, Matt Polze, James Richards, Debra Richardson, Margaret Smallwood, Steven Solcher, Luell (Lou) Thompson, Amy L. Troutman, Jeremy Vickers, Robert Wright, Kathy Zolton, Hubert Zydorek

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\(^3\)

**ACCT 2302** Introductory Management Accounting\(^3\)

**BLAW 2301** Business and Public Law\(^3\)

**ECON 2301** Principles of Macroeconomics\(^3, 6\)

**ECON 2302** Principles of Microeconomics\(^3, 6\)

**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: 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 3310** 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
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.

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