

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

Four-Year Degree Plan

within the CSU Chico Department of Computer Science
2005 - 2007 University Catalog

Total Units
120

APCG Major - Technical Option	Units	GE & Electives	Units
Core Lower & Upper Division (LD/UD)	18	General Education	54
Technical Option (Tech)	27	Electives	0
Communication Design (CD)	27	Double Counted	-6
Major Total Units	72	Other Total Units	48

First Semester				Units	Notes ¹	Second Semester				Units	Notes ¹		
APCG 110	CSCI 040	Computer-Assisted Art I	3	LD	& GE C1	APCG 112	APCG 044	Digital Photography	3	LD			
CSCI 111	CSCI 015A	Programming and Algorithms I	3	LD		CSCI 112	CSCI 015B	Programming and Algorithm II	3	Tech	WP		
MATH 109	MATH 009	Survey of Calculus	3	Tech	& GE A4	CDES 101	CDES 001	Introduction to Communication	3	CD			
ENGL 130	ENGL 001	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 117	APCG 046	Concept Design & Storyboarding	3	LD		CSCI 320	CSCI 171	Computer Architecture	3	Tech			
CSCI 221	CSCI 051A	Assembly Language Programming	3	Tech		CDES Selecti		Communicaton Design Selection	3	CD			
CDES 102	CDES 002	Principles of Comm Design	3	CD		CDES Selecti		Communicaton Design Selection	3	CD			
POLS 155	POLS 055	American Government	3	GE2		HIST 130	HIST 050	United States History	3	GE2			
GE E		Lifelong Learning	3	GE	E	GE C		Arts and Humanities	3	GE	C2 or C3		
Semester Total			15	Semester Total				15					
Fifth Semester					Sixth Semester								
APCG 330	CSCI 140	3-D Computer Modeling	3	UD		APCG 340	CSCI 240	Computer Animation	3	UD			
CSCI 311	CSCI 151	Algorithms and Data Structures	3	Tech		CSCI 330	CSCI 112	Software Engineering	3	Tech			
CDES 307	CDES 107	Technology and Communication	3	CD		APCG Electiv		APCG Elective (see reverse side)	3	Tech			
CDES Selecti		Communicaton Design Selection	3	CD		GE D		Behavioral and Social Sciences	3	GE	D1/D2/D3		
GE B		The Physical Universe or Life Forms	3	GE	B1 or B2	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 Electiv		APCG Elective (see reverse side)	3	Tech		APCG Electiv		APCG Elective (see reverse side)	3	Tech			
APCG Electiv		APCG Elective (see reverse side)	3	Tech		APCG Electiv		APCG Elective (see reverse side)	3	Tech			
CSCI 566	CSCI 231	Computer Graphics Programming	3	Tech		GE C		Arts and Humanities	3	GE	C2 or C3		
GE B		The Physical Universe or Life Forms	3	GE	B1 or B2	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 (6 courses)		18
APCG 110	CSCI 040 Computer-Assisted Art I	3
APCG 112	APCG 044 Digital Photography	3
APCG 117	APCG 046 Concept Design & Storyboarding	3
CSCI 111	CSCI 015A Programming and Algorithms I	3
APCG 330	CSCI 140 3-D Computer Modeling	3
APCG 340	CSCI 240 Computer Animation	3
Total Computer Science Core		18

Technical Option

Course	Description	Units
Required Courses (7 Courses)		21
CSCI 112	CSCI 015B Programming and Algorithm II	3
CSCI 221	CSCI 051A Assembly Language Programming	3
CSCI 311	CSCI 151 Algorithms and Data Structures	3
CSCI 320	CSCI 171 Computer Architecture	3
CSCI 330	CSCI 112 Software Engineering	3
CSCI 566	CSCI 231 Computer Graphics Programming	3
MATH 109	MATH 009 Survey of Calculus	3
Applied Computer Graphics Electives (2 courses)		6
APCG 360	CSCI 145 Web Page Design	3
APCG 345	APCG 141 Adv Animation Pre-Production	3
CDES 214	CDES 122 Computer Graphics	3
CDES 216	CDES 066 Introduction to Audio in Media	3
CDES 222	CDES 112 Intro to WWW Design & Pub	3
CDES 314	CDES 270A Intro Multimedia Dsgn & Dev	3
CDES 322	CDES 212 Adv WWW Design & Publish	3
CDES 323	CDES 215 Human Interface Design	3
CDES 333	CDES 132 Graphic Visualization	3
CDES 366	CDES 168A Field Video Production	3
CDES 414	CDES 270B Adv Multimedia Dsgn & Develop	3
CDES 466	CDES 168B Studio Video Production	3
CDES 468	CDES 243 Video Production Workshop	3
CSCI 465	CSCI 245 Web Programming Fundamentals	3
CSCI 467	CSCI 232 Graphical User Interface Design	3
CSCI 545	CSCI 241 Advanced Animation Production	3
CSCI 567	CSCI 233 Graphical User Interface Impl	3
KINE 318	PHED 218 3-D Desktop Video Applications	3
KINE 524	PHED 224 Biomechanical Analysis	3
THEA 112	THEA 060 Acting for Non-Majors	3
THEA 371	THEA 170 Lighting Design	3
Total Technical Option		27

Communication Design Program

Course	Description	Units
Required Courses (3 Courses)		9
CDES 101	CDES 001 Introduction to Communication	3
CDES 102	CDES 002 Principles of Comm Design	3
CDES 307	CDES 107 Technology and Communication	3
CD Selections (3 Course)		9
CDES 103	CDES 003 Writing for Electronic Media	3
CDES 141	CDES 040 Media Aesthetics	3
CDES 241	CDES 140 North American Cinema	3
CDES 242	CDES 147 History of Documentary Film	3
CDES 261	CDES 065 Found of Electronic Media	3
CDES 281	CDES 080 Print as Digital Output Medium	3
CDES 315	CDES 240 Electronic Media Economics	3
CDES 331	CDES 131 History of Graphic Design	3
CDES 341	CDES 268 American Radio and Television	3
CDES 362	CDES 162 Media Performance	3
CDES 363	CDES 160 Broadcast News	3
CDES 368	CDES 163 Public Affairs Programming	3
Applied Computer Graphics Electives (3 courses)		9
Select three additional courses from Applied Computer Graphics Electives in your chosen option. (See column at left.)		
Total Art Studio Program Units		27

Double Counted Units

APCG 110	C1	3
MATH 109	A4	3
Total Double Counted		6

Unit Summary

APCG Core Requirements	18
Technical Option	27
Communication Design Program	27
Lower Division General Education	39
Upper Division General Education	9
American Institutions	6
Double Counted	-6
Electives	0
Total Degree	120