Naveen Jindal School of Management

Information Technology and Systems (BS)

Bachelor of Science in Information Technology and Systems

Degree Requirements (120 semester credit hours)

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, Anany Qi, Alejandro Rivera Mesias, Alessio Saretto, Serdar
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: 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\(^3, 4\)
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: 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
- **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.

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