

**B.S. Applied Computer Graphics Technical Option
with Art Studio 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
Art Studio Program (AS)	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		
MATH 109	MATH 009	Survey of Calculus	3	Tech	& GE A4	ARTS 125	ART 003A	Basic Drawing	3	AS		
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		ARTS 101	ART 001A	Art History Survey	3	AS		
ARTS 126	ART 003B	Basic Drawing	3	AS		ARTS 240	ART 091	Intro to Fine Art Photography	3	AS		
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	WP	
ARTS 102	ART 001B	Art History Survey	3	AS		ARTS LD		Art Lower Division Selection	3	AS		
ARTS 122 or	ART 015A or	Color Theory or Design	3	AS		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		
ARTS UD		Art Upper Division Selection	3	AS		ARTS UD		Art Upper Division Selection	3	AS		
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

Art Studio Program

Course	Description	Units
Required Courses (5 Courses)		15
ARTS 101	ART 001A Art History Survey	3
ARTS 102	ART 001B Art History Survey	3
ARTS 125	ART 003A Basic Drawing	3
ARTS 126	ART 003B Basic Drawing	3
ARTS 240	ART 091 Intro to Fine Art Photography	3
AS Theory or Design Selections (1 Course)		3
ARTS 122	ART 015A Color Theory	3
ARTS 123	ART 015B Design	3
AS LD Selection (1 Course)		3
ARTS 227	ART 033 Introduction to Painting	3
ARTS 230	ART 038 Introduction to Printmaking	3
ARTS 260	ART 006 Introduction to Ceramics	3
ARTS 270	ART 035 Introduction to Sculpture	3
ARTS 290	ART 036 Introduction to Fiber Art	3
AS UD Selection (2 Courses)		6
ARTS 326	ART 109 Intermediate Life Drawing	3
ARTS 340	ART 191 Intermed Fine Art Photography	3
ARTS 350	ART 158 Intermediate Electronic Arts	3
ARTS 371	ART 135A Intermed Sculp: Mixed Media	3
ARTS 426	ART 209 Advanced Life Drawing	3
ARTS 440	ART 291 Advanced Fine Art Photography	3
ARTS 470	ART 235 Advanced Sculpture	3
ARTS 450	ART 258 Advanced Electronic Arts	3
ARTS 490	ART 236 Advanced Fiber	3
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
Art Studio Program	27
Lower Division General Education	39
Upper Division General Education	9
American Institutions	6
Double Counted	-6
Electives	0
Total Degree	120