emphasis on the development of communicative skills and basic structures. This beginning-level course is for students with no previous coursework in German.

GERM 101B   German IB   (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in GERM 101A or one year of high school German
Note: Covers the second half of GERM 101; not open to students with credit for GERM 101
Transfer acceptability: CSU; UC
German 101B is equivalent to the second half of German 101, and is a continuation of German 101A. This elementary level course is a study of the German language and German-speaking cultures, with emphasis on the development of communicative skills and basic structures.

GERM 102   German II   (5)
5 hours lecture-1 hour laboratory
Prerequisite: A minimum grade of 'C' in GERM 101 or 101B or two years of high school German
Transfer acceptability: CSU; UC
This course is the second semester of German. This elementary level course is a study of the German language and German-speaking cultures, with continued emphasis on the development of communicative skills and basic structures. Course combines in-class instruction with self-paced study in the Foreign Language Laboratory.

GERM 102A   German IIA   (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in GERM 101 or 101B or two years of high school German
Note: Covers the first half of GERM 102; not open to students with credit for GERM 102
Transfer acceptability: CSU; UC
German 102A is equivalent to the first half of German 102. This elementary level course is a study of the German language and German-speaking cultures, with continued emphasis on the development of communicative skills and basic structures.

GERM 102B   German IIB   (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in GERM 102A or two years of high school German
Note: Covers the second half of GERM 102; not open to students with credit for GERM 102
Transfer acceptability: CSU; UC
German 102B is equivalent to the second half of German 102, and is a continuation of German 102A. This elementary level course is a study of the German language and German-speaking cultures, with continued emphasis on the development of communicative skills and basic structures.

GERM 201   German III   (5)
5 hours lecture
Prerequisite: A minimum grade of 'C' in GERM 102 or three years of high school German
Transfer acceptability: CSU; UC
This course is the third semester of German. This intermediate level course is a study of the German language and German-speaking cultures, focusing on intermediate level structures and readings of culturally relevant authentic materials. Emphasis is on developing oral, listening, reading and writing skills in order to acquire proficiency in German. Class is largely conducted in German.

GERM 202   German IV   (5)
5 hours lecture
Prerequisite: A minimum grade of 'C' in German 201 or four years of high school German
Transfer acceptability: CSU; UC
This course is the fourth semester of German. This intermediate level course is a study of the German language and of special topics on the culture of the German-speaking world. Emphasis is on further development of cross-cultural awareness, as well as, the development of oral, listening, reading and writing skills in order to improve communicative competence in German. Class is largely conducted in German.

Graphic Communications (GC)

See also Graphic Communications - Imaging & Publishing, and Graphic Communications - Multimedia & Web

Contact the Graphic Communications Department for further information.
(760) 744-1150, ext. 2452
Office: GJ-6
For transfer information, consult a Palomar College Counselor.

COURSE OFFERINGS

GC 100   Graphic Communications   (3)
3 hours lecture
Transfer acceptability: CSU
Explores the history and theory of effective mass communication from prehistoric cave art, to invention of the printing press, and modern graphic communication techniques using computers and the Internet. The class examines communication models revolving around imagery, type, delivery systems, and technology. The students will be able to understand and establish the effects of a clear visual message. Learning modules include slideshow, field trips, guest speakers, discussion, lectures and hands-on application with computers and the Internet to promote an understanding of graphic communications and visual messages and their impact on society.

GC 101   History of Graphic Communications   (3)
3 hours lecture
Transfer acceptability: CSU
This course focuses on the history and evolution of graphic communications from prehistoric pictographs to present day graphic design. Topics include the invention of writing and the creation of alphabets. Other topics include world influences on print and aesthetic design, and an understanding of the stylistic, social, political, economic, and historical events as related to communication and graphic design. The emphasis is on art movements, schools of thought, influential individuals, and technology as they interrelate with the history of graphic arts. Historical topics are applied to photography, print media graphics and motion graphics. Field trips to museums and guest speakers will be integrated into the topics as appropriate.

**GC 102   History of the Book and Publishing:
                   Papyrus to Pixels   (3)**
3 hours lecture
Transfer acceptability: CSU;UC
A foundational course that explores the history and development of the book, printing, and publishing. Also explores their correlation with advancement of society, civilization, and the dissemination of information, including the history of the printing press, typesetting, papermaking, print technology and bindery.

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: GJ-6
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

Students must receive a grade of 'C' or better in each course that applies to an A.A. Degree Major or Certificate

Certificates of Proficiency -
Certificate of Proficiency requirements are listed in Section 6 (green pages).
• Digital Arts
• Digital Prepress Operator
• Digital Publishing
• Electronic Publisher
• Screen Printer

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		Units
ARTD 150	Digital Concepts/Techniques in Art	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP 240	Digital Imaging/Photoshop III	3
PHOT 230	Digital Darkroom	3.5
TOTAL UNITS		**15.5**

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

Program Requirements		Units
GCIP 122	Painter I	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP 240	Digital Imaging/Photoshop III	3
GCMW 203	Web Multimedia	3
GCMW 204	Motion Graphics for Multimedia	3
GCMW 205	Digital Video for Multimedia	3
PHOT 100	Elementary Photography	3.5
PHOT 230	Digital Darkroom	3.5
TOTAL UNITS		**28**

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		Units
GCIP 180	Digital Prepress and Press I	3
GCIP 182	Digital Prepress and Press II	3
GCIP 280	Digital Prepress and Press III	3
TOTAL UNITS		**9**

Digital Publishing

Designed to meet the increasing needs of organizations and businesses that distribute publications in both electronic and print media. Specific skills for the Digital Publishing certificate include typography, visual acuity, graphic design and layout. The certificate prepares students to gain competence with the basic applications used in industry for digital graphics and electronic publishing. Team-work, problem solving, workflow and production process, communication and creativity are core competencies. Upon completion of the certificate, the student may find a job as a production artist, illustrator, graphic artist, graphic designer, or in digital imaging.

CERTIFICATE OF PROFICIENCY

Program Requirements		Units
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP/		
R GCIP 149	Page Layout and Design I	3
GCIP/		
R GCIP 152	Desktop Publishing/Illustrator I	3
GCMW/		
R GCMW 103	Interactive Publishing with PDFs	3
TOTAL UNITS		**15**

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		Units
GCIP 105	Layout for Offset Lithography	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP/		
R GCIP 149	Page Layout and Design I	3
TOTAL UNITS		**9**

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, inplant printers, and other still growing applications.

The 18 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 (18 units)		Units
GC 100 or	Graphic Communications	
GC 101	History of Graphic Communications	3

GCIP/		
R GCIP 103	Acrobat for Print	3
GCIP 105	Layout for Offset Lithography	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP/		
R GCIP 149	Page Layout and Design I	3
GCIP 180	Digital Prepress and Press I	3

Emphasis Requirements (9 units)

ARTD 210	Typography Design	3
GCIP/		
R GCIP 152	Desktop Publishing/Illustrator I	3
GCIP/		
R GCIP 260	Portfolio Development and Presentation	3

Electives (Select one course, 1 – 4 units)

ARTD 100	Graphic Design I	3
CSIT 105	Computer Concepts and Applications	3
DT 125	AutoCAD Introduction to Computer Aided Drafting	3
GC 102	History of the Book and Publishing: Papyrus to Pixels	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP 240	Digital Imaging/Photoshop III	3
GCIP 252	Desktop Publishing/Illustrator II	3
GCIP 255	Electronic Package Design	4
GCIP 182	Digital Prepress and Press II	3
GCIP 280	Digital Prepress and Press III	3
GCIP/		
R GCIP 249	Page Layout and Design II	3
GCMW/		
R GCMW 102	Web Page Layout I	3
JOUR 105	Newspaper Production	3
PHOT 100	Elementary Photography	3.5
CE 100*	Cooperative Education	1,2,3,4

TOTAL UNITS   **28 - 31**

*Cooperative Education must be related to this major.

Graphic Communications Emphasis in Management

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

The 18 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 (18 units)		**Units**
GC 100 or	Graphic Communications	
GC 101	History of Graphic Communications	3
GCIP/		
R GCIP 103	Acrobat for Print	3
GCIP 105	Layout for Offset Lithography	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP/		
R GCIP 149	Page Layout and Design I	3
GCIP 180	Digital Prepress and Press I	3

Emphasis Requirements (6 units)

CSIT 105	Computer Concepts and Applications	3
GCIP 182	Digital Prepress and Press II	3

Electives (Select two courses, 4 – 7 units)

BUS 105	Bookkeeping Fundamentals	4
BUS 115	Business Law	3
BUS 125	Business English	3
BUS 140	Selling for Business	3
BUS 155	Marketing	3
BMGT 105	Small Business Management	3
BMGT 115	Organizational Theory and Design	3
GC 102	History of the Book and Publishing: Papyrus to Pixels	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP/		
R GCIP 249	Page Layout and Design II	3
GCIP 280	Digital Prepress and Press III	3
CE 100*	Cooperative Education	1,2,3,4

TOTAL UNITS   **28 – 31**

*Cooperative 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 18 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 (18 units)		**Units**
GC 100 or	Graphic Communications	
GC 101	History of Graphic Communications	3
GCIP/		
R GCIP 103	Acrobat for Print	3
GCIP 105	Layout for Offset Lithography	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP/		
R GCIP 149	Page Layout and Design I	3
GCIP 180	Digital Prepress and Press I	3

Emphasis Requirements (6 units)

GCIP 182	Digital Prepress and Press II	3
GCIP 280	Digital Prepress and Press III	3

Electives (Select two courses, 4 – 7.5 units)

BUS 125	Business English	3
CSIT 105	Computer Concepts and Applications	3
GC 102	History of the Book and Publishing: Papyrus to Pixels	3
GCIP 141	Digital Imaging/Photoshop II	3
GCIP/		
R GCIP 152	Desktop Publishing/Illustrator I	3
JOUR 105	Newspaper Production	3
JOUR 205	Advanced Newspaper Production	3
PHOT 100	Elementary Photography	3.5
CE 100*	Cooperative Education	1,2,3,4

TOTAL UNITS   **28 – 31.5**

* Cooperative 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/		
R GCIP 170	Screen Printing	3
GCIP/		
R GCIP 172	Textile Screen Printing	3
GCIP 270	Commercial Screen Printing	3
TOTAL UNITS		**9**

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	Layout for Offset Lithography	3
GCIP/		
R GCIP 140	Digital Imaging/Photoshop I	3
GCIP/		
R GCIP 152	Desktop Publishing/Illustrator I	3
GCIP/		
R GCIP 170	Screen Printing	3
GCIP/		
R GCIP 172	Textile Screen Printing	3
GCIP 180	Digital Prepress and Press I	3
GCIP 270	Commercial Screen Printing	3
Electives (Select one course)		
GCIP 182	Digital Prepress and Press II	3
GCIP 240	Digital Imaging/Photoshop III	3
GCIP 252	desktop Publishing/Illustrator II	3
CE 100	Cooperative Education	1,2,3,4
TOTAL UNITS		**25 - 28**

COURSE OFFERINGS

GCIP 103   Acrobat for Print   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 103; 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   Layout for Offset Lithography   (3)
6 hours lecture/laboratory
Note: May be taken 4 times
Transfer acceptability: CSU
Planning and layout of visual communication for offset lithography. Basic computer applications for layout of business communication set or eight page booklet using type, color, images, paper, and the lithographical production processes to complete the package. Emphasis is on practical application.

GCIP 122   Painter I   (3)
6 hours lecture/laboratory
Transfer acceptability: CSU
Provides the student with the knowledge to electronically simulate natural media tool 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   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 140; may be taken 4 times
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   (1.5)
3 hours lecture/laboratory
Note: May be taken 4 times
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   (1.5)
3 hours lecture/laboratory
Note: For intermediate levels; may be taken 4 times.
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   (3)
6 hours lecture/laboratory
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 141A   Digital Imaging/Photoshop IIA   (1.5)
3 hours lecture/laboratory
Note: May be taken 4 times
Transfer acceptability: CSU; UC
Intermediate level of Photoshop focusing on digital art and graphics with an emphasis on website development. A working knowledge of Photoshop is suggested as well as a basic knowledge of using computers (Mac. PC). Students will produce digitally manipulated art and website design to be used print and/or digital portfolio presentations.

GCIP 141B   Digital Imaging/Photoshop IIB   (1.5)
3 hours lecture/laboratory
Note: May be taken 4 times
Transfer acceptability: CSU; UC
Intermediate level of Photoshop focusing on digital art and graphics with an emphasis on website development. A working knowledge of Photoshop is suggested as well as a basic knowledge of using computers (Mac. PC). Students will produce digitally manipulated art and website design to be used print and/or digital portfolio presentations.

GCIP 149   Page Layout and Design I   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 149; may be taken 4 times
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   Desktop Publishing/Illustrator I   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 152; may be taken 4 times
Transfer acceptability: CSU
Introduction to electronic layout on the microcomputer. Illustrator will help the student generate new images or convert bitmapped images into PostScript. Quality levels needed for electronic output will be evaluated.

GCIP 152A   Desktop Publishing/Illustrator 1A   (1.5)
3 hours lecture/laboratory
Note: May be taken 4 times
Transfer acceptability: CSU
Introduction to electronic layout on the microcomputer. Illustrator will help the student generate new images or convert bitmapped images in PostScript. Quality levels needed for electronic output will be evaluated.

GCIP 152B   Desktop Publishing/Illustrator IB   (1.5)
3 hours lecture/laboratory
Note: May be taken 4 times
Transfer acceptability: CSU
Introduction to electronic layout on the microcomputer. Illustrator will help the student generate new images or convert bitmapped images in PostScript. Quality levels needed for electronic output will be evaluated. Topics included: printing, separations, working with graphics from multiple applications with Illustrator, and production of Web graphics.

GCIP 170   Screen Printing   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 170; 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   (3)
6 hours lecture/laboratory
Note: Cross listed as R GCIP 172; may be taken 3 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   (3)
6 hours lecture/laboratory
Note: May be taken 4 times
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   (3)
6 hours lecture/laboratory
Note: May be taken 4 times
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 197A   Topics in Graphic Communications   (.5-4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Note: Cross listed as R GCIP 197A; 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   (.5-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/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 Electronic Publishing   (.5-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times
Transfer acceptability: CSU
Graphic Communications topics in electronic publishing. See Class Schedule for specific topic offered. Course title will designate subject covered.

GCIP 197D   Topics in Graphic Processes   (.5-5)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/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   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP 122 and GCIP/R GCIP 140
Note: May be taken 4 times
Transfer acceptability: CSU
Advanced concept and method of Painter and its use in image making, image editing, and problem solving. Painter applications for developing special effects, shape descriptions, Internet, and multimedia interface design for communication solutions.

GCIP 240   Digital Imaging/Photoshop III   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 140 and GCIP 141
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   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 140 and GCIP/R GCIP 149
Note: Cross listed as R GCIP 249; may be taken 4 times
Transfer acceptability: CSU
Intermediate concepts of electronic document layout, typography, and graphics. Software capabilities in creating sophisticated graphic and type treatments.

GCIP 252   Desktop Publishing/Illustrator II   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GC 101 and GCIP/R GCIP 152
Note: May be taken 4 times
Transfer acceptability: CSU
Advanced concepts and methods of Illustrator and its use in graphic illustrations and problem solving. Software capabilities for use in preparing computer files for publishing to digital and electronic delivery systems.

GCIP 255   Electronic Package Design   (4)
3 hours lecture- 3 hours laboratory
Prerequisite: A minimum grade of 'C' in GCIP 152/R GCIP 152 and/or GCIP 252
Transfer acceptability: CSU
Packaging continues to be one of the fastest growing segments of the graphic communication industry. Learn the importance of packaging graphics and how to create digital files implementing computer and printing technology. In this course you will identify the issues in design strategies for a successful packaging campaign and the technical expertise to produce your designs. Explore the development of packaging through a series of case studies and real-life design and technical tips.

GCIP 260   Portfolio Development and Presentation   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 140 and GCIP/R GCIP 152
Note: Cross listed as RGCIP 260; may be taken 2 times
Transfer acceptability: CSU

Students must receive a grade of 'C' or better in each course that applies to an A.A. Degree Major or Certificate

Students will develop a personal portfolio to showcase their graphic skills and techniques. Various resources, including the Internet, will be used to conduct a job search, develop a resume and learn interviewing techniques. Guest speakers will share industry tips. Students will practice presentation and interviewing skills, with feedback from professionals working in graphics and related industries.

GCIP 270   Commercial Screen Printing   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 170 and GCIP/R GCIP 172
Note: May be taken 4 times
Transfer acceptability: CSU
Commercial screen printing applications. Preparation of mechanicals using close registration and printing on standard and unusual surfaces. Color, mechanical process, and quality control standards in screen printing.

GCIP 280   Digital Prepress and Press III   (3)
6 hours lecture/laboratory
Prerequisite: A minimum grade of 'C' in GCIP 182
Note: May be taken 4 times
Transfer acceptability: CSU
Advanced work on larger format offset equipment focusing on sheet control, register, ink and water control, and digital imposition.

GCIP 290   Copyright for Graphic Designers & Web Developers   (1)
1 hour lecture
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 149 and/or GCMW/R GCMW 102
Note: Cross listed as GCMW 290; may be taken 4 times
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.

GCIP 291   Contracts for Graphic Designers & Web Developers   (1)
1 hour lecture
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 149 and/or GCMW/R GCMW 102
Note: Cross listed as GCMW 291; may be taken 4 times
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.

GCIP 292   Legal Issues for Graphic Designers and Web Developers   (3)
3 hours lecture
Prerequisite: A minimum grade of 'C' in GCIP/R GCIP 149 and/or GCMW/R GCMW 102
Note: Cross listed as GCMW 292
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.

GCIP 295   Directed Study in Graphic Communications   (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson/director
Note: Cross listed as GCMW 295; may be taken 4 times
Transfer acceptability: CSU
Independent study for students who have demonstrated skills and/or proficiencies in Graphic Communications subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

GCIP 296   Special Projects   (1,2,3)
2, 4, or 6 hours lecture/laboratory
Recommended preparation: Advanced coursework or job-related experience
Note: Cross listed as GCMW 296; may be taken 4 times
Transfer acceptability: CSU
Independent work on a specified sustained project which does not fit into the context of regularly scheduled classes. Students work from a contract agreed upon by the student and the instructor.

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: GJ-6
For transfer information, consult a Palomar College Counselor.

Associate in Arts Degrees -
AA Degree 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 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
• Internet Publisher
• Video Game Artist
• Web Data Base Design
• Web Graphics
• Web Motion Graphics

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		Units
(5 courses minimum required, 15 units total)		
ARTI 246	Digital 3D Design and Modeling	3
ARTI 247	Digital 3D Design and Animation	3
GCMW 204	Motion Graphics for Multimedia	3
GCMW 206	Motion Graphics Production and Compositing	3
MUS 180	Computer Music I	3
MUS 184	Electronic Ensemble	3
TOTAL UNITS		**15**