BUTLER UNIVERSITY • DEPARTMENT OF ART

B.A. IN ART + DESIGN *PLUS* A SECONDARY MAJOR IN COMPUTER 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 Computer 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 Computer Science advisor in addition to their Art advisor.

Semester 1

ART 105	Art History Survey 1	3
ART 107	Drawing 1	3
FYS 101	First Year Seminar	3
SW ____	The Social World	3
CS 151	Foundations of Computing 1	3
TOTAL Credit Hours:		15

Semester 2

ART 205	Art History Survey 2	3
ART 210	Professional Practices	3
FYS 102	First Year Seminar	3
CS 248	Object-Orient Prog & Data Str	5
CS 252	Foundations of Computing 2	3
		17

Semester 3

ART 308	Graphic Design 1	3
ART ____	Art Elective	3
CS 321	Computer Organization	3
CS 333	Database Systems	3
Language Elective		3

Explanation: 6 hours of the same language at the 200-level or higher are required.

TOTAL Credit Hours:		15

Semester 4

ART ____	Art Elective	3
ART ____	Art Elective	3
GHS ____	Global and Historical Studies	3
SE 361	Intro to Software Engineering	3
Language Elective		3
		15

Semester 5

ART ____	Art Elective	3
ART ____	Art Elective	3

Semester 6

ART ____	Art Elective	3
ART ____	Art Elective	3

GHS ____	Global and Historical Studies	3			
WB ____	Well-Being	1			
CS 485	Computer Ethics	1	CS 341	Advanced Data Structures	3
MA 106*	Calculus & Anal. Geo. 1	4	MA 107	Calculus & Anal. Geo. 2	4
MA 310	Linear Algebra	3	____	400-level CS/SE Topics Course	3
TOTAL Credit Hours:		18			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 7

ART 453-ICR	Internship	3	ART 411	Thesis	3
TI ____	Texts and Ideas	3	NW ____	The Natural World	5
CS 351	Algorithms	3	CS 311	Vocational Expl in Comp Sc	1
CS 382/383	Epics 2 Service Learning	2-3	CS 452	Parallel Algorithm Des & Progr	3
CS/SE ____	Elective: CS 430-439 or SE 460+	3	CS ____	Elective: CS 440-459	3
TOTAL Credit Hours:		14-15			15

Semester 8

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	Internship	3
TWENTY-ONE credits chosen from the following:		21 (maximum of 9 in Art History*)

ART 207,307	Drawing 2,3	3,3
ART 303,313,323,423	Photography 1,2,3,4	3,3,3,3
ART 304	Depiction	3
ART 305	Animation + Video	3
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
ART 317-SJD*	American Art and Visual Culture	3
ART 318,328	Graphic Design 2,3	3,3
ART 319-SJD*	World History of Photography	3
ART 320-SJD*	Race, Gen & Sexuality in Cont Art	3
ART 321*	Art of Asia	3
ART 322,332,342	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 CORE 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	3
TI ____	Texts and Ideas	3
WB ____	Well-Being	1
	TOTAL	***24***

COURSES REQUIRED FOR THE COMPUTER SCIENCE MAJOR:

CS 151	Foundations of Computing 1	3
CS 248	Object-Oriented Prog & Data Structures	5
CS 252	Foundations of Computing 2	3
CS 311	Vocational Exploration in Computer Science	1
CS 321	Computer Organization	3

CS 333	Database Systems	3
CS 341	Advanced Data Structures	3
CS 351	Algorithms	3
CS 382/3	Epics 2 Service Learning	2-3
CS 452	Parallel Algorithm Design and Programming	3
CS 485	Computer Ethics	1
MA 106*	Calculus and Anal Geometry 1	4
MA 107	Calculus and Anal Geometry 2	4
MA 310	Linear Algebra	3
SE 361	Introduction to Software Engineering	3
CS/SE _____	400-level CS/SE Topics Course	3
ONE Course numbered CS 440-459		3
ONE Course numbered CS 430-439 or SE 460 and higher		3
Language	6 hours of the same language at the 200-level or higher	
	TOTAL	***59-60***

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.