

B.S. Computer Animation & Game Development Game Development

Five-Semester Transfer Degree Plan

Fall Start - all Lower-Division GE and IP completed

2022 - 2023 University Catalog

Total Units 78

CAGD Major Game Development Option	Units	GE & Electives	Units
Lower Division Core (LD)	12	General Education	12
Upper Division Core (UD)	9	Electives	0
Game Development Core (GD)	30	Other	
Game Selections (GD Select)	3		
Interdisciplinary (IP)	15	Double Counted	-3
Major Total Units	69	Other Total Units	9

Fall 2021				Spring 2022			
	Uni	CAGD	GE ¹		Uni	CAGD	GE ¹
IP 1	Interdisciplinary Program Selection	3	IP				
IP 2	Interdisciplinary Program Selection	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 270	Level Design	3	GD
CAGD 112	Digital Photography	3	LD	CAGD 280	Intro to Game Scripting	3	GD
CAGD 170	Video Game Design	3	GD	CAGD 320	Digital Texturing	3	UD
CAGD 180	Scripting and Programming for Computers	3	LD	CAGD 370	Video Game Development	3	GD
CAGD 230	Digital Modeling	3	LD				
Semester Total		15		Semester Total		12	
Intersession 2023				Summer 2023			
Intersession Total		0		Summer Total		0	
Fall 2023				Spring 2024			
CAGD 350	3D Scanning	3	GD	CAGD 373	Game Asset Production	3	GD
CAGD 375	Video Game Pre-Production	3	GD GW W	CAGD 374	Interactive Storytelling for Video Games	3	GD
Game Select	Game Dev Selection	3	GD Select	CAGD 377	Mobile Game Development	3	GD
UD SS	UD Social Sciences	3	UD SS	UD NS	UD Science	3	UD NS
Semester Total		12		Semester Total		12	
Intersession 2024				Summer 2024			
Intersession Total		0		Summer Total		0	
Fall 2024				Spring 2025			
CAGD 470	Video Game Production	3	GD				
CAGD 495	Advanced Production	3	UD				
CAGD 489	Internship or Special Prob	3	UD				
UD AH	UD Arts & Humanities	3	UD AH				
Semester Total		12		Semester Total		0	
Intersession 2025				Summer 2025			
Intersession Total		0		Summer Total		0	

¹General 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

Fall 2022
Fall 2022
Fall 2022
Fall 2022
Spring 2023
Fall 2024
Fall 2024

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Unit Summary	
CAGD Core Requirements	21
Game Development Option	30
Game Selections	3
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

Game Development Option

Course	Description	Units
Required Courses (10 courses)		30
CAGD 170	Video Game Design	3
CAGD 270	Level Design	3
CAGD 280	Intro to Game Scripting	3
CAGD 350	3D Scanning	3
CAGD 370	Video Game Development	3
CAGD 373	Game Asset Production	3
CAGD 374W	Interactive Storytelling for Video Gam	3
CAGD 375W	Video Game Pre-Production	3
CAGD 377	Mobile Game Development	3
CAGD 470	Video Game Production	3
Game Development Technical Selections (3 units)		3
CAGD 325	Motion Capture	3
CAGD 330	3-D Computer Modeling	3
CAGD 358	Emerging Technologies in Media and	3
CAGD 380	Game Scripting	3
CAGD 495	Advanced Production	3
Total Game Development Option		33

Fall 2022
Spring 2023
Spring 2023
Fall 2023
Spring 2023
Spring 2024
Spring 2024
Fall 2023
Spring 2024
Fall 2024
Fall 2024

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 Fall 2021