$Interdisciplinary\ Graduate\ Concentration\ in\ Transformational\ Innovation\ and\ Design-Course\ Matrix$

	ENVISION - Problem Framing and Contextualization	SHAPE - Conceptualization, Exploration and Development	PURSUE - Trial, Adoption, and Impact Realization
Theory	ANTH 50500 - Culture and Society ANTH/COM 50700 - Theory in Sociocultural Anthropology ANTH 51900 - Introduction to Semiotics ANTH E4570 - Ethnic Identity CE59801 - Breakthrough Thinking for Complex Challenges COM 56500/LING 56500 - Sociolinguistics ENE 55400 - Introduction to Globalization and Engineering ENE 62000 - Design, Cognition, and Learning IE / PSY 57700 - Human Factors in Engineering LC 57000 - Introduction to Semiotics SYS 50000 - Perspectives on Systems	AAE 56000 - Systems-of-Systems Modelling and Analysis AD 53200 - Cognition in Design CGT 56200 - Cognition and Human- Computer Interaction EDCI 52800 - Human Performance Technology EDCI 53100 - Learning Theories and Instructional Design ENE 62000 - Design, Cognition, and Learning SYS 50000 - Perspectives on Systems TECH 53300 - Design Theory and Technology TLI 62500 - Research in Open Innovation I	AAE 55000 - Multidisciplinary Design Optimization COM 51800 - Theories of Persuasion COM 57400 - Organizational Communication ECON 51000 - Game Theory IE 64600 - Advanced Decision Theory MGMT 65000 - Strategic Management MGMT 65500 - Competitive Strategy PSY 64200 - Social Influence

Methods	ZONE 4	ZONE 5	ZONE 6
	ANTH 64000 - Foundations and	AAE 55000 - Multidisciplinary Design	AAE 55000 - Multidisciplinary Design
	Frameworks: Applying Anthropology	Optimization	Optimization
	ANTH 64100 - Discovery and Design:	AAE 56000 - Systems-of-Systems	ABE 62600 - Life of A Faculty
	Making Projects Work	Modelling and Analysis	Entrepreneur; Discovery, Delivery,
	CNIT 58100 - Natural Language	AD 51200 - Interaction Design	Translation
	Technologies	Studies	CE59601 - Entrepreneurship and
	COM 60411 – Seminar in	AD 52200 - Interaction Design	Business Strategy in Engineering
	Communication Methods	Evaluation	CS / ECE 66200 - Pattern Recognition
	CS 57300 - Data Mining	CGT 51600 - Collaborative Virtual and	and Decision-Making Processes
	ECON 58500 - Behavioral Economics	Augmented Environments	CSR 68200 - Analytical Tools for
	IE 59000 - Nature Inspired	IDE 48400 - Multidisciplinary	Consumer Economists
	Computing (this title only)	Engineering Design Methodology*	ECON 58500 - Behavioral Economics
	MGMT 57100 - Data Mining	IE 48600 - Work Analysis & Design II	IE 54600 - Economic Decisions in
	SOC 68000 - Advanced Social	IE 58100 - Simulation Design and	Engineering
	Research Methods	Analysis	MGMT 62000 – Marketing
		IE 59000 - Nature Inspired	Management
		Computing (this title only)	MGMT 62200 - Marketing Strategy
		ME 44400 - Computer-Aided Design	MGMT 63800 - Pricing Strategies and
		and Prototyping	Analysis
		ME 55700 - Design for	MGMT 65700 - Manufacturing
		Manufacturability	Strategy and Process Innovation
		MGMT 52200 - New Product	MGMT 67000 - Business Analytics
		Development	STAT 52900 - Applied Decision
		MGMT 65700 – Manufacturing	Theory and Bayesian Statistics
		Strategy and Process Innovation	
		MGMT 67000 - Business Analytics	
		STAT 52900 - Applied Decision	
		Theory and Bayesian Statistics	
		SYS 51000 - Tools and Methodologies	
		for Designing Systems	

Experience	ZONE 7	ZONE 8	ZONE 9
Laperience	IE 58000 - Systems Simulation POL 60500 - Research Design and Methods	AD 54200 - Information Visualization Design AD 60500 - Problems in Industrial Design ENGR 50000 - Global Design Team V ME 44400 - Computer-Aided Design and Prototyping ME 55300 - Product and Process Design MGMT 65200 — Entrepreneurship MGMT 68700 - Design for Instincts - Social Networks and Engagements SYS 53000 - Practical Systems Thinking	CE59601 - Entrepreneurship and Business Strategy in Engineering CE59801 - Breakthrough Thinking for Complex Challenges ECON 62100 - Applied Industrial Organization MGMT 69000 - ELI Corporate Consulting (this title only)

^{*5} week accelerated course