

## BUTLER UNIVERSITY • DEPARTMENT OF ART

### B.A. IN ART + DESIGN *PLUS* A SECONDARY MAJOR IN CHEMISTRY

- 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 Chemistry will fulfill the following Areas of Inquiry in the University Core Curriculum: Perspectives of the Creative Arts, The Natural World, 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 Chemistry 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
WB ____	Well-Being	1
CH 105*	General Chemistry 1	4
Language Elective		3

#### Semester 2

ART 205	Art History Survey 2	3
ART 210	Professional Practices	3
FYS 102	First Year Seminar	3
CH 106*	General Chemistry 2	4
CH 190	Modern Issues in Chemistry	1
Language Elective		3

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

TOTAL Credit Hours: 17 17

*\*Students who received a score of 4 or 5 on the AP Chemistry test should register for CH 107. Students without AP credit should take the on-line placement test prior to enrolling in CH 105/106; an especially strong background in high school chemistry might also suggest taking CH 107.*

#### Semester 3

ART 308	Graphic Design 1	3
ART ____	Art Elective	3
CH 351	Organic Chemistry 1	4
MA 106**	Calculus & Anal. Geo 1	4
PH 107/201	Elementary/Analy Physics 1	4-5

#### Semester 4

ART ____	Art Elective	3
CH 352	Organic Chemistry 2	4
MA 107	Calculus & Anal Geo 2	4
PH 108/202	Elementary/Analy Physics 2	4-5

TOTAL Credit Hours: 18-19 15-16

*\*\*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.*

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**Semester 5**

ART ____	Art Elective	3
ART ____	Art Elective	3
CH 321	Analytical Chem 1	4
CH 361	Introduction to Biochemistry	3
TOTAL Credit Hours:		13

**Semester 6**

ART ____	Art Elective	3
ART ____	Art Elective	3
GHS ____	Global and Historical Studies	3
CH ____	400-level CH Lecture Elective	3-5
CH ____	400-level CH Lab Elective	3
TOTAL Credit Hours:		15-17

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**Semester 7**

ART 453-ICR	Internship	3
GHS ____	Global and Historical Studies	3
SW ____	The Social World	3
CH 371	Physical Chemistry 1	3
CH ____	Topics Elective	3
TOTAL Credit Hours:		15

**Semester 8**

ART 411	Thesis	3
ART ____	Art Elective	3
TI ____	Texts and Ideas	3
CH 331	Inorganic Chemistry	3
TOTAL Credit Hours:		12

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## 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	
<b>TOTAL</b>			<b>42</b>

### **UNIVERSITY CORE CURRICULUM:**

FYS 101,102	First Year Seminar	3,3	
GHS ____	Global and Historical Studies	3,3	
SW ____	The Social World	3	
TI ____	Texts and Ideas	3	
WB ____	Well-Being	1	
<b>TOTAL</b>			<b>19</b>

### **COURSES REQUIRED FOR THE CHEMISTRY MAJOR:**

CH 105*,106*	General Chemistry 1,2	4,4	
CH 190	Modern Issues in Chemistry	1	
CH 321	Analytical Chemistry 1	4	
CH 331	Inorganic Chemistry	3	
CH 351	Organic Chemistry 1	4	
CH 352	Organic Chemistry 2	4	

CH 361	Introduction to Biochemistry	3
CH 371	Physical Chemistry 1	3
ONE Topics course, chosen from:		3
CH 408	Chemistry in Our Lives	
CH 418	Chemistry Issues in the Global Modern World	
ONE 400-level CH Lecture course, chosen from		3-5
CH 422	Analytical Chemistry 2	
CH 425	Environmental Chemistry	
CH 431	Inorganic Chemistry 2	
CH 451	Advanced Organic Chemistry	
CH 462/464	Biochemistry 2/with lab	
CH 472	Physical Chemistry 2	
CH 4X9	Special Topics in Chemistry	
ONE 400-level CH Laboratory course, chosen from		3
CH 424	Instrumental Analysis Laboratory	
CH 433	Inorganic Chemistry Laboratory	
CH 453	Advanced Organic Chemistry Laboratory	
CH 463	Biochemistry Laboratory 2	
CH 473	Physical Chemistry Laboratory	
MA 106**	Calculus and Anal Geometry 1	4
MA 107	Calculus and Anal Geometry 2	4
ONE of the following:		8-10
PH 107,108	Elementary Physics 1, 2 (4,4)	
PH 201,202	Introduction to Analytical Physics 1,2 (5,5)	
Language	6 hours of the same language at the 200-level or higher	
	<b>TOTAL</b>	<b>61-65</b>

*\*Students who received a score of 4 or 5 on the AP Chemistry test should register for CH 107. Students without AP credit should take the on-line placement test prior to enrolling in CH 105/106; an especially strong background in high school chemistry might also suggest taking CH 107.*

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