	School:		**Society Hub**		Student's Pathways (i.e. Study Pattern)												
	Department:		**Financial Technology Thrust**		Pathway (2025 cohort)												
	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													
	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									**30**				
	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								**25**				
	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		Note: UFUG 2601 OR UFUG 2602	3-4		4											
	UFUG	2601	C++ Programming	4													
	UFUG	2602	Data Structure and Algorithm Design	3													
			Required Credits for Fundamental Course(s)	**24-25**													
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	**116-117**	Semester load (excl. free credits)												
					13	15	13	15	13	15	17	16					
					120												