BUTLER UNIVERSITY • DEPARTMENT OF ART

B.A. IN ART + DESIGN PLUS A SECONDARY MAJOR IN DATA SCIENCE

- The B.A. degree in Art + Design requires 120 credits.
 - --40 hours must be 300 or 400-level courses.
 - --All art majors have Arts Event Attendance Requirements; for details, check https://www.butler.edu/jca/for-current-students.
- The double major of Art + Design and Data Science will fulfill the following Areas of Inquiry in the University Core Curriculum: Perspectives of the Creative Arts and Analytic Reasoning. In addition, the B.A. Art + Design curriculum fulfills the Indianapolis Community Requirement of the Butler University Core Curriculum; art majors fulfill the Butler Cultural Requirement because of the arts event attendance requirements for all arts majors.
- The student will be assigned a Data Science advisor in addition to their Art advisor.

Semester 1			Semester 2			
ART 105 ART 107	Art History Survey 1 Drawing 1	3	ART 205 ART 210	Art History Survey 2 Professional Practices	3 3	
FYS 101	First Year Seminar	3	FYS 102	First Year Seminar	3	
CS 151 MA 106*	Foundations of Computing 1 Calculus & Anal. Geo. 1	3 4	CS 252 MA 107	Foundations of Computing 2 Calculus & Anal. Geo. 2	3 4	
TOTAL Credit Hours:		16			16	

^{*}Math placement test required; the student may need to take MA 101 (Algebra, 3 cr.) and/or MA 102 (Precalculus, 3 cr.) prior to MA 106. Students get credit for MA 106 if they receive a 4 or 5 on the Calculus AB AP exam; they receive credit for both MA 106 and MA 107 if they receive a 4 or 5 on the Calculus BC AP exam with a 4 or 5 on the AB subscore.

Semester 3			Semester 4		
ART 308 ART	Graphic Design 1 Art Elective	3	ART	Art Elective	3
GHS	Global and Historical Studies	3	SW	The Social World	3
MA 162 Elementary Statistics 3 Language Elective 3 Explanation: 6 hours of the same language at the		3	CS 248 Object-Orient Prog & Data Str MA 310 Linear Algebra Language Elective O-level or higher are required.		5 3 3
TOTAL Credit Hours: 1		15			17

Semester 5			Semester 6		
ART ART	Art Elective Art Elective	3 3	ART ART	Art Elective Art Elective	3
WB	Well-Being	1	GHS	Global and Historical Studies	3
CS 333 CS 351 MA 360 TOTAL Credit I	Database Systems Algorithms Probability Theory 1 Hours:	3 3 3	CS 341 MA 320 MA 361	Advanced Data Structures Big Data Ethics, Gov & Beyond Statistical Theory	3 3 3
Semester 7			Semester 8		
Semester 7 ART 453-ICR ART	Internship Art Elective	3 3	Semester 8 ART 411	Thesis	3
ART 453-ICR	•			Thesis Texts and Ideas	3
ART 453-ICR ART	Art Elective	3	ART 411		

SUMMARY

REQUIRED ART C	OURSES:					
ART 105	Art History Survey 1		3			
ART 103	Drawing 1		3			
ART 205	Art History Survey 2		3			
ART 203	Professional Practices		3			
ART 308	Graphic Design 1		3			
ART 411	Thesis		3			
ART 451/2/3-ICR	·					
ART 207,307	edits chosen from the following: Drawing 2,3	2.2	21 (maximum of 9 in Art History*)			
•	G .	3,3				
ART 303,313,3	23,423 Photography 1,2,3,4	3,3,3,3				
	Depiction Animation + Video	3 3				
ART 305						
ART 306	Cyanotype	3				
ART 311	Function	3				
ART 312*	Design: History and Theory	3				
ART 314*	Art Museum Studies	3				
ART 315*	Postmodernism in the Arts	3				
ART 316*	Modernism in the Arts	3				
	American Art and Visual Culture	3				
ART 318,328	Graphic Design 2,3	3,3				
	World History of Photography	3				
	Race, Gen & Sexuality in Cont Art	3				
ART 321*	Art of Asia	3				
	42 Painting 1,2,3	3,3,3				
ART 330*	Art of Africa	3				
ART 360	Sculpture	3				
ART 370	Studio Practicum	3				
ART 380/1/2	Special Topics in Art and Visual Cult	1,2,3				
ART 401/2/3	Independent Study	1,2,3				
ART 499	Honors Thesis	3				
NW 216-ART	Science and Photography	5				
	TOTAL		42			
UNIVERSITY COR						
FYS 101,102	First Year Seminar		3,3			
GHS	Global and Historical Studies		3,3			
NW	The Natural World		5			
SW	The Social World		3			
TI	Texts and Ideas		3			
WB	Well-Being		1			
	TOTAL		24			
COURSES REQUIRED FOR THE DATA SCIENCE MAJOR:						
CS 151	Foundations of Computing 1		3			
CS 248	Object-Oriented Prog & Data Structu	res	5			
CS 252	Foundations of Computing 2		3			
CS 333	Database Systems		3			
CS 341	Advanced Data Structures		3			
C2 241	Advanced Data Structures		J			

Algorithms	3
Artificial Intelligence	3
Computer Ethics	1
Calculus and Anal Geometry 1	4
Calculus and Anal Geometry 2	4
Elementary Statistics	3
Linear Algebra	3
Big Data Ethics, Governance, and Beyond	3
Probability Theory 1	3
Statistical Theory	3
Linear Regression and Time Series	3
Multivariate Statistical Methods	3
Predictive Analytics and Data Mining	3
6 hours of the same language at the 200-leve	or higher
TOTAL	<i>62</i>
	Artificial Intelligence Computer Ethics Calculus and Anal Geometry 1 Calculus and Anal Geometry 2 Elementary Statistics Linear Algebra Big Data Ethics, Governance, and Beyond Probability Theory 1 Statistical Theory Linear Regression and Time Series Multivariate Statistical Methods Predictive Analytics and Data Mining 6 hours of the same language at the 200-level

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