Learning and User Experience Design (LUX)
Curriculum

University Core (33 hours)

	Course	Hours
English	EN 1103 English Comp I	3
	EN 1113 English Comp II	3
Fine Arts (General Education)	Any Gen Ed course	3
Natural Sciences (2 labs required)	Any two Gen Ed courses with labs	6
Quantitative Reasoning (General Education)	Any Gen Ed course (take MA 1313 if you will choose the Data Science endorsement)	3
Humanities (General Education)	Any two Gen Ed courses	6
Social/Behavioral Sciences (Gen Ed)	Any two Gen Ed courses	6
Writing Requirement	MGT 3213 Org Communications *OR* INDT 3813 Writing for Industry	3

Business Core (9 hours)

Course	Course Title	Hours	Prerequisite(s)
MGT 3113	Principles of Management	3	Junior standing
MGT 3513	Introduction to Human Resources Management	3	Junior standing
BIS 3233	Management Information Systems	3	

Learning and User Experience Design Core (60 hours)

Course	Course Title	Hours	Prerequisite(s)
TECH 1273	Computer Applications	3	
TECH 2023	Introduction to Human-Centered Design	3	
TECH 2213	Introduction to Artificial Intelligence Infrastructure	3	
TECH 2233	Information and Media Literacy	3	
TECH 2533	Learning Experience Design	3	
TECH 3123	Introduction to Experience Design Research	3	TECH 2023
TECH 3223	Experience Design Applications	3	TECH 2023
TECH 3313	Computational Thinking	3	
TECH 3583	Instructional Graphic Production	3	
TECH 4203	Emerging Technologies	3	TECH 1273
TECH 4343	Information Technology Project Management	3	TECH 1273 or BIS 1012

TECH 4523	Experience Design Evaluation	3	TECH 2023 and TECH 3123
TECH 4583	Graphics and Web Design	3	TECH 1273 or BIS 1012
TECH 4613	Application of Artificial Intelligence in UX/LX	3	
TECH 4683	Senior Seminar in Learning and User Experience Design	3	TECH 3223, TECH 4523 and senior standing
TECH 4713	Authoring for Instruction	3	TECH 2533
TECH 4753	Video and Audio Production	3	TECH 1273 or BIS 1012
	Approved Elective	3	
	Approved Elective	3	
	Approved Elective	3	

Endorsement Area (Choose one: 18-19 hours)

Information Technology Services (18 hours)			
Course	**Course Title**	**Hours**	**Prerequisites**
TECH 2123	Intro to Database Management	3	TECH 1273
TECH 2563	Creating Machine Learning Systems	3	TECH 2123
TECH 2653	The Internet of Things	3	
TECH 3463	Computer Repair and Maintenance	3	TECH 1273 or BIS 1012
TECH 4563	Intro to Data Networks	3	TECH 1273 or BIS 1012
TECH 4573	Data Networks II	3	TECH 4563

Product Development (18 hours)			
Course	**Course Title**	**Hours**	**Prerequisites**
INDT 1003	Technical Drafting and Print Reading	3	
INDT 2343	Parametric Modeling for 3D Design	3	INDT 1003
INDT 2353	Industrial Computer Aided Drafting and Design	3	INDT 1003
INDT 4443	Additive Manufacturing and Rapid Prototyping	3	INDT 2343
INDT elective (choose from INDT courses)		3	
INDT elective (choose from INDT courses)		3	

Art and Graphic Design (18 hours)				
Course		**Course Title**	**Hours**	**Prerequisites**
Option 1	ART 1123	Design I	3	
	ART 1133	Design II	3	ART 1123
	ART 2803	Digital Design I	3	
	ART 2813	Digital Design II	3	ART 2803
	ART elective (choose from ART classes)		3	
	ART elective (choose from ART classes)		3	
Option 2	Graphic Design Minor			

Data Science (19 hours)			
Course	**Course Title**	**Hours**	**Prerequisites**
DSCI 2013	Data Science Literacy	3	
CSE 1284	Introduction to Computer Programming	4	MA 1313 or equivalent
DSCI 4013	Data Visualization	3	
DSCI 2012	Data Science Lab – Data Wrangling	2	
MA/ST 3123	Statistical Inference	3	MA 1313 or ACT math subscore of 24

Choose two of the following labs (2 hours each):
   DSCI 2022 Data Science Lab – Cloud, High-
      Performance, and Quantum Computing
   DSCI 3012 Data Science Lab – Description, Analysis and
      Inference
   DSCI 3022 Data Science Lab – Data Visualization
   DSCI 3032 Data Science Lab – Artificial Intelligence
		4	
			DSCI 2012
			
			MA 3123
			
			DSCI 2012
			DSCI 2012