



**BACHELOR OF SCIENCE IN FINANCIAL
TECHNOLOGY (FinTech)**
September 2020

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 103	Computer Science with Business Problems <i>(GER)</i>	3
HUM 101	English Composition: Writing, Speaking, Thinking I <i>(GER)</i>	3
MATH 135	Calculus for Business <i>(GER)</i> <i>(pre-req: MATH 107 or Placement exam)</i>	3
MGMT 190	Introduction to Business	3
FRSH SEM	First-Year Seminar <i>(required only of FIRST TIME FRESHMEN)</i>	0
Term Credits		15

Second Semester

CS113	Introduction to Computer Science I <i>(GER)</i>	3
MGMT 116	Quantitative Analysis Appl Bus with Lab <i>(GER)</i>	4
ECON 266	Macroeconomics	3
HUM 102	English Composition: Writing, Speaking, Thinking II <i>(GER)</i>	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 (<i>pre-req: MATH 135</i>)	3
MGMT 216	Business Data Analytics (<i>pre-req: MGMT 116 or MATH 105</i>)	3
	History and Humanities 200 level (<i>GER</i>)	3
	Natural Science (<i>GER</i>)	3
	Term Credits	15

Second Semester

FIN 315	Fundamentals of Corporate Finance	3
MRKT 330	Principles of Marketing (<i>pre-req: MGMT 190</i>)	3
OM 375	Management Science (<i>pre-req: MGMT 190</i>)	3
CS 114	Introduction to Computer Science II	3
	Natural Science w/Lab (<i>GER</i>)	4
	Term Credits	16

Third Year

First Semester

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

Second Semester

		Credits
CPT 373	Web App Development for Mobile	3
MIS 385	Database Systems for Managers (<i>pre-req: CS 103, MIS 245</i>)	3
FIN 320	Financial Data Analytics	3
	History and Humanities 300+ level (<i>GER</i>)	3
FIN 306	Blockchain Technology for Business (pending approval)	3
	Term Credits	15

Fourth Year

First Semester

FIN 430	Options and Futures Markets	3
	History and Humanities 300+ level (<i>GER</i>)	3

BUSINESS WITH THE POWER OF TECHNOLOGY

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 (<i>pre-req: Junior standing</i>)	3
MGMT 416	AI for Business (<i>pending approval</i>)	3
	Humanities and Social Sciences Senior Seminar (<i>GER</i>)	3
	Term Credits	12

Total Credits 120

