

# B.S. Computer Animation & Game Development Animation Production - Animation

## Four-Year Degree Plan

2021 - 2022 University Catalog

Total Units 120

CAGD Major Animation Production Opt	Units	GE & Electives	Units
Lower Division Core (LD)	12	General Education	48
Upper Division Core (UD)	9	Electives	6
Animation Production Core (AP)	18	Other	
Animation Grouping Selections (Animati	15		
Interdisciplinary (IP)	15	Double Counted	-3
Major Total Units	69	Other Total Units	51

Fall 2021				Spring 2022			
	Uni	CAGD	GE <sup>1</sup>		Uni	CAGD	GE <sup>1</sup>
CAGD 110	3	LD	C1	CAGD 117	3	AP	
CAGD 112	3	LD		CAGD 180	3	LD	
GE E	3		E	POLS 155	3		US Gov
GE A3	3		A3	GE A1	3		A1
GE B4	3		B4	GE A2	3		A2
Semester Total				Semester Total			
15				15			
Intersession 2022				Summer 2022			
Intersession Total				Summer Total			
0				0			
Fall 2022				Spring 2023			
CAGD 230	3	LD		CAGD 250	3	AP	
CAGD 240	3	AP		CAGD 320	3	UD	
ARTS 125	3	IP		ARTS 126	3	IP	
GE D	3		D	GE B1	3		B1
HIST 130	3		HIST	GE C2	3		C2
Semester Total				Semester Total			
15				15			
Intersession 2023				Summer 2023			
Intersession Total				Summer Total			
0				0			
Fall 2023				Spring 2024			
CAGD 325	3	Animation		CAGD 374	3	Animation	
CAGD 340	3	Animation		CAGD 432	3	Animation	
CAGD 345	3	AP	GW W	ARTS 326	3	IP	
THEA 112	3	IP		GE B2	3		B2
GE F	3		F	UD NS	3		UD NS
Semester Total				Semester Total			
15				15			
Intersession 2024				Summer 2024			
Intersession Total				Summer Total			
0				0			
Fall 2024				Spring 2025			
CAGD 441	3	Animation		CAGD 493	3	AP	
CAGD 495	3	UD		CAGD 495	3	AP	
ARTS 426	3	IP		CAGD 489	3	UD	
Elective	3	Elect		Elective	3	Elect	
UD AH	3		UD AH	UD SS	3		UD SS
Semester Total				Semester Total			
15				15			
Intersession 2025				Summer 2025			
Intersession Total				Summer Total			
0				0			

<sup>1</sup>General Education refer to GE planning sheet; one USD and one GC course needed to meet GE Diversity requirements.

### Computer Animation & Game Development Core

Course	Description	Units
CAGD Core (8 courses)		21
CAGD 110	Computer-Assisted Art I	3
CAGD 112	Digital Photography	3
CAGD 180	Scripting and Programming for Comp	3
CAGD 230	Digital Modeling	3
CAGD 320	Digital Texturing	3
CAGD 495	Advanced Production	3
CAGD 489/499	Internship or Special Prob	3
Total CAGD Core		21

### Animation Production Option Animation Grouping

Course	Description	Units
Required Courses (6 courses)		18
CAGD 117	Concept Design and Storyboarding	3
CAGD 240	Digital Animation	3
CAGD 250	Intro Technical CGI	3
CAGD 345W	Advanced Animation Pre-Production	3
CAGD 493	Senior Portfolio	3
CAGD 495	Advanced Production	3
Animation Grouping Technical Selections (5 courses)		15
CAGD 325	Motion Capture	3
CAGD 340	Computer Animation	3
CAGD 374W	Interactive Storytelling for Video Gam	3
CAGD 432	3-D Character Rigging	3
CAGD 441	3-D Character Animation	3
Total Animation Production Option Animation Grouping		33

### Interdisciplinary Program Selections

Course	Description	Units
IP Courses Selections (5 courses)		15
ARTH 110	Art History Survey: Prehistory to Med	3
ARTH 120	Art History Survey: Renaissance to 11	3
ARTH 130	Art History Survey: 1800 to the Prese	3
ARTS 122	2D Design	3
ARTS 123	3D Design	3
ARTS 125	Basic Drawing	3
ARTS 126	Basic Life Drawing	3
ARTS 227	Introduction to Painting	3
ARTS 260	Introduction to Ceramics	3
ARTS 325	Intermediate Drawing	3
ARTS 326	Intermediate Life Drawing	3
ARTS 425	Advanced Drawing	3
ARTS 426	Advanced Life Drawing	3
CSCI 111	Programming and Algorithms I	4
CSCI 211	Programming and Algorithms II	4
MATH 217	Discrete Math	3
CSCI 311	Algorithms and Data Structures	4
CSCI 430	Software Engineering	3
CSCI 566	Computer Graphics Programming	3
CSCI 567	Mobile Application Development	3
CSCI 580	Artificial Intelligence	3
MADT 103W	Writing for Screen Media (W)	3
MADT 141	Media Aesthetics	3
MADT 216	Introduction to Digital Audio in Media	3
MADT 222	Basic Web Design	3
MADT 261	Foundations of Electronic Media	3
MADT 266	Field Video Production	3
MADT 283	Digital Fundamentals	3
MADT 314	Rich Internet Media Design I	3
MADT 322	Advanced Web Design	3
MADT 433	Human Factors	3
MADT 466	Studio Video Production	3
MADT 468	Video Production Workshop	3
THEA 112	Acting and Social Wellness	3
Total Interdisciplinary Electives Units		15

### B.S. Computer Animation & Game Development Animation Production - Animation

Unit Summary	
CAGD Core Requirements	21
Animation Production Option Anim:	18
Animation Grouping Selections	15
Interdisciplinary	15
Foundation General Education	18
Lower Division General Education	15
Upper Division General Education	9
American Institutions	6
Double Counted CAGD 110 GE C1	-3
Electives	6
Total Degree	120

Animation  
Animation

Animation

Animation

Animation