

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

## Five-Semester Transfer Degree Plan

Fall Start - all Lower-Division GE and IP completed

2022 - 2023 University Catalog

Total Units 78

CAGD Major Animation Production Opt	Units	GE & Electives	Units
Lower Division Core (LD)	12	General Education	12
Upper Division Core (UD)	9	Electives	0
Animation Production Core (AP)	18	Other	
CGI Grouping (CGI)	15		
Interdisciplinary (IP)	15	Double Counted	-3
Major Total Units	69	Other Total Units	9

Fall 2021				Spring 2022			
Course	Units	CAGD	GE <sup>1</sup>	Course	Units	CAGD	GE <sup>1</sup>
ARTS 125 Basic Drawing	3	IP					
ARTS 126 Basic Life Drawing	3	IP					
IP 3 Interdisciplinary Program Selection	3	IP					
IP 4 Interdisciplinary Program Selection	3	IP					
IP 5 Interdisciplinary Program Selection	3	IP					
Semester Total		15		Semester Total		0	
Intersession 2022				Summer 2022			
Intersession Total		0		Summer Total		0	
Fall 2022				Spring 2023			
CAGD 110 Computer-Assisted Art I	3	LD	C1	CAGD 240 Digital Animation	3	AP	
CAGD 112 Digital Photography	3	LD		CAGD 250 Intro Technical CGI	3	AP	
CAGD 117 Concept Design and Storyboarding	3	AP		CAGD 320 Digital Texturing	3	UD	
CAGD 180 Scripting and Programming for Computer	3	LD					
CAGD 230 Digital Modeling	3	LD					
				UD AH UD Arts & Humanities	3		UD AH
Semester Total		15		Semester Total		12	
Intersession 2023				Summer 2023			
Intersession Total		0		Summer Total		0	
Fall 2023				Spring 2024			
CAGD 330 3-D Computer Modeling	3	CGI		CAGD 331 3-D Character Modeling	3	CGI	
CAGD 373 Game Asset Production	3	CGI		CAGD 350 3D Scanning	3	CGI	
CAGD 345 Advanced Animation Pre-Production and	3	AP	GW W	CAGD 495 Advanced Production	3	AP	
UD NS UD Science	3		UD NS	UD SS UD Social Sciences	3		UD SS
Semester Total		12		Semester Total		12	
Intersession 2024				Summer 2024			
Intersession Total		0		Summer Total		0	
Fall 2024				Spring 2025			
CAGD 420 Digital Lighting and Texturing	3	CGI					
CAGD 495 Advanced Production	3	UD					
CAGD 493 Senior Portfolio	3	AP					
CAGD 489 Internship or Special Prob	3	UD					
Semester Total		12		Semester Total		0	
Intersession 2025				Summer 2025			
Intersession Total		0		Summer Total		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

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

Unit Summary	
CAGD Core Requirements	21
Animation Production Option CGI C	18
CGI Grouping	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
<b>Total Degree</b>	<b>120</b>

### Animation Production Option CGI 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
CGI Grouping Technical Selections (5 courses)		15
CAGD 330	3-D Computer Modeling	3
CAGD 331	3-D Character Modeling	3
CAGD 350	3D Scanning	3
CAGD 373	Game Asset Production	3
CAGD 420	Digital Lighting and Texturing	3
Total Animation Production Option CGI Grouping		33

### Interdisciplinary Program Selections

Course	Description	Units
IP Courses Selections (5 courses)		15
ARTH 110	Art History Survey: Prehistory to Medi	3
ARTH 120	Art History Survey: Renaissance to 14	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

Fall 2021 Fall 2021 Fall 2021

Fall 2021 CGI  
Fall 2021 CGI