

BUTLER UNIVERSITY • DEPARTMENT OF ART

DUAL DEGREE: B.A. IN ART + DESIGN (from Butler University) PLUS B.S. IN COMPUTER ENGINEERING (from Purdue University)

- Engineering contact: Jessica McCormick, 317-940-9021, jrmccorm@butler.edu
- The B.A. degree in Art + Design requires 126 hours, of which 40 hours must be 300 or 400-level courses.
- The Dual Degree of Art + Design and Computer Engineering will fulfill the following Areas of Inquiry in the Butler University Core Curriculum: Perspectives of the Creative Arts, The Natural World, and Analytical Reasoning. In addition, the Dual Degree curriculum fulfills the Writing Across the Curriculum and Speaking Across the Curriculum requirements of the Butler University Core Curriculum; art majors are exempted from the Butler Cultural Requirement because of the performance attendance requirements for all JCA majors. The Indianapolis Community Requirement is NOT satisfied.

Semester 1

ART 105	Art History Survey 1	3
ART 107	Drawing 1	3
FYS 101	First Year Seminar	3
PWB__	Physical Well Being	1
CH 105	General Chemistry 1	5
DD 190	Elementary Engr Design	3

Semester 2

ART 205	Art History Survey 2	3
ART 210	Professional Practices	3
JC 100-01	Arts Event Attendance (P/F)	0
FYS 102	First Year Seminar	3
CH 106	General Chemistry 2	5
MA 106**	Calculus & Anal. Geo. 1	4

***Math placement test required. There is the possibility that the student will need to take MA 101 (Algebra, 3 cr.) and/or MA 102 (Precalculus, 3 cr.) prior to MA 106 and MA 107.*

TOTAL Credit Hours:	18	18
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Semester 3

ART 322	Painting 1	3
ART ____	Art Elective	3
CS 142	Intro to Comp Sc & Prog	3
MA 107	Calculus & Anal Geo. 2	4
PH 201	Intro to Anal. Physics 1	5

Semester 4

ART 308	Graphic Design 1	3
ART ____	Art Elective	3
JC 200-01	Arts Event Attendance (P/F)	0
TI ____	Texts and Ideas	3
MA 208	Calculus & Anal. Geo. 3	4
PH 202	Intro to Anal. Physics 2	5

TOTAL Credit Hours:	18	18
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Semester 5

ART ____	Art Elective	3
SW 220-EC	The Economy and Society	3
COM 101	Rhetoric & the Amer Dem Tra	3
DD 297	MATLAB	1
MA 215	Linear Algebra	3
PH 351-W	Analog Electronics	4
TOTAL Credit Hours:		17

Semester 6

ART ____	Art Elective	3
JC 300-01	Arts Event Attendance (P/F)	0
GHS ____	Global and Historical Studies	3
ECE 21000	Sophomore Seminar	1
ECE 26400	Advanced Computer Progr	3
ECE 28200	Unix Programming for Eng	1
MA 334	Differential Equations	3
TCM 25000	Career Planning for Engineers	1
TCM 36000-W/C	Comm in Engineering Prac	2
TOTAL Credit Hours:		17

Semester 7

GHS ____	Global and Historical Studies	3
CSCI 24000	Advanced Programming	4
CSCI 34000	Discrete Mathematics	3
ECE 20200	Circuit Analysis 2	3
ECE 27000	Digital Logic Design	4
TOTAL Credit Hours:		17

Semester 8

ART 411-C	Thesis	3
CSCI 36200	Data Structures	3
ECE 30100	Signals and Systems	3
ECE 30200	Probabilistic Methods	3
ECE 36200	Microprocessors Sys & Inter	4
TOTAL Credit Hours:		16

Semester 9

ART 453	Internship	3
ECE 36500	Intro to Design of Dig Comp	3
ECE 40100	Engineering Ethics	1
ECE 48700	Senior Design 1	1
CmpE Electives		6
Advanced CmpE Electives		3
TOTAL Credit Hours:		17

Semester 10

ART ____	Art Elective	3
ART ____	Art Elective	3
ENGR 20010	Engineering Internship	1
ECE 40800	Operating Systems	3
ECE 48800	Senior Design 2	2
CmpE Electives		3
Advanced CmpE Electives		3
TOTAL Credit Hours:		18

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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 322	Painting 1	3
ART 411-C	Thesis	3
ART 451, 452, 453	Internship: Art + Design	3
JC 100,200, 300, 400	Arts Event Attendance (P/F)	0
ART Electives, chosen from:		18
ART 207, 307	Drawing 2, 3	3
ART 303/313/323	Photography 1, 2, 3	3
ART 304	Depiction	3
ART 305	Animation and Video	3
ART 306	Interactive	3
ART 311	Function	3
ART 312	Design: His 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	Amer Art & Visual Culture	3
ART 318, 328	Graphic Design 2, 3	3
ART 319	World Hist of Photography	3
ART 320	Race, Gender, & Sexuality	3
ART 332, 342	Painting 2, 3	3
ART 360	Sculpture	3
ART 380, 381, 382	Special Topics in Art + Des	1, 2, 3
ART 401, 402, 403	Ind Study: Art + Design	1, 2, 3
ART 499	Honors Thesis	3
TOTAL		42

BUTLER UNIVERSITY CORE CURRICULUM:

FYS 101, 102	First Year Seminar	3, 3
GHS ____	Global & Historical Studies	3, 3
TI ____	Texts and Ideas	3
PWB ____	Physical Well Being/Marching Band	1
TOTAL		16

COURSES REQUIRED FOR THE COMPUTER ENGINEERING DEGREE:

CH 105	General Chemistry 1	5
CH 106	General Chemistry 2	5
COM 101	Rhetoric & the Amer Dem Tradition	3
CS 142	Intro to Computer Sci & Prog	3
CSCI 24000	Advanced Programming	4
CSCI 34000	Discrete Mathematics	3
CSCI 36200	Data Structures	3
CompEng Electives		9
Advanced CompEng Electives		6
DD 190	Elementary Engineering Design	3

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DD 297	MATLAB	1
ECE 20200	Circuit Analysis 2	3
ECE 21000	Sophomore Seminar	1
ECE 26400	Advanced Computer Programming	3
ECE 27000	Digital Logic Design	4
ECE 28200	Unix Programming for Engineering	1
ECE 30100	Signals and Systems	3
ECE 30200	Probabilistic Methods	3
ECE 36200	Microprocessors Sys & Interface	4
ECE 36500	Intro to Design of Digital Computers	3
ECE 40100	Engineering Ethics	1
ECE 40800	Operating Systems	3
ECE 48700	Senior Design 1	1
ECE 48800	Senior Design 2	2
ENGR 20010	Engineering Internship	1
MA 106*	Calculus & Anal Geometry 1	4
MA 107*	Calculus & Anal Geometry 2	4
MA 208	Calculus & Anal Geometry 3	4
MA 215	Linear Algebra	3
MA 334	Differential Equations	3
PH 201	Intro to Analytical Physics 1	5
PH 202	Intro to Analytical Physics 2	5
PH 351-W	Analog Electronics	4
SW 220-EC	The Economy and Society	3
TCM 250	Career Planning for Engineers	1
TCM 360-W+C	Comm in Engineering Practice	2

TOTAL

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**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.*