

Study Plan for FinTech & Risk Management Department (English Version)

- **Faculty Code:** 01 (Faculty of Business Intelligence)
- **Department & Major Code:** 19 (Department of Financial Technology & Risk Management)
- **Total Graduation Credits:** 120 Credit Hours (40 Courses)
- **Credit Distribution:** 27 Cr. Faculty Requirements + 63 Cr. Major Compulsory Requirements + 30 Cr. Major Electives (Student selects 10 courses out of 12 offered courses totaling 36 Cr.).

1. Unified Faculty Requirements (27 Credit Hours / 9 Compulsory Courses)

Course Code	Course Name	Responsible Department	Credit Hours
0111101	Principles of Smart Management & Business	Business Administration (11)	3
0112101	Principles of Micro & Macro Digital Economics	Banking & Digital Economics (12)	3
0113101	Fundamentals of Business Intelligence & MIS	MIS & Business Intelligence (13)	3
0114101	Principles of Digital Marketing & Consumer Behavior	Digital Marketing & Analytics (14)	3
0115101	Leadership & Corporate Communication Skills	Human Resource Management (15)	3
0117101	Principles of Accounting & Financial Analysis	Accounting & Digital Auditing (17)	3
0119101	Applied Statistics & Decision Modeling	FinTech & Risk Management (19)	3
0120101	Innovation & Design Thinking in Business	Innovation & Entrepreneurship (20)	3
0111102	Business Ethics & Digital Regulations	Business Administration (11)	3

2. Major Compulsory Requirements (63 Credit Hours / 21 Courses)

Course Code	Course Name	Offering Department	Credit Hours
0119201	Introduction to FinTech & Digital Business Models	FinTech & Risk Management (19)	3
0119202	Fundamentals of Financial & Enterprise Risk Management	FinTech & Risk Management (19)	3
0119203	Blockchain Technology & Smart Contracts in Finance	FinTech & Risk Management (19)	3
0119204	Digital Payment Systems, Wallets & Cross-Border Transfers	FinTech & Risk Management (19)	3
0119205	Scientific Research & Quantitative Risk Modeling	FinTech & Risk Management (19)	3
0111202	Strategic Management & Competitive Planning	Business Administration (11)	3
0112201	Financial Markets Management & Derivative Instruments	Banking & Digital Economics (12)	3
0113201	Information Security & Financial Cybersecurity	MIS & Business Intelligence (13)	3
0113302	Risk Analytics & Executive BI Dashboards (Risk BI)	MIS & Business Intelligence (13)	3
0117201	Financial Auditing & Cyber Financial Crime Prevention	Accounting & Digital Auditing (17)	3
0119301	Regulatory Technology & Automated Supervision (RegTech)	FinTech & Risk Management (19)	3
0119302	Credit & Liquidity Risk Modeling and Assessment	FinTech & Risk Management (19)	3
0119303	Artificial Intelligence & Machine Learning in Finance	FinTech & Risk Management (19)	3

Course Code	Course Name	Offering Department	Credit Hours
0119304	Insurance Technology & Claims Management (InsurTech)	FinTech & Risk Management (19)	3
0114301	Digital Marketing & User Experience in Financial Apps	Digital Marketing & Analytics (14)	3
0116301	Property Technology & Asset Crowdfunding (PropTech)	Real Estate & Investment (16)	3
0118301	Supply Chain Finance & Settlement Systems	Smart Supply Chain & Logistics (18)	3
0119401	Digital Assets Analysis & Cryptocurrency Strategies	FinTech & Risk Management (19)	3
0119402	FinTech Governance, Ethics & Sandbox Environments	FinTech & Risk Management (19)	3
0119403	Applied Field Training in FinTech & Risk Management	FinTech & Risk Management (19)	3
0119404	Applied Graduation Project in FinTech & Risk Management	FinTech & Risk Management (19)	3

3. Major Elective Requirements (30 Credit Hours / Select 10 Courses out of 12 Offered)

Course Code	Course Name	Offering Department	Credit Hours
0119451	Open Banking Architecture & Financial APIs	FinTech & Risk Management (19)	3
0119452	Algorithmic & High-Frequency Trading Strategies	FinTech & Risk Management (19)	3
0119453	Climate Risk Management & Sustainable Green Finance	FinTech & Risk Management (19)	3
0119454	Decentralized Finance & Protocols	FinTech & Risk	3

Course Code	Course Name	Offering Department	Credit Hours
	(DeFi Architecture)	Management (19)	
0111451	Business Continuity Management & Financial Crisis Governance	Business Administration (11)	3
0112451	Behavioral Economics & Investor Financial Psychology	Banking & Digital Economics (12)	3
0113451	Cloud Computing & Mission-Critical Financial Architecture	MIS & Business Intelligence (13)	3
0117451	Auditing AI Financial Algorithms & Compliance	Accounting & Digital Auditing (17)	3
0114451	Customer Acquisition & Retention Modeling in FinTech	Digital Marketing & Analytics (14)	3
0120451	Launching & Scaling FinTech Startups	Innovation & Entrepreneurship (20)	3
0116451	Real Estate Tokenization & Crypto Investment Funds	Real Estate & Investment (16)	3
0115451	Change Management & Culture in Digital Financial Firms	Human Resource Management (15)	3