

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

Four-Year Degree Plan
2009 - 2011 University Catalog

Total Units
120

| | | | |
|-------------------------------------|-------|-------------------|-------|
| APCG Major Production Option | Units | GE & Electives | Units |
| Core Lower & Upper Division (LD/UD) | 30 | General Education | 54 |
| Production Option (Prod) | 22 | Electives | 2 |
| Communication Design (CD) | 15 | Double Counted | -3 |
| Major Total Units | 67 | Other Total Units | 53 |

| 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 | CDES 103 | Writing for Electronic Media | 3 | CD |
| 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 |
| APCG Elective | APCG Elective (see reverse side) | 3 | Prod | Programming | APCG 180 or CSCI 101 or 111 | 3 | Prod |
| CDES 141 | Media Aesthetics | 3 | CD | CDES Elective | CDES Elective (see reverse side) | 3 | CD |
| 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 | Prod | APCG 345 | Adv Animation Pre-Production | 3 | UD |
| CDES 303 | Communication Criticism WP | 3 | Prod | CDES Elective | CDES Elective (see reverse side) | 3 | CD |
| 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 |
| APCG 499 | Special Problems | 3 | Prod | APCG 389 | Industry Internship | 3 | Prod |
| APCG Elective | APCG Elective (see reverse side) | 3 | Prod | APCG 491 | Portfolio | 1 | Prod |
| CDES Elective | CDES Elective (see reverse side) | 3 | CD | POLS 155 | American Government | 3 | US Gov |
| Theme 2 | General Education Theme | 3 | Theme | Theme 3 | General Education Theme | 3 | Theme |
| | | | | Elective | Elective | 2 | |
| 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.

B.S. Applied Computer Graphics

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 |

Production Option

| Course | Description | Units |
|--|---------------------------------------|-------|
| Required Courses (4 courses) | | 10 |
| APCG 389 | Industry Internship | 3 |
| APCG 491 | Portfolio | 1 |
| APCG 499 | Special Problems | 3 |
| CDES 303 | Communication Criticism WP | 3 |
| Computer Programming Selection (1 course) | | 3 |
| CSCI 101 | Intro to Computer Science | 3 |
| CSCI 111 | Programming and Algorithms I | 4 |
| APCG 180 | Scripting & Programming for CG | 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 |
| KINE 318 | 3-D Desktop Video Applications | 3 |
| THEA 112 | Acting for Non-Majors | 3 |
| THEA 371 | Lighting Design | 3 |
| Total Production Option | | 22 |

Production Option with Communication Design Program

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Communication Design Program (CD)

| Course | Description | Units |
|----------------------------------|-------------------------------|-------|
| CD 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 | Intro: Digital 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 | Advanced 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 Units | | 15 |

Double Counted Units

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

Unit Summary

| | |
|----------------------------------|-----|
| APCG Core Requirements | 30 |
| Production Option | 22 |
| Communication Design Program | 15 |
| Lower Division General Education | 39 |
| Upper Division General Education | 9 |
| American Institutions | 6 |
| Double Counted | -3 |
| Electives | 2 |
| Total Degree | 120 |

*NOTE: Select a minimum of one upper division course