Naveen Jindal School of Management

Master of Science in Financial Technology and Analytics

UTD

Program Description

The Master of Science in Financial Technology and Analytics degree program teaches students the advanced computing and quantitative skills required to analyze financial information and use technologies that are changing the financial services landscape. Designed by top-tier faculty in the Naveen Jindal School of Management, this nontraditional STEM-designated program is open to students with or without a previous educational background in finance but who are interested in quantitative approaches to managerial issues.

Graduates of the program know how to:
- Build a block-chain with smart contracts or creating a crypto-currency.
- Develop Robotic Process Agents to obtain data and execute subsequent actions.
- Using Python to build web sites, analyze financial data (both textual and non-textual), and employ machine learning to financial problems
- Using R to analyze financial data with statistics and machine-learning algorithms.
- Price standard financial assets and hedge financial risks

In addition to the academic coursework, the program equips students to pursue various certifications (Data Analytics Certifications (e.g., Google, IBM, etc.), Cloud computing certifications (Microsoft, Amazon, etc.), Robotic Process Agent certifications (e.g., Automation Anywhere, UiPath, etc.), Blockchain certifications (e.g., Corda, etc.), Credit Risk Certification (e.g., RMA, etc.), Financial Risk Manager Certifications (e.g., GARP, etc.). Students will have access to key data platforms such as Refinitiv, S&P Market Intelligence, and Wharton Research Data Services, as well as the school's financial trading lab with Bloomberg Terminal and resources from the Career Management Center.

Benefits

The Financial Technology and Analytics master's program ensures that students gain skills that in demand and that they can employ in practice to solve a variety of financial problems.

Other benefits include:
- *World-Class Faculty*: The program is led by faculty of the Naveen Jindal School of Management who are widely cited experts in their respective fields and industry experts from Goldman Sachs, J.P. Morgan and other financial service or fintech companies.
- *Comprehensive Curriculum*: Courses in the Financial Technology and Analytics program will introduce students to new ideas, technologies and competencies while also teaching them the knowledge they'll need to thrive in competitive, ever-changing industries.
- *Program Flexibility*: The program offers convenient options for both full-time students and working professionals.
- *Facilities*: The School of Management building and Jindal School Addition provide students with more than 300,000 square feet of classroom, computer labs and study areas including specialized labs for financial trading, business communications, accounting and sales.

Contact Information

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jindal.utdallas.edu

800 W Campbell Rd, Richardson, TX 75080
utdallas.edu/admissions/graduate

- *Location*: Situated in the greater Dallas region—recently rated by *Forbes* magazine as the #1 "Best City for Jobs"—UT Dallas provides students with easy access to employers and internship opportunities, not to mention a large and supportive alumni population.

Career Opportunities

Graduates of the Financial Technology and Analytics master's program have gone on to pursue professional careers in a wide variety of fields. Recent graduates have found jobs such as:

- Business Intelligence Specialist
- Commercial Credit Analyst
- Capita Market Analyst
- Credit Risk Analyst
- Data Engineer
- Data Scientist
- Financial Analyst
- Financial Engineer
- Financial Modeling Analyst
- Financial Data Analyst
- Fraud Analyst
- Model Risk Manager
- Research Analyst
- Risk Analyst
- Risk Manager
- RPA Automation Developer

Marketable Skills

Upon successful completion of the MS in Financial Technology and Analytics degree program, UT Dallas students will be able to employ the following skills in practice:

- Modify and apply robotic process agents to financial data collection and processing.
- Build blockchains with smart contracts and cryptocurrency/tokens.
- Apply machine learning techniques to data to solve financial problems.

Application Deadlines and Requirements

Please take note of all application deadlines and visit the Apply Now webpage to begin the application process. See the Financial Technology and Analytics program's website for additional information.

Applicants to the Financial Technology and Analytics master's program should have:

- A bachelor's degree from an institution in the United States or its equivalent (all majors are considered).
- A grade point average (GPA) of at least 3.0 in both core and aggregate courses.
- Test Scores: Competitive GMAT performance (typically 600+) based on a score that is less than five years old. GRE scores are also accepted, typically a cumulative score of 310+ for qualitative and quantitative components.
- Letters of Recommendation: Applicants must submit two letters of recommendation from individuals able to judge the candidate's potential for success in the master's degree program. The letters can be academic or professional.
- Admissions Essay: Applicants must submit an essay outlining their academic interests and professional goals.
- A resume.
- International applicants must submit a TOEFL score of at least 80 on the internet-based test. Scores must be less than two years old. See the Graduate Catalog for additional information regarding English proficiency requirements for international applicants.

Students with any bachelor's degree are welcome to apply. However, applicants are required to have completed coursework in calculus, linear algebra, probability/statistics and programming with a grade of B or better prior to starting this program. Applicants who have not satisfied these requirements may be admitted but will need to demonstrate that they have satisfy these prerequisites in other ways (e.g., online courses with test results).

Naveen Jindal School of Management
About the School

UTD

The University of Texas at Dallas Naveen Jindal School of Management (JSOM) is the largest of UT Dallas' eight schools, with an enrollment of about 9,000 with almost half who are graduate students. The school provides outstanding tuition value, a wide variety of classes on campus and online, flexible scheduling and a convenient location. The Jindal School of Management keeps abreast of business needs as an essential component in providing students with rigorous training and relevant skills for professional success. Programs are offered at the undergraduate, MBA, master's, PhD and executive levels. Programs are organized around six broad topics of business specialization:

- Accounting
- Finance and Managerial Economics
- Information Systems
- Marketing
- Operations Management
- Organizations, Strategy and International Management

A broad array of internship and scholarship opportunities is made available to Jindal School students each academic year. The school operates its own Career Management Center, which students may use in addition to the campus-wide UT Dallas Career Center. More than 70 student organizations are based in the school. Most of these focus on career development in specific fields and build networking, internship and employment opportunities. *U.S. News & World Report* (2021) ranks the school's Full-Time MBA program at No. 33 (tied) in the nation and tied for No. 12 (tied) among public university programs in the United States. In the same ranking, the publication places the Professional (Part-Time) MBA at No. 19 (tied) in the nation.
jindal.utdallas.edu

Faculty

The Jindal School offers a variety of degree options at the undergraduate, graduate, master's and PhD levels. The school's relevant, rigorous curriculums were developed by exemplary teachers and leading researchers. The outstanding faculty members bring a wealth of intellectual capital, and they often come because UT Dallas enthusiastically encourages and supports scholarly inquiry and innovative teaching. New discoveries, along with faculty members' expertise, inform the academic programs at every level.

JSOM Graduate Programs		
Accounting	MS	
Business Administration	MBA**	
Business Analytics	MS	
Energy Management	MS	
Finance	MS	
Financial Technology and Analytics	MS	
Healthcare Leadership and Management	MS	
Information Technology and Management	MS	
Innovation and Entrepreneurship	MS	
International Management Studies	MS	PhD
Leadership and Organizational Development	MS	
Management Science*	MS	PhD
Marketing	MS	
Supply Chain Management	MS	
Systems Engineering and Management***	MS	

* UT Dallas also offers an Executive Management Science degree with concentration options in Project Management and Organizational Behavior and Coaching.

** UT Dallas also offers Executive MBAs with concentrations in Healthcare Management for Physicians (MS or MBA), Product Lifecycle and Supply Chain Management and Project Management.

*** Systems Engineering and Management is a joint program with the Erik Jonsson School of Engineering and Computer Science.

Contact Information

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Naveen Jindal School of Management
Centers and Institutes

The school's centers and institutes blend academic research with the real world. The business community as well as UT Dallas faculty and students benefit from this exchange of ideas, experiences and research. Jindal School Centers and Institutes of Excellence include:

- Center and Laboratory for Behavioral Operations and Economics
- Center for the Analysis of Property Rights and Innovation
- Center for Finance Strategy Innovation
- Center for Global Business
- Center for Healthcare Leadership and Management
- Center for Information Technology and Management
- Center for Intelligent Supply Networks
- Center for Internal Auditing Excellence
- Center for Professional Sales
- International Accounting Development: Oil and Gas
- International Center for Decision and Risk Analysis
- The Leadership Center
- Morris Hite Center
- Herbert D. Weitzman Institute for Real Estate
- Institute for Excellence in Corporate Governance
- Institute for Innovation and Entrepreneurship

jindal.utdallas.edu/centers-of-excellence

The Career Management Center (CMC)

The Career Management Center (CMC) prepares degree-seeking students in the Jindal School of Management for significant and fulfilling business careers. The CMC has a committed and enduring relationship with the DFW business community, home to 24 Fortune 500 companies. The CMC offers tools and programs to help students and graduates build their networks, enhance their skills and develop professionalism to land dream jobs. Services include:

- Handshake (internal job posting website)
- Professional development opportunities
- Internships
- Portfolio building
- Company visits and networking opportunities on campus

jindal.utdallas.edu/career

Location

The Jindal School benefits from its location in the Dallas-Fort Worth area, a center of industry and trade that places a high value on ingenuity and entrepreneurship. *Foreign Policy* magazine named Dallas one of only five U.S. cities in the top 25 in its projection of the "most dynamic cities in the world in 2025."

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