mographics by presenting individual and collaborative contributions as well as strategies for designing niche marketing and advertising graphics for a multicultural society. Examines the impact of globalization. Examines gender, ethnicity (African American, American Indian, Asian-American and/or Pacific Islanders, and Mexican American in particular), age, sexual orientation, and universal access for people with impairments.

**Graphic Communications - Imaging & Publishing (GCIP)**

See also Graphic Communications and Graphic Communications - Multimedia & Web

Contact the Graphic Communications Department for further information. (760) 744-1150, ext. 2452
Office: MD-114
For transfer information, consult a Palomar College Counselor.

**Associate in Arts Degrees -**

AA Degree requirements are listed in Section 6 (green pages).

- Digital Imaging
- Graphic Communications - Emphasis in Electronic Publishing
- Graphic Communications - Emphasis in Management
- Graphic Communications - Emphasis in Production
- Screen Printing

**Certificates of Achievement -**

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Digital Imaging
- Graphic Communications - Emphasis in Electronic Publishing
- Graphic Communications - Emphasis in Management
- Graphic Communications - Emphasis in Production
- Screen Printing

**Certificates of Proficiency -**

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- Digital Imaging
- Graphic Communications - Emphasis in Electronic Publishing
- Graphic Communications - Emphasis in Management
- Graphic Communications - Emphasis in Production
- Screen Printing

**Digital Arts**

Specific skills for the Digital Arts certificate include graphic design methodologies, including the design process, output production and presentation. The certificate prepares students to gain competence with the industry standard for digital imaging: Adobe Photoshop. Color, resolution, input and output, production process, photography and creativity are core competencies. Upon completion of the certificate, the student may find a job as a production artist, illustrator, graphic artist, or in digital imaging.

**CERTIFICATE OF PROFICIENCY**

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCIP 140 Digital Imaging/photoshop I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 141 Digital Imaging/photoshop II</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 240 Digital Imaging/photoshop III</td>
<td>4</td>
</tr>
<tr>
<td>ARTD 150 Digital Concepts and Techniques in Art</td>
<td>3</td>
</tr>
<tr>
<td>or PHOT 230 Digital Darkroom I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL UNITS** 15

**Digital Imaging**

Prepares students for entry-level position as creator and processor of digital imagery. Layout and creative position in multimedia, internet publishing, digital video, publishing, photography, and motion graphics.

Digital imaging is one of the basic requirements for all electronic communication delivery systems.

**A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT**

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCIP 122 Painter I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 140 Digital Imaging/photoshop I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 141 Digital Imaging/photoshop II</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 240 Digital Imaging/photoshop III</td>
<td>4</td>
</tr>
<tr>
<td>GCMW 203 Web Multimedia</td>
<td>4</td>
</tr>
<tr>
<td>GCMW 204 Motion Graphics for Multimedia</td>
<td>4</td>
</tr>
<tr>
<td>GCMW 205 Digital Video for Multimedia</td>
<td>4</td>
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<tr>
<td>PHOT 100 Elementary Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 230 Digital Darkroom I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL UNITS** 34

Digital Imaging A.A. Degree Major or Certificate of Achievement is also listed under Photography.

**Digital Prepress Operator**

Prepares students to pursue entry-level employment in the printing industry in prepress, press, and finishing processes.

**CERTIFICATE OF PROFICIENCY**

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCIP 180 Digital Prepress and Press I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 182 Digital Prepress and Press II</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 280 Digital Prepress and Press III</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL UNITS** 12

**Electronic Publisher**

Electronic publishing encompasses computer-based document layout, composition, typography, illustration, scanning, image modification, as well as reproduction and distribution. It has revolutionized print communications. There will be a major growth in this field in the future.

Employment opportunities will be with commercial printers, corporate electronic publishers, small print shops, service bureaus, direct mail companies, magazine publishers, advertising, typographers and compositors, freelance publications, newspaper publishers, marketing and ad agencies, and in-plant printers.

**CERTIFICATE OF PROFICIENCY**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>GCIP 105 Design for Print Production</td>
<td>4</td>
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<tr>
<td>GCIP 140 Digital Imaging/photoshop I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 149 Page Layout and Design I</td>
<td>4</td>
</tr>
<tr>
<td>GCIP 152 Digital Publishing/Illustrator I</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL UNITS** 16

**Graphic Communications**

**Emphasis in Electronic Publishing**

Electronic publishing—which encompasses computer based document layout, composition, typesetting, illustration, scanning, image modification, reproduction, and distribution—has revolutionized print communications. There will be major growth in this field in the future. Employment opportunities will be with commercial printers, corporate electronic publishers, small printers, service bureaus, quick printers, direct mail companies, magazine publishers, advertising, typographers and compositors, freelance publications, newspaper publishers, in-plant printers, and other still growing applications.

The 23 units of Program Requirements are the same for Graphic Communications Emphasis in Electronic Publishing, Graphic Communications Emphasis in Management, and Graphic Communications Emphasis in Production. Students may complete one or more of these programs by completing the Program Requirements, Emphasis Requirements and Electives listed for each program.
To satisfy a prerequisite, the student must have earned a letter grade of A, B, C or CR in the prerequisite course, unless otherwise stated.

See Catalog addendum at http://www.palomar.edu/catalog/2012/ for updates and new program approvals.

A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT

Program Requirements (23 units)

<table>
<thead>
<tr>
<th>Units</th>
<th>Program Requirements</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>GC 100 Graphic Communications</td>
</tr>
<tr>
<td>3</td>
<td>GC 101 History of Graphic Communications</td>
</tr>
<tr>
<td>3</td>
<td>GCIP 103 Acrobat for Print</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 105 Design for Print Production</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 140 Digital Imaging/Photoshop I</td>
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<tr>
<td>4</td>
<td>GCIP 149 Page Layout and Design I</td>
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<tr>
<td>4</td>
<td>GCIP 180 Digital Prepress and Press I</td>
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Emphasis Requirements (11 units)

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<tr>
<th>Units</th>
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<tr>
<td></td>
<td>ARTD 210 Typography Design</td>
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<tr>
<td>3</td>
<td>GCIP 152 Digital Publishing/Illustrator I</td>
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<tr>
<td>4</td>
<td>GCIP 260 Portfolio Development and Presentation</td>
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</table>

Electives (Select one course, 1-4 units)

<table>
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<tr>
<th>Units</th>
<th>Electives</th>
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<tbody>
<tr>
<td>3</td>
<td>ARTD 100 Graphic Design I</td>
</tr>
<tr>
<td>3</td>
<td>* CE 100 Cooperative Education</td>
</tr>
<tr>
<td>1 - 4</td>
<td>CSIT 105 Computer Concepts and Applications</td>
</tr>
<tr>
<td>3</td>
<td>DT/ARCH 125 AutoCAD Introduction to Computer Aided Drafting</td>
</tr>
<tr>
<td>3</td>
<td>GC 102 History of the Book and Publishing: Papyrus to Pixels</td>
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<tr>
<td>4</td>
<td>GCIP 141 Digital Imaging/Photoshop II</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 182 Digital Prepress and Press II</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 240 Digital Imaging/Photoshop III</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 249 Page Layout and Design II</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 252 Digital Publishing/Illustrator II</td>
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<tr>
<td>4</td>
<td>GCIP 255 Electronic Package Design</td>
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<td>4</td>
<td>GCIP 280 Digital Prepress and Press III</td>
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<td>4</td>
<td>GCMW 102 Web Page Layout I</td>
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<td>JOUR 105 Newspaper Production</td>
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<td>3</td>
<td>PHOT 100 Elementary Photography</td>
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</tbody>
</table>

TOTAL UNITS 35 - 38

*Copertative Education must be related to this major.

Graphic Communications

Emphasis in Production

Prepares students to pursue employment in the printing industry in prepress, press, and finishing processes.

The 23 units of Program Requirements are the same for Graphic Communications Emphasis in Electronic Publishing, Graphic Communications Emphasis in Management, and Graphic Communications Emphasis in Production. Students may complete one or more of these programs by completing the Program Requirements, Emphasis Requirements and Electives listed for each program.

A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT

Program Requirements (23 units)

<table>
<thead>
<tr>
<th>Units</th>
<th>Program Requirements</th>
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<tbody>
<tr>
<td></td>
<td>GC 100 Graphic Communications</td>
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<td>3</td>
<td>GC 101 History of Graphic Communications</td>
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<tr>
<td>3</td>
<td>GCIP 103 Acrobat for Print</td>
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<td>4</td>
<td>GCIP 105 Design for Print Production</td>
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<tr>
<td>4</td>
<td>GCIP 140 Digital Imaging/Photoshop I</td>
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<td>GCIP 149 Page Layout and Design I</td>
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<td>GCIP 180 Digital Prepress and Press I</td>
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Emphasis Requirements (7 units)

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<tr>
<td></td>
<td>CSIT 105 Computer Concepts and Applications</td>
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<tr>
<td>3</td>
<td>GCIP 182 Digital Prepress and Press II</td>
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</table>

Electives (Select two courses, 4-8.5 units)

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<tr>
<th>Units</th>
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<tr>
<td>4</td>
<td>ACCT 101 Bookkeeping Fundamentals</td>
</tr>
<tr>
<td>5</td>
<td>ACCT 101L Bookkeeping Electronic Spreadsheet Lab</td>
</tr>
<tr>
<td>3</td>
<td>BUS 115 Business Law</td>
</tr>
<tr>
<td>3</td>
<td>BUS 125 Business English</td>
</tr>
<tr>
<td>3</td>
<td>BUS 140 Selling for Business</td>
</tr>
<tr>
<td>3</td>
<td>BUS 155 Marketing</td>
</tr>
<tr>
<td>3</td>
<td>BMGT 105 Small Business Management</td>
</tr>
<tr>
<td>3</td>
<td>BMGT 115 Organizational Theory and Design</td>
</tr>
<tr>
<td>3</td>
<td>GC 102 History of the Book and Publishing: Papyrus to Pixels</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 141 Digital Imaging/Photoshop II</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 249 Page Layout and Design II</td>
</tr>
<tr>
<td>4</td>
<td>GCIP 280 Digital Prepress and Press III</td>
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<tr>
<td>4</td>
<td>* CE 100 Cooperative Education</td>
</tr>
</tbody>
</table>

TOTAL UNITS 34 – 38.5

*Copertative Education must be related to this major.
Screen Printer

Recent advances in technology have allowed screen printing to compete on a large scale with other printing processes. Productive, challenging careers are growing in the screen printing field at a steady rate. Palomar's screen printing process classes prepare students for duties in project planning, copy preparation, camera operation, screen preparation, electronic prepress, stencil making, screen printing, and sales.

CERTIFICATE OF PROFICIENCY

Program Requirements Units
GCIP 170 Screen Printing 4
GCIP 172 Textile Screen Printing 4
GCIP 270 Commercial Screen Printing 4

TOTAL UNITS 12

Screen Printing

Prepares students for entry-level positions in project planning, copy preparation, camera operation, screen preparation, stencil making, printing, and sales.

Due to recent advances in screen printing technology, screen printing is becoming very commercialized. These breakthroughs have allowed screen printing to compete on a large scale with other processes. Productive, challenging careers are growing in the screen printing field at a steady rate.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements Units
BMGT 105 Small Business Management 3
GCIP 105 Design for Print Production 4
GCIP 140 Digital Imaging/Photoshop I 4
GCIP 152 Digital Publishing/Illustrator I 4
GCIP 170 Screen Printing 4
GCIP 172 Textile Screen Printing 4
GCIP 180 Digital Prepress and Press I 4
GCIP 270 Commercial Screen Printing 4

Electives (Select one course)
GCIP 182 Digital Prepress and Press II 4
GCIP 240 Digital Imaging/Photoshop III 4
GCIP 252 Digital Publishing/Illustrator II 4
CE 100 Cooperative Education 1 - 4

TOTAL UNITS 32 - 35

COURSE OFFERINGS

GCIP 103 Acrobat for Print 4
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times
Transfer acceptability: CSU

Hands-on instruction in creating and editing high quality, print-ready PDF files using Adobe Acrobat. This course also includes the estimating of materials and labor relative to current industry practices for the production of a printed product.

GCIP 105 Design for Print Production 4
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times
Transfer acceptability: CSU

Planning, design and layout of visual communication for print production. Basic computer applications for layout of business communication set using color, images, paper, and the lithographic production processes to complete the package. Emphasis is on practical application.

GCIP 122 Painter I 4
3 hours lecture - 3 hours laboratory
Transfer acceptability: CSU

Provides the student with the knowledge to electronically simulate natural media tools and textures. The class covers the use of Painter as an image-editing tool. Students will produce electronic images simulating the use of painting and drawing tools.

GCIP 140 Digital Imaging/Photoshop I 4
3 hours lecture - 3 hours laboratory
Recommended preparation: Basic computer skills.
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 140, 140A, 140B, 141, 141A, 141B, 240
Transfer acceptability: CSU; UC

The study of digital imaging and editing with Adobe Photoshop for visual, pictorial and graphic use in all media. Emphasis on creating and enhancing imagery for effective use in mass communication mediums.

GCIP 140A Digital Imaging/Photoshop IA 2
1 hour lecture - 3 hours laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 140, 140A, 140B, 141, 141A, 141B, 240
Transfer acceptability: CSU; UC

Introduction to digital imaging systems with Photoshop for Graphic Communications and Multimedia. Emphasis on basic and intermediate features and functions of Photoshop with a primary focus on preparing and using optimized images for the web. Special projects facilitate the needs of more advanced students.

GCIP 140B Digital Imaging/Photoshop IB 2
1 hour lecture - 3 hours laboratory
Note: For intermediate levels; may be taken 4 times; maximum of 4 completions in any combination of GCIP 140, 140A, 140B, 141, 141A, 141B, 240
Transfer acceptability: CSU; UC

A hands-on introduction to digital imaging systems with Photoshop for Graphic Communications and Multimedia. Emphasis on basic and intermediate features and functions of Photoshop with a primary focus on preparing and using optimized images for the web. Special projects facilitate the needs of more advanced students.

GCIP 141 Digital Imaging/Photoshop II 4
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in GCIP 140
Note: Maximum of 4 completions in any combination of GCIP 140, 140A, 140B, 141, 141A, 141B, 240
Transfer acceptability: CSU; UC

The concepts of intermediate digital imaging with Adobe Photoshop for visual, pictorial and graphic use in all media. Effective image creation for motion graphics, publications and internet for effective visual communications.

GCIP 149 Page Layout and Design I 4
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 149, 249
Transfer acceptability: CSU

Introduction to electronic document design and page layout, electronic composition, text and graphics entry with computers. Students will create a variety of projects including but not limited to: brochures, flyers, and newsletters.

GCIP 152 Digital Publishing/Illustrator I 4
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 152, 152A, 152B, 252
Transfer acceptability: CSU

Introduction to computer-generated digital layout. Illustrator will help the student generate new images or convert bitmapped images into PostScript. Quality levels needed for digital output will be evaluated.

GCIP 170 Screen Printing 4
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times
Transfer acceptability: CSU

Screen printing theory and application of layout and image preparation, computer applications, stencil methods, process camera and basic screen printing techniques. Practical application is stressed.
GCIP 172  Textile Screen Printing  (4)
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times
Transfer acceptability: CSU
Theory and applications of screen printing for textile use. Copy preparation for multicolor reproduction, color matching, ink selection, and mesh and stencils for material compatibility.

GCIP 180  Digital Prepress and Press I  (4)
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 180, 182, 280
Transfer acceptability: CSU
Practical applications of electronic prepress and introduction to offset press operation. The theory and practical applications of conventional and digital prepress including job layout, page impositions, templates and press signatures, plus small format press operation to include control and setup of feeder and delivery units, press controls, direct to plate technology, ink and chemistry as related to the offset press.

GCIP 182  Digital Prepress and Press II  (4)
3 hours lecture - 3 hours laboratory
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 180, 182, 280
Transfer acceptability: CSU
Set up and control of printing on small offset presses. Examines offset chemistry, kinds of offset plates, inks, and offset press problems. Theory and practical applications of conventional and digital prepress.

GCIP 190  Copyright for Graphic Designers & Web Developers  (1)
1 hour lecture
Note: Cross listed as GCMW 190
Transfer acceptability: CSU
Copyright is an old and well codified area of law. The statutes and cases, however, have created complexities that are sometimes difficult to understand. This course covers the basics of copyright law, copyright registration, methods of informing viewers of copyright protections and liability, and the ways in which a graphic designer may enforce copyright. The damages and remedies of injunction and compensation are included. This course is not intended to offer legal advice. Consult with competent legal professionals for any questions regarding specific copyright issues.

GCIP 191  Contracts for Graphic Designers & Web Developers  (1)
1 hour lecture
Note: Cross listed as GCMW 191
Transfer acceptability: CSU
Graphic designers, whether employed by business or freelance, need to understand contract terms, negotiation, conditions, and the statutory and case law uniquely applicable to graphic design. Understanding the terms of a contract is essential to protecting the rights to use of work product and obtaining compensation. Failing to do so usually results in abuse of rights and non-compensation. This course is not intended to offer legal advice. Consult with competent legal professionals for any questions regarding specific contractual issues.

GCIP 192  Legal Issues for Graphic Designers and Web Developers  (3)
3 hours lecture
Note: Cross listed as GCMW 192
Transfer acceptability: CSU
This course will cover most legal issues that confront graphic designers and web developers in the day-to-day operation of the businesses. Specific legal issues will include business formation, contracts, copyright, licensing, deep linking, click wrap agreements, and the risks and benefits of self employment versus employment by a business. This course is not intended to offer legal advice. Consult with competent legal professionals for any questions regarding specific legal issues.

GCIP 197A  Topics in Graphic Communications  (1-4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 3 times
Transfer acceptability: CSU
Short term or special topic course, lecture or laboratory courses in various topics in Graphic Communications.

GCIP 197B  Topics in Digital Imaging  (1-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times
Transfer acceptability: CSU
Graphic Communications topics in digital imaging. See Class Schedule for specific topic offered. Course title will designate subject covered.

GCIP 197C  Topics in Digital Publishing  (1-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times
Transfer acceptability: CSU
Graphic Communications topics in digital publishing. See Class Schedule for specific topic offered. Course title will designate subject covered.

GCIP 197D  Topics in Graphic Processes  (1-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture or laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times
Transfer acceptability: CSU
Graphic Communications topics in graphic processes. See Class Schedule for specific topic offered. Course title will designate subject covered.

GCIP 222  Painter II  (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in GCIP 122 and GCIP 140
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 122, 222
Transfer acceptability: CSU
Advanced concepts and methods of Painter and its use in image making, image editing, and problem solving. Students will create their own tools using the Painter interface and work collectively with other students through the use of student created tools in the design and construction of digital imagery.

GCIP 240  Digital Imaging/Photoshop III  (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in GCIP 140 and 141
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 140, 140A, 140B, 141, 141A, 141B, 240
Transfer acceptability: CSU
The concepts of advanced digital imaging with Adobe Photoshop for creating and preparing images for electronic distribution. Advanced methods of editing in all venues of digital media for visual communications.

GCIP 249  Page Layout and Design II  (4)
3 hours lecture - 3 hours laboratory
Prerequisite: A minimum grade of 'C' in GCIP 140 and GCIP 149
Note: May be taken 4 times; maximum of 4 completions in any combination of GCIP 149, 249
Transfer acceptability: CSU
Intermediate concepts of electronic document layout, typography, and graphics. Software capabilities in creating sophisticated graphic and type treatments.
Graphic Communications - Multimedia & Web (GCMW)

See also Graphic Communications and Graphic Communications - Imaging & Publishing

Contact the Graphic Communications Department for further information.
(760) 744-1150, ext. 2452
Office: MD-114

Associate in Arts Degrees -
AA Degree requirements are listed in Section 6 (green pages).
• Digital Video
• Interactive Media Design - Emphasis in Multimedia Design
• Interactive Web Multimedia and Audio
• Internet - Emphasis in Graphic Communication
• New Media Compositing, Authoring, and Distribution

Associate in Science Degrees -
AS Degree requirements are listed in Section 6 (green pages).
• Interactive Media Design - Emphasis in 3D Modeling and Animation

Certificates of Achievement -
Certificate of Achievement requirements are listed in Section 6 (green pages).
• Digital Video
• Interactive Media Design - Emphasis in 3D Modeling and Animation
• Interactive Media Design - Emphasis in Multimedia Design
• Interactive Web Multimedia and Audio
• Internet - Emphasis in Graphic Communication
• New Media Compositing, Authoring, and Distribution

Certificates of Proficiency -
Certificate of Proficiency requirements are listed in Section 6 (green pages).
• Digital Animation, Compositing, and Music
• Digital Media
• E-Commerce Design
• Video Game Artist
• Web Data Base Design

PROGRAMS OF STUDY

Digital Animation, Compositing, and Music
This program is directed at the digital design and implementation of 3D animations, graphic compositing and music.

CERTIFICATE OF PROFICIENCY

Program Requirements

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital 3D Design and Modeling</td>
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<tr>
<td>Digital 3D Design and Animation</td>
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<tr>
<td>Motion Graphics for Multimedia</td>
<td>4</td>
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<tr>
<td>Motion Graphics Production and Compositing</td>
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<td>Computer Music 1</td>
<td>3</td>
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<tr>
<td>Electronic Ensemble</td>
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<tr>
<td>TOTAL UNITS</td>
<td>16-17</td>
</tr>
</tbody>
</table>

Digital Animation, Compositing, and Music Certificate of Proficiency is also listed in Art and in Music.

Digital Media

Digital Media encompasses digital video editing in both analog and digital media. The certificate prepares students for employment in the film, video, Internet, and television industries. Major growth in this industry is anticipated as Internet and television merge into one medium.