



BACHELOR OF SCIENCE IN FINANCIAL TECHNOLOGY (FinTech) 2024-2025

The Bachelor of Science in FinTech is a 120-credit program includes traditional finance coursework, but also provides an in-depth knowledge and understanding of the theories and evolution of FinTech, data-driven financial modeling, financial data mining and machine learning, financial data analytics, and new innovations in the financial sector, including AI, blockchain, bitcoin, cloud computing, machine learning, IoT, crowd funding, P2P lending, etc. The primary goal of the program is to develop students who have the necessary skills and knowledge to pursue competitive professional and academic careers.

First Year

First Semester

		Credits
ACCT 115	Fundamentals of Financial Accounting	3
CS 100	Roadmap to Computing (GER)	3
ENGL 101	English Composition: Writing, Speaking, Thinking I (GER)	3
MATH 135	Calculus for Business (GER)	3
MGMT 190	Introduction to Business	3
FYS	First-Year Seminar (required only of First Year Students)	0
	Term Credits	15

Second Semester

CS 113	Introduction to Computer Science I	3
MGMT 116	Quantitative Analysis Appl Bus with Lab (GER)	4
ECON 266	Macroeconomics	3
ENGL 102	English Composition: Writing, Speaking, Thinking II (GER)	3
MGMT 290	Business Law I	3
	Term Credits	16

Second Year

First Semester

		Credits
MIS 245	Introduction to Management Information Systems	3
ECON 265	Microeconomics	3
MGMT 216	Business Data Analytics	3
	History and Humanities 200 level (GER)	3
	Natural Science (GER)	3
	Term Credits	15

Second Semester

FIN 315	Fundamentals of Corporate Finance	3
MRKT 330	Principles of Marketing	3
OM 375	Management Science	3
CS 114	Introduction to Computer Science II	3
	Natural Science w/Lab (GER)	4
	Term Credits	16

Third Year

First Semester

FIN 218	Financial Markets and Institutions	3
HRM 301	Organizational Behavior (GER)	3
FIN 310	Data Driven Financial Modelling	3
ENTR 320	Financing New Venture	3
MGMT 399	Career Planning	1
	Free Elective	3
	Term Credits	16

Second Semester

		Credits
SDET 373	Web App Development for Mobile	3
MIS 385	Database Systems for Managers	3
FIN 320	Financial Data Analytics	3
	History and Humanities 300+ level (GER)	3
FIN 306	Blockchain Technology for Business	3
	Term Credits	15

Fourth Year

First Semester

FIN 430	Options and Futures Markets	3
	History and Humanities 300+ level (GER)	3
FIN 417	Investments Management	3
FIN 410	Data Mining and Machine Learning	3
	Free Elective	3
	Term Credits	15

Second Semester

	Free Elective	3
MGMT 480	Managing Technology and Innovation	3
MGMT 416	Artificial Intelligence for Business	3
	Humanities and Social Sciences Senior Seminar (GER)	3
	Term Credits	12

Total Credits 120

