

**B.S. Applied Computer Graphics
Technical Option with Art Studio Program**

Four-Year Degree Plan
2009 - 2011 University Catalog

Total Units
120

APCG Major Technical Option	Units	GE & Electives	Units
Core Lower & Upper Division (LD/UD)	30	General Education	54
Technical Option (Tech)	24	Electives	0
Art Studio (AS)	15	Double Counted	-3
Major Total Units	69	Other Total Units	51

First Semester				Second Semester			
	Units	Notes ¹			Units	Notes ¹	
APCG 110	Computer-Assisted Art I	3	LD C1	APCG 117	Concept Design & Storyboarding	3	LD
APCG 112	Digital Photography	3	LD	ARTS 125	Basic Drawing	3	AS
ENGL 130	Academic Writing	3	A2	GE D	Behavioral and Social Sciences	3	D
GE A4	Mathematics	3	A4	GE E	Lifelong Learning	3	E
GE A13	Oral Communication or Critical Thinking	3	A1/A3	GE A13	Oral Communication or Critical Thinking	3	A1/A3
Semester Total		15		Semester Total		15	
Third Semester				Fourth Semester			
APCG 240	2-D Digital Animation	3	LD	APCG 330	3-D Computer Modeling	3	UD
CSCI 111	Programming and Algorithms I	4	Tech	CSCI 211	Programming & Algorithms II	4	Tech
ARTS 126	Basic Drawing	3	AS	ARTS Hist	Art History Survey ARTH 101 or 102	3	AS
GE B	Physical Universe or Life Forms	3	B	GE B	Physical Universe or Life Forms	3	B
GE D	Behavioral and Social Sciences	3	D	GE C23	Arts and Humanities	3	C2/C3
Semester Total		15		Semester Total		15	
Fifth Semester				Sixth Semester			
APCG 331	3-D Character Modeling	3	UD	APCG 340	Computer Animation	3	UD
APCG Elective	APCG Elective (see reverse side)	3	Tech	APCG 345	Adv Animation Pre-Production	3	UD
CSCI 311	Algorithms and Data Structures	4	Tech	ARTS 12X	2D or 3D Design (ARTS 122/123)	3	AS
GE C23	Arts and Humanities	3	C2/C3	HIST 130	United States History	3	Hist
GE D	Behavioral and Social Sciences	3	D	Theme 1	General Education Theme	3	Theme
Semester Total		15		(Apply for graduation 1 year in advance) Semester Total		15	
Seventh Semester				Eighth Semester			
APCG 445	Advanced Animation Production	3	UD	APCG 545	Adv Animation Post-Production	3	UD
CSCI 430	Software Engineering	3	Tech	APCG Elective	APCG Elective (see reverse side)	3	Tech
APCG Elective	APCG Elective (see reverse side)	3	Tech				
ARTS Elective	Course approved by APCG adviser.	3	AS	POLS 155	American Government	3	US Gov
Theme 2	General Education Theme	3	Theme	Theme 3	General Education Theme	3	Theme
Semester Total		15		Semester Total		15	

¹For General Education (GE) refer to GE planning sheet; consider taking a Course Link in your first semester; consider meeting Ethnic and Non-Western requirements with GE.

Applied Computer Graphics Core

Course	Description	Units
APCG Core (10 courses)		30
APCG 110	Computer-Assisted Art I	3
APCG 112	Digital Photography	3
APCG 117	Concept Design & Storyboarding	3
APCG 240	2-D Digital Animation	3
APCG 330	3-D Computer Modeling	3
APCG 331	3-D Character Modeling	3
APCG 340	Computer Animation	3
APCG 345	Adv Animation Pre-Production	3
APCG 445	Advanced Animation Production	3
APCG 545	Adv Animation Post-Production	3
Total Applied Computer Graphics Core		30

Art Studio Program (AS)

Course	Description	Units
AS Required Courses (2 courses)		6
ARTS 125	Basic Drawing	3
ARTS 126	Basic Drawing	3
AS Art History Selections (1 course)		3
ARTH 101	Art History Survey	3
ARTH 102	Art History Survey	3
AS Color Theory (Design Selections (1 course)		3
ARTS 122	2D Design	3
ARTS 123	3D Design	3
AS Selections (1 Course)		3
ARTS Elective Course approved by APCG adviser.		3
Total Art Studio Units		15

Technical Option

Course	Description	Units
Required Courses (6 courses)		15
CSCI 111	Programming and Algorithms I	4
CSCI 211	Programming & Algorithms II	4
CSCI 311	Algorithms and Data Structures	4
CSCI 330	Software Engineering	3
Applied Computer Graphics Electives (3 courses)*		9
APCG 170	Video Game Design	3
APCG 360	Web Page Design	3
APCG 370	Video Game Development	3
APCG 420	Digital Lighting and Texturing	3
APCG 422	Digital Compositing & Special Effects	3
APCG 441	3-D Character Animation	3
APCG 470	Video Game Production	3
APCG 495	Advanced Production	3
CSCI 467	Graphical User Interface Des	3
CSCI 566	Computer Graphics Programming	3
CSCI 567	Graphical User Interface Impl	3
CSCI 580	Artificial Intelligence	3
KINE 318	3-D Desktop Video Applications	3
THEA 112	Acting for Non-Majors	3
THEA 371	Lighting Design	3
Total Technical Option		24

Double Counted Units

APCG 110	Computer-Assisted Art I APCG & GE C1	3
Total Double Counted		3

Unit Summary

APCG Core Requirements	30
Technical Option	24
Art Studio Program	15
Lower Division General Education	39
Upper Division General Education	9
American Institutions	6
Double Counted	-3
Electives	0
Total Degree	120

*NOTE: Select a minimum of two upper division courses