

**B.S. Applied Computer Graphics Technical Option
with Communication Design Program**

Four-Year Degree Plan

within the CSU Chico Department of Computer Science
2007 - 2009 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)	27	Electives	0
Communication Design (CD)	15	Double Counted	-6
Major Total Units	72	Other Total Units	48

First Semester				Second Semester			
	Units	Notes ¹			Units	Notes ¹	
APCG 110	Computer-Assisted Art I	3	LD & GE C1	APCG 117	Concept Design & Storyboarding	3	LD
APCG 112	Digital Photography	3	LD	CDES 103	Writing for Electronic Media	3	CD
MATH 109	Survey of Calculus	3	Tech & GE A4	CSCI 111	Programming and Algorithms I	3	LD
ENGL 130	Academic Writing	3	GE A2	GE D	Behavioral and Social Sciences	3	GE D1/D2/D3
GE A	Oral Communications or Critical Thinking	3	GE A1 or A3	GE A	Oral Communications or Critical Thinking	3	GE A1 or A3
Semester Total		15		Semester Total		15	
Third Semester				Fourth Semester			
APCG 240	2-D Digital Animation	3	UD	APCG 330	3-D Computer Modeling	3	UD
CSCI 112	Programming and Algorithm II	3	Tech	CSCI 311	Algorithms and Data Structures	3	Tech
CDES 141	Media Aesthetics	3	CD	CDES Selections	CDES Elective (see reverse side)	3	CD
POLS 155	American Government	3	GE2	GE B	The Physical Universe or Life Forms	3	GE B1 or B2
GE B	The Physical Universe or Life Forms	3	GE B1 or B2	GE C	Arts and Humanities	3	GE C2 or 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 Electives	APCG Elective (see reverse side)	3	Tech	APCG 345	Adv Animation Pre-Production	3	Prod WP
CDES Selections	CDES Elective (see reverse side)	3	CD	APCG Electives	APCG Elective (see reverse side)	3	Tech
GE C	Arts and Humanities	3	GE C2 or C3	GE D	Behavioral and Social Sciences	3	GE D1/D2/D3
GE E	Lifelong Learning	3	GE E	Theme 1	Upper Division Theme	3	GE UD 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	Advanced Animation Post-Production	3	Prod
CSCI 566	Computer Graphics Programming	3	Tech	CSCI 330	Software Engineering	3	Tech WP
CDES Selections	CDES Elective (see reverse side)	3	CD	APCG Electives	APCG Elective (see reverse side)	3	Tech
APCG Electives	APCG Elective (see reverse side)	3	Tech	GE D	Behavioral and Social Sciences	3	GE D1/D2/D3
Theme 2	Upper Division Theme	3	GE UD Theme	Theme 3	Upper Division Theme	3	GE UD 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.

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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	Advanced Animation Post-Production	3
Total APCG Core		30

Technical Option

Course	Description	Units
Required Courses (6 Courses)		18
CSCI 111	Programming and Algorithms I	3
CSCI 112	Programming and Algorithm II	3
CSCI 311	Algorithms and Data Structures	3
CSCI 330	Software Engineering	3
CSCI 566	Computer Graphics Programming	3
MATH 109	Survey of Calculus	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
CSCI 465	Web Programming Fundamentals	3
CSCI 467	Graphical User Interface Design	3
CSCI 567	Graphical User Interface Impl	3
CSCI 580	Artificial Intelligence	3
KINE 318	3-D Desktop Video Applications	3
KINE 524	Biomechanical Analysis	3
THEA 112	Acting for Non-Majors	3
THEA 371	Lighting Design	3
Total Technical Option		27

Communication Design Program

Course	Description	Units
Required Courses (2 Courses)		6
CDES 103	Writing for Electronic Media	3
CDES 141	Media Aesthetics	3
CD Selections (3 Courses)		9
CDES 214	Computer Graphics	3
CDES 216	Introduction to Audio in Media	3
CDES 222	Intro to WWW Design & Pub	3
CDES 261	Found of Electronic Media	3
CDES 314	Intro Multimedia Dsgn & Dev	3
CDES 322	Adv WWW Design & Publish	3
CDES 323	Human Interface Design	3
CDES 333	Graphic Visualization	3
CDES 366	Field Video Production	3
CDES 414	Adv Multimedia Dsgn & Develop	3
CDES 466	Studio Video Production	3
CDES 468	Video Production Workshop	3
Total Communication Design Program Units		15

Double Counted Units

APCG 110	Computer-Assisted Art I	3
MATH 109	Survey of Calculus	3
Total Double Counted		6

Unit Summary

APCG Core Requirements	30
Technical Option	27
Communication Design Program	15
Lower Division General Education	39
Upper Division General Education	9
American Institutions	6
Double Counted	-6
Electives	0
Total Degree	120

*NOTE: Select a minimum of two upper division courses