

## BUTLER UNIVERSITY • DEPARTMENT OF ART

### B.A. IN ART + DESIGN *PLUS* A SECONDARY MAJOR IN ACTUARIAL 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 Actuarial 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 an Actuarial 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
WB ____	Well-Being	1
MA 106*	Calculus & Anal. Geo. 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
MA 107	Calculus & Anal. Geo. 2	4
MS 100	Business Appl with Excel	2
Language Elective		3

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

TOTAL Credit Hours:	17	18
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*\*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 3**

ART 308	Graphic Design 1	3
ART ____	Art Elective	3
AC 203	Introduction to Accounting	3
MA 208	Calculus & Anal. Geo. 3	4
MA 360	Probability Theory 1	3

#### **Semester 4**

ART ____	Art Elective	3
ART ____	Art Elective	3
GHS ____	Global and Historical Studies	3
MA 361	Statistical Theory	3
MA 363	Probability Theory 2	3

TOTAL Credit Hours:	19	18
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**Semester 5**

ART ____	Art Elective	3
ART ____	Art Elective	3
GHS ____	Global and Historical Studies	3
EC 231	Principles of Microeconomics	3
MA 395	Financial Mathematics	4
MS 265	Information Technology	3

TOTAL Credit Hours: 19

**Semester 6**

ART ____	Art Elective	3
ART ____	Art Elective	3
TI ____	Texts and Ideas	3
EC 232	Principles of Macroeconomics	3
MA 310	Linear Algebra	3
MA 397	Actuarial Mathematics 1	3

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**Semester 7**

ART 453-ICR	Internship	3
NW ____	The Natural World	5
CS 142	Intro to Comp Sc & Program	3
MA 362	Linear Regression & Time Ser	3
MA 398	Actuarial Mathematics 2	3

TOTAL Credit Hours: 17

**Semester 8**

ART 411	Thesis	3
SW ____	The Social World (if needed <sup>1</sup> )	3
FN 340	Corporate Finance	3
MA 372	Loss Models	3
MA 399	Financial Derivatives	3
MA 495	Math for Invest & Fin Markets	1

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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

**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 (if needed <sup>1</sup> )	3
TI ____	Texts and Ideas	3
WB ____	Well-Being	1

**TOTAL 24**

### **COURSES REQUIRED FOR THE ACTUARIAL SCIENCE MAJOR:**

MA 106*	Calculus & Anal Geometry 1	4
MA 107	Calculus & Anal Geometry 2	4
MA 208	Calculus & Anal Geometry 3	4
MA 310	Linear Algebra	3
MA 360	Probability Theory 1	3
MA 361	Statistical Theory	3

MA 362	Linear Regression and Time Series	3
MA 363	Probability Theory 2	3
MA 372	Loss Models	3
MA 395	Financial Mathematics	4
MA 397	Actuarial Mathematics 1	3
MA 398	Actuarial Mathematics 2	3
MA 399	Financial Derivatives	3
Language	6 hours of the same language at the 200-level or higher	
<b>TOTAL</b>		<b>49</b>

*\*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.*

***Additional Recommended Courses for the Actuarial Science major (included in the plan above):***

AC 203	Introduction to Accounting	3
CS 142	Intro to Comp Sc & Programming	3
EC 231	Principles of Microeconomics	3
EC 232	Principles of Macroeconomics	3
FN 340	Corporate Finance	3
MA 495	Math for Investments & Financial Markets	1
MS 100	Business Applications with Excel	2
MS 265	Information Technology	3
<b>TOTAL</b>		<b>21</b>

<sup>1</sup>*NOTE: The Social World requirement of the University Core Curriculum is fulfilled by nine credits of business courses.*

In addition, Actuarial Science majors are strongly encouraged to pass the CAS/SOA Exams P (probability) and FM (mathematics of finance), and obtain a summer internship while still an undergraduate.