	School:		Society Hub		Student's Pathways (i.e. Study Pattern)								
	Department:		Financial Technology Thrust		Pathway (2026 cohort and onwards)								
	Program: (Major/~~Minor/Other~~*) *delete as appropriate		*BSc in Financial Technology*		Background: Profile: Normative								
	Subject Area (course code prefix)	Course Number	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	***Sub-total***
Foundations (skillsets & mindsets)				12-15									**30**
			Cognitive Foundations of University Education. Critical Thinking and Data Literacy (CTDL) (can be taken in any year; can be substituted by any Broadening courses)	0-3		3							
			Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW) (year-long in Year 1)	3	1	2							
			English Communication (E-Comm) (in Year 1)	6	6								
			Chinese Communication (C-Comm) (in any year)	3	3								
Broadening (with specific outcomes)			**12 credits under stipulated program-specific areas; 0 to 6 credits under any areas as substitution to CTDL/UxOP**	12-18									
			Arts (A)	3				3					
			Humanities (H)	3			3						
			Science (S)	3				3					
			Technology (T)	3			3						
			Social Analysis (SA)	3				3					
Experiencing			**Undergraduate Experiential Opportunities Programs**	0-3									
			Undergraduate Research Opportunities Program	3									
			Undergraduate Teaching Opportunities Program	3									
			Undergraduate Practice Opportunities Program	3									
			Undergraduate Global Challenges and Opportunities Program	3									
			Required credits for University Common Core Course	**30**									
Fundamental Course(s)	UFUG		Note: UFUG 1102 OR UFUG 1105	3	3								**24**
	UFUG	1102	Calculus I	3									
	UFUG	1105	Honors Calculus I	3									
	UFUG		Note: UFUG 1103 OR UFUG 1106	3		3							
	UFUG	1103	Calculus II	3									
	UFUG	1106	Honors Calculus II	3									
	UFUG		Note: UFUG 1601 OR UFUG 1603	3		3							
	UFUG	1601	Introduction to Computer Science	3									
	UFUG	1603	Honors Introduction to Computer Science	3									
	UFUG	2101	Introduction to Multivariate Calculus	3			3						
	UFUG		Note: UFUG 2102 OR UFUG 2103	3			3						
	UFUG	2102	Matrix Algebra and Applications	3									
	UFUG	2103	Linear Algebra	3									
	UFUG	2105	Optimization	3				3					
	UFUG	2106	Discrete Mathematics	3				3					
	UFUG	2602	Data Structure and Algorithm Design	3		3							
			Required Credits for Fundamental Course(s)	**24**									
Major Required Course(s)	FTEC	1010	Academic Orientation for FTEC Students	1			1						**44**
	FTEC	2120	Probability	4					4				
	FTEC	3110	Numerical Analysis	3						3			
	FTEC	3130	Statistical Inference	3						3			
	FTEC	3210	Data Analysis with Python	3								3	
	FTEC	3310	Economic Theory for FinTech	3					3				
	FTEC	3320	Asset Pricing Theory	3						3			
	FTEC	3330	Intermediate Corporate Finance	3								3	
	FTEC	4210	Blockchain, Cryptocurrencies and Smart Contracts	3						3			
	FTEC	4310	Financial Markets Trading and Structure	3							3		
	FTEC	4910	Final Year Project	6							3	3	
	DSAA	2011	Machine Learning	3							3		
	DLED	3030	English Communication I for Soceity Hub Programs	3					3				
	DLED	4030	English Communication II for Soceity Hub Programs	3							2	1	
			Required Credits for Program Major Required Course(s)	**44**									
Major Elective Course(s)	FTEC	2320	Microeconomics	3									**18**
	FTEC	2330	Macroeconomics	3									
	FTEC	3120	Stochastic Modeling	3									
	FTEC	3140	Real Analysis	4									
	FTEC	3340	Introduction to Econometrics	4									
	FTEC	4110	Statistical Machine Learning	3									
	FTEC	4220	Internet Finance	3									
	FTEC	4230	Cybersecurity and Compliance	3									
	FTEC	4240	Digital Assets	3									
	FTEC	4250	Natural Language Processing for FinTech	3									
	FTEC	4260	Computer and Communication Networks	3									
	FTEC	4270	Introduction to Graph Theory	4					3	3	6	6	
	FTEC	4280	Data Visualization	3									
	FTEC	4320	Financial Data Analysis	3									
	FTEC	4330	Game Theory	3									
	FTEC	4340	Decentralized Finance	3									
	FTEC	4350	Algorithmic Trading and Robo-Advising	3									
	FTEC	4360	Climate Finance	3									
	FTEC	4410	Financial Derivatives and Structured Products	3									
	FTEC	4420	Risk Management	3									
	FTEC	4430	FinTech Regulation and Policies	3									
	FTEC	4510	Key Skills for FinTech Professionals	1									
			Required Credits for Program Major Elective Course(s) (min 6 courses)	**18**									
			Required credits for Major Requirements	**116**	Semester load (excl. free credits)								
					13	14	13	15	13	15	17	16	
					120								