BUTLER UNIVERSITY • DEPARTMENT OF ART

DUAL DEGREE: B.A. IN ART + DESIGN (from Butler University) *PLUS* B.S. IN MECHANICAL 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 Mechanical 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			***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
			JC 100-01	Arts Event Attendance (P/F)	0
FYS 101	First Year Seminar	3	FYS 102	First Year Seminar	3
PWB___	Physical Well Being	1			
CH 105	General Chemistry 1	5	CH 106	General Chemistry 2	5
DD 190	Elementary Engr Design	3	MA 106**	Calculus & Anal. Geo. 1	4
TOTAL Credit Hours:		18			18

***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.*

Semester 3			***Semester 4***		
ART 322	Painting 1	3	ART 308	Graphic Design 1	3
ART ___	Art Elective	3	ART ___	Art Elective	3
			JC 200-01	Arts Event Attendance (P/F)	0
			TI ____	Texts and Ideas	3
CS 142	Intro to Comp Sc & Prog	3	MA 208	Calculus & Anal. Geo. 3	4
MA 107	Calculus & Anal Geo. 2	4	PH 202	Intro to Anal. Physics 2	5
PH 201	Intro to Anal. Physics 1	5			
TOTAL Credit Hours:		18			18

BUTLER UNIVERSITY • DEPARTMENT OF ART

Semester 5			*Semester 6*		
ART ___	Art Elective	3	ART ___	Art Elective	3
			JC 300-01	Arts Event Attendance (P/F)	0
SW 220-EC	The Economy and Society	3	GHS ___	Global and Historical Studies	3
COM 101	Rhetoric & the Amer Dem Tra	3	MA 334	Differential Equations	3
DD 297	MATLAB	1	ME 20000	Thermodynamics	3
MA 215	Linear Algebra	3	ME 27000	Basic Mechanics 1	3
ME 22501	Mechanical Engineer Lab 1	1	ME 25001	Mechanical Engineer Lab 2	1
PH 351-W	Analog Electronics	4	TCM 360-W/C	Comm in Engineering Prac	2
TOTAL Credit Hours:		18			18

Semester 7			*Semester 8*		
ART ___	Art Elective	3	ART 411-C	Thesis	3
			GHS ___	Global and Historical Studies	3
MA 360	Probability Theory 1	3	ME 26200	Engr Design, Ethics & Entre	2
ME 27200	Mechanics of Materials	3	ME 31000	Fluid Mechanics	3
ME 27400	Basic Mechanics 2	3	ME 34000	Dynamic Systems & Meas	2
ME 32501	Mechanical Engineer Lab 3	1	ME 34400	Intro to Eng Materials	3
ME 33000	Modeling & Analy of Dyn Sys	3	ME 35001	Mechanical Engineer Lab 4	1
TCM 250	Career Planning for Engineers	1			
TOTAL Credit Hours:		17			17

Semester 9			*Semester 10*		
ART 453	Internship	3	ART ___	Art Elective	3
MA 37200	Design of Mechanisms	3	ENGR 20010	Engineering Internship	1
ME 31400	Heat and Mass Transfer	3	ME 49700	Design, Standards & Cont Iss	1
ME 42501	Mechanical Engineer Lab 5	1	ME 46200	Capstone Design	3
ME 41400/45310	Therm-Fl/Machine Design	3	ME 48200	Control Systems	3
ME ____	ME Elective	3	ME ____	ME Elective	3
			ME ___	ME Elective	3
TOTAL Credit Hours:		16			17

BUTLER UNIVERSITY • DEPARTMENT OF ART

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 MECHANICAL 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
DD 190	Elementary Engineering Design	3
DD 297	MATLAB	1
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
MA 360	Probability Theory 1	3
ME 20000	Thermodynamics	3
ME 26200	Engr Design, Ethics & Entrepren	3
ME 27000	Basic Mechanics 1	3
ME 27200	Mechanics of Materials	3
ME 27400	Basic Mechanics 2	3
ME 31000	Fluid Mechanics	4
ME 31400	Heat and Mass Transfer	4
ME 33000	Modeling & Analysis of Dyn Sys	3
ME 34000	Dynamic Systems & Measure	3
ME 34400	Intro to Engineering Materials	3
ME 35000	Mechanical Engineering Lab	1
ME 37200	Mechanical Design 2	3
ME 40500	Seminar & Fund of Engr Review	1
ME 46200	Capstone Design	3
ME 48200	Control Systems	3
ME 41400/49700	Therm-Fl Sys Des/Machine Des	3
ME Electives		9
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	***117***

**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.*