

## Executive Master in Financial Technology & Innovation

## Curriculum Structure and Study Plan





# Curriculum Structure and Study Plan

### **Curriculum Structure**

The Executive Master in Financial Technology & Innovation (EMFTI) curriculm is composed of 39 credit hours divided as follows:

#### **Finance Core Requirements:**

- Financial Innovation Ecosystem (3 credits)
- Corporate Finance & Modeling (3 credits)
- Financial Innovation, Money, & Investment (3 credits)
- Financial Risk Management & Compliance (3 credits)
- Financing, Valuation, & Venture Capital (3 credits)

Managing Information System (MIS) Core Requirements:

- Data Management for Finance (3 credits)
- Enterprise Systems & IT Infrastructure for Finance (3 credits)
- Al & Machine Learning for Financial Applications (3 credits)
- Blockchain Innovation & Digital Currencies (3 credits)

Two Elective Courses (to be selected from the following):

- Financial Innovation Leadership & Strategy (3 credits)
- Real Estates & PropTech (3 credits)
- Insurance & InsurTech (3 credits)
- Behavioral Finance (3 credits)
- Case Studies in Financial Innovation (3 credits)
- Sustainable Finance (3 credits)
- Entrepreneurial Finance (3 credits)
- Big Data in Finance (3 credits)
- Alogrithmic Trading & Financial Innovation (3 credits)

#### **Research Project:**

• Project (6 Credits)



# Curriculum Structure and Study Plan

### **Program Study Plan**

The program follows a 2-year curriculum with 39 credit hours in total. The layout of the program balances foundational knowledge, advanced fintech topics, leadership skills, and applied experience.

This structure ensures graduates build foundational finance expertise, advanced technological skills, regulatory insight, and leadership capabilities, culminating in a real-world project that demonstrates mastery of financial technology and innovation.





## **Study Plan Layout**

#### **First Year**

#### **Fall Semester**

Course Name	Code	Units	GPA	Pre-requisite
Financial Innovation Ecosystem	EFIN 514	3(3+0)	Incl	
Corporate Finance & Modeling	EFIN 515	3(3+0)	Incl	
Data Management for Finance	EMIS 516	3(6+0)	Incl	
Total Credit Hours		9 hours		

#### **Spring Semester**

Course Name	Code	Units	GPA	Pre-requisite
Financial Innovation, Money, & Investment	EFIN 524	3(6+0)	Incl	EFIN 515
Enterprise Systems & IT Infastructure for Finance	EMIS 525	3(6+0)	Incl	EMIS 516
AI & Machine Learning for Financial Applications	EMIS 526	3(6+0)	Incl	EMIS 516
Financial Risk Management & Compliance	EFIN 527	3(6+0)	Incl	EFIN 515
Total Credit Hours		12 hours		

#### Second Year

#### **Fall Semester**

Course Name	Code	Units	GPA	Pre-requisite
Financing, Valuation, & Venture Capital	EFIN 533	3(6+0)	Incl	EFIN 515
Blockchain Innovation & Digital Currencies	EMIS 535	3(6+0)	Incl	EMIS 516
Elective (1)		3(6+0)	Incl	
Elective (2)		3(6+0)	Incl	
Total Credit Hours		12 hours		

#### **Spring Semester**

Course Name	Code	Units	GPA	<b>Pre-requisite</b>
Project	EFIN 598	6(12+0)	Excl	
Total Credit Hours		6 hours		

EMFTI - 2025

# Curriculum Structure and Study Plan

### **Elective Courses**

Students must complete 6 credit hours from the list below. Electives are grouped by theme so participants can tailor the degree to their career goals\*.

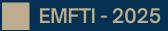
#### **Electives**

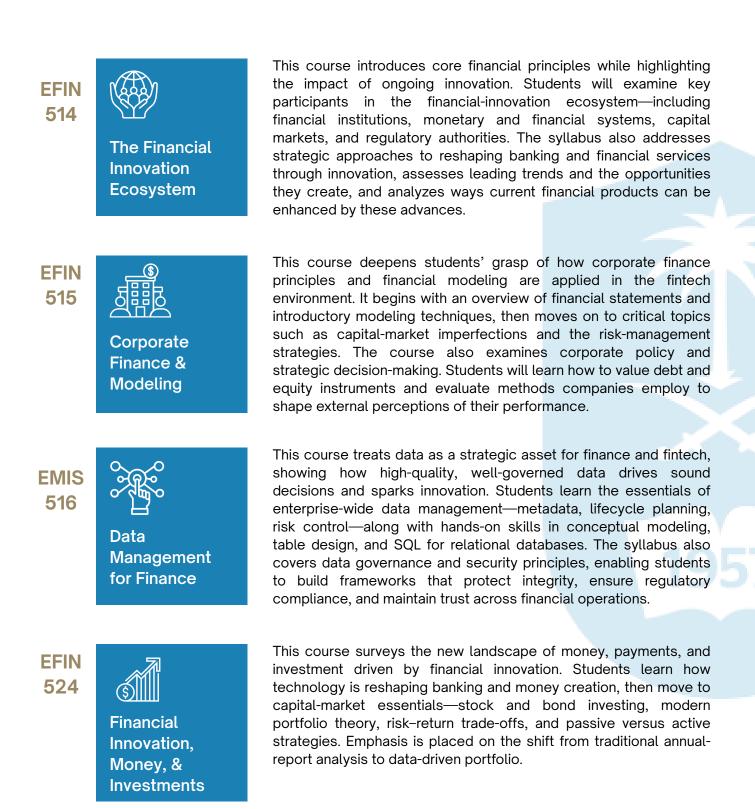
#### **Finance Courses**

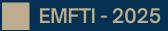
Course Name	Code	Units	GPA	Pre-requisite
Financial Innovation Leadership & Strategy	EFIN 551	3(3+0)	Incl	
Real Estate & PropTech	EFIN 552	3(6+0)	Incl	EFIN 515
Insurance & InsurTech	EFIN 553	3(6+0)	Incl	EFIN 527
Behavioral Finance	EFIN 554	3(3+0)	Incl	EFIN 524
Case Studies in Financial Innovation	EFIN 555	3(6+0)	Incl	EFIN 515
Sustainable Finance	EFIN 556	3(3+0)	Incl	EFIN 515
Entrepreneurial Finance	EFIN 557	3(3+0)	Incl	EFIN 515

#### **MIS Courses**

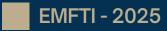
Course Name	Code	Units	GPA	Pre-requisite
Big Data in Finance	EMIS 558	3(6+0)	Incl	EMIS 516
Algorithmic Trading & Financial Innovation	EMIS 559	3(6+0)	Incl	EMIS 516

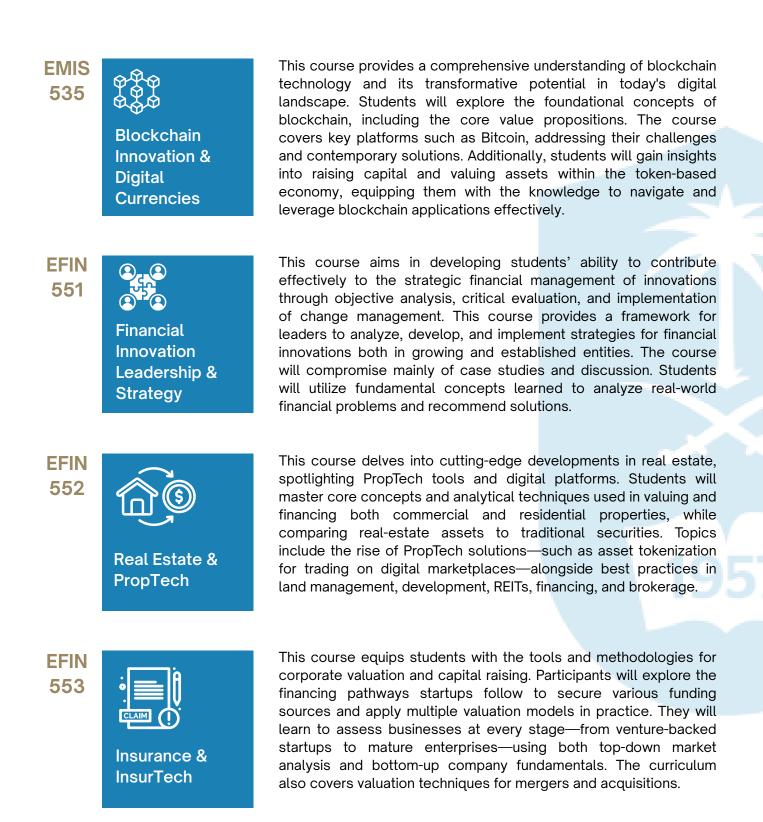


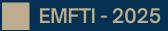














Entrepreneurial Finance This course demystifies puzzling patterns in asset prices and corporate finance by applying behavioral-finance theory. Students examine how psychological forces—cognitive biases, heuristics, prospect theory, and emotional drivers—influence investors and shape market behavior. By blending behavioral insights with emerging financial innovations, the course trains participants to spot new opportunities and anticipate risks in a rapidly evolving marketplace, equipping them to craft inventive strategies that lead to better financial decisions and outcomes.

In this course, students analyze real-world case studies showcasing a range of financial innovations across the industry. Each case bridges theory and practice, revealing how core concepts translate into everyday business settings. By working through these examples, participants will put into action the skills they have built throughout the program viewed through an innovation lens. The course also offers a platform to refine the teamwork and communication abilities essential for applying financial expertise within dynamic, innovation-driven organizations

This course introduces the core principles that explain why sustainability has become a critical element in investment decisions. As portfolio managers, corporate leaders, and market participants increasingly focus on (ESG) factors, they must understand how these metrics influence different financial sectors, evaluate expected returns, and assess sustainability-related risks. The course explores ESG reporting frameworks, the fiduciary duties of investors, and practical methods for embedding environmental and social considerations into the investment process.

This course examines the financing landscape that entrepreneurs encounter at every stage—from seed and start-up to growth and management buyout. Students learn how to identify, secure, and evaluate funding sources such as angel investors, venture-capital firms, and alternative capital providers. The curriculum covers key valuation methodologies and highlights the negotiations and challenges that can arise when determining a company's price. Throughout the term, real-world case studies illustrate the practical issues and strategic decisions integral to entrepreneurial finance.







## For Further Information Contact Us:

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