BUTLER UNIVERSITY • DEPARTMENT OF ART

B.A. IN ART + DESIGN PLUS A SECONDARY MAJOR IN SOFTWARE ENGINEERING

- The B.A. degree in Art + Design requires 126 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 Software Engineering 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 and the Social Justice and Diversity requirement of the Butler University Core Curriculum; art majors are exempted from the Butler Cultural Requirement because of the arts event attendance requirements for all arts majors.
- The student will be assigned a Software Engineering advisor in addition to their Art advisor.

Semester 1			Semester 2			
ART 105	Art History Cumyou 1	ว		Art History Curyou 2	2	
ART 105 ART 107	Art History Survey 1 Drawing 1	3 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	
PWB	Physical Well-Being	1	SW	The Social World	3	
CS 151 Foundations of Computing 1 Language Elective Explanation: 6 hours of the same language as		3 3 t the 20	CS 252 Foundations of Computing 2 Language Elective		3	
TOTAL Credit Hours:		16			18	
Semester 3			Semester 4			
ART 308	Graphic Design 1	3	ART	Art Elective	3	
ART	Art Elective	3	ART	Art Elective	3	
GHS	Global and Historical Studies	3	GHS	Global and Historical Studies	3	
CS 333	Database Systems	3	CS 248	Obj-Orient Program & Data Str	5	
CS 351	Algorithms	3	SE 361	Intro to Software Engineering	3	
TOTAL Credit Hours:		15			17	
Semester 5			Semester 6			
ART	Art-Focused SJD Elective	3	ART	Art Elective	3	
ART	Art Elective	3	ART	Art Elective	3	
CS 321	Computer Organization	3	CS 382/3-ICR	Epics 2 Service Learning	2-3	
CS 485	Computer Ethics	1	CS 452	Parallel Algor Des & Program	3	
MA 106*	Calculus & Anal. Geo. 1	4	MA 107	Calculus & Anal. Geo. 2	4	
SE 462	Modernizing Legacy Soft	3	SE 461	Managing Software Dev	3	
TOTAL Credit Hours:		17			18-	

*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 7			Semester 8			
Internship	3	ART 411	Thesis	3		
The Natural World	5	TI	Texts and Ideas	3		
CS 435 or CS 441	3	CS 311	Voc Exploration in Comp Sci	1		
Elementary Statistics	3	CS 341	Advanced Data Structures	3		
Internship Practicum	1	SE 463	Testing & Quality Assurance	3		
Internship Reflection	2	CS/SE	Elective	3		
TOTAL Credit Hours:				16		
	The Natural World CS 435 or CS 441 Elementary Statistics Internship Practicum Internship Reflection	The Natural World 5 CS 435 or CS 441 3 Elementary Statistics 3 Internship Practicum 1 Internship Reflection 2	Internship 3 ART 411 The Natural World 5 TI CS 435 or CS 441 3 CS 311 Elementary Statistics 3 CS 341 Internship Practicum 1 SE 463 Internship Reflection 2 CS/SE	Internship 3 ART 411 Thesis The Natural World 5 TI Texts and Ideas CS 435 or CS 441 3 CS 311 Voc Exploration in Comp Sci Elementary Statistics 3 CS 341 Advanced Data Structures Internship Practicum 1 SE 463 Testing & Quality Assurance Internship Reflection 2 CS/SE Elective		

SUMMARY

REQUIRED ART	COURSES:					
ART 105	Art History Survey 1		3			
ART 107	Drawing 1		3			
ART 205	Art History Survey 2		3			
ART 210	Professional Practices		3			
ART 308	Graphic Design 1		3			
ART 411	Thesis		3			
ART 451/2/3-ICR		3				
• •	ial Justice and Diversity course: Choose	3				
ART 317-SJD	American Art and Visual Culture	3				
ART 319-SJD	World History of Photography					
ART 320-SJD	Race, Gender & Sexuality in Cont Art					
	s chosen from the following:		18 (maximum of 6 in Art History*)			
ART 207,307	Drawing 2,3	3,3	10 (maximum of 0 in Art history)			
•	223 Photography 1,2,3	3,3,3				
ART 303,513,5	Depiction	3,3,3				
ART 304 ART 305	Animation + Video	3				
ART 303	Function	3				
ART 311*	Design: History and Theory	3				
ART 312 ART 314*	Art Museum Studies	3				
ART 315*	Postmodernism in the Arts	3				
ART 315*	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				
ART 320-SJD*	•	3				
	42 Painting 1,2,3	3,3,3				
ART 360	Sculpture	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	42			
	TOTAL		42			
UNIVERSITY COR	RE CURRICULUM:					
FYS 101,102	First Year Seminar		3,3			
GHS	Global and Historical Studies		3,3			
NW	The Natural World		5			
SW	The Social World (if needed)		3			
TI	Texts and Ideas		3			
PWB	Physical Well-Being		1			
	TOTAL		24			
COURSES REQUIRED FOR THE SOFTWARE ENGINEERING MAJOR:						
•		IG IVIAJO				
CS 151	Foundations of Computing 1	3				
CS 248	Object-Oriented Prog & Data Structures		5			
CS 252	Foundations of Computing 2		3			
CS 311	·		1			
CS 321	Computer Organization		3			

CS 333	Database Systems	3
CS 341	Advanced Data Structures	3
CS 351	Algorithms	3
CS 382/383-ICR	Epics 2 Service Learning	2-3
CS 452	Parallel Algorithm Design and Programming	3
CS 485	Computer Ethics	1
MA 106*	Calculus & Anal Geometry 1	4
MA 107	Calculus & Anal Geometry 2	4
MA 162	Elementary Statistics	3
SE 361	Introduction to Software Engineering	3
SE 411	Internship Practicum	1
SE 412	Internship Reflection	2
SE 461	Managing Software Development	3
SE 462	Modernizing Legacy Software	3
SE 463	Testing and Quality Assurance	3
ONE of the follow	ring, chosen from:	3
CS 435	Computer Networks	
CS 441	Organization of Programming Languages	
CS/SE	Elective numbered 300 or above	3
Language	6 hours of the same language at the 200-leve	l or higher
	TOTAL	<i>68-69</i>

^{*}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.