BUTLER UNIVERSITY • DEPARTMENT OF ART

B.A. IN ART + DESIGN *PLUS* A SECONDARY MAJOR IN BIOCHEMISTRY

• 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 Biochemistry 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 Biochemistry advisor in addition to their Art advisor.

Semester 1			***Semester 2***		
ART 105	Art History Survey 1	3	ART 205	Art History Survey 2	3
ART 107	Drawing 1	3	ART 210	Professional Practices	3
FYS 101	First Year Seminar	3	FYS 102	First Year Seminar	3
WB ____	Well-Being	1			
CH 105*	General Chemistry 1	4	CH 106*	General Chemistry 2	4
Language Elective		3	CH 160	Modern Issues in Biochem	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			***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
BI 210	Genetics – Fundamentals	4	BI 220	Cell & Mol Biology – Fund	4
CH 351	Organic Chemistry 1	4	CH 352	Organic Chemistry 2	4
TOTAL Credit Hours:		17			17

Semester 5			***Semester 6***		
ART ____	Art Elective	3	ART ____	Art Elective	3
ART ____	Art Elective	3	ART ____	Art Elective	3
CH ____	400-level Laboratory Elective	3	CH 321	Analytical Chemistry 1	4
MA 106**	Calculus & Anal. Geo. 1	4	CH 361	Introduction to Biochemistry	3
TOTAL Credit Hours:		14			12

***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***		
ART 453-ICR	Internship	3	ART 411	Thesis	3
SW ____	The Social World	3	TI ____	Texts and Ideas	3
CH 362	Biochemistry 1	3	CH 462	Biochemistry 2	3
CH 363	Biochemistry Laboratory 1	2	CH 464	Exp Learning in Macro Struct	2
CH ____	Elective	3	BI/CH ____	Elective	3
TOTAL Credit Hours:		14			14

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
SW ____	The Social World	3
TI ____	Texts and Ideas	3
WB ____	Well-Being	1
	TOTAL	***19***

COURSES REQUIRED FOR THE BIOCHEMISTRY MAJOR:

BI 210	Genetics – Fundamentals	4
BI 220	Cell & Molecular Biology – Fundamentals	4
CH 105*,106*	General Chemistry 1,2	4,4
CH 160	Modern Issues in Biochemistry	1
CH 321	Analytical Chemistry 1	4
CH 351	Organic Chemistry 1	4

CH 352	Organic Chemistry 2	4
CH 361	Introduction to Biochemistry	3
CH 362	Biochemistry 1	3
CH 363	Biochemistry Laboratory 1	2
CH 462	Biochemistry 2	3
CH 464	Exp Learning in Macromolecular Structure	2
MA 106**	Calculus and Anal Geometry 1	4
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	
CHOOSE at least 3 credits of CH and another 3 credits of CH or BI, chosen from:		6
Note that some courses have additional prerequisites		
BI 323	Principles of Immunology	2
BI 325	Principles of Pathogenic Microbiology	3
BI 411	Principles of Physiology	4
BI 432	Plant Physiology	4
BI 433	Advanced Cell Biology	4
BI 434	Transmission Genetics	4
BI 435	Molecular Genetics	4
BI 436	Genomics, Bioinfo & Gene Evol	4
BI 438	Microbiology	4
BI 440	Molecular Virology	4
BI 460/NS 460	Cell & Molecular Neurobiology	3-4
CH 331	Inorganic Chemistry	3
CH 371	Physical Chemistry 1	3
CH 408/418	Chem in Our Lives/Chem Issues	3
CH 422	Analytical Chemistry 2	3
CH 425	Environmental Chemistry	3
CH 431	Inorganic Chemistry 2	3
CH 451	Advanced Organic Chemistry	3
CH 472	Physical Chemistry 2	3
CH 4X9	Special Topics in Chemistry	3
Language	6 hours of the same language at the 200-level or higher	
	TOTAL	***61***

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