

**GEOL 195 Regional Field Studies in Geology (1, 2, 3)**

½, 1½ hours lecture - 1½, 4½ hours laboratory

**Prerequisite:** A minimum grade of 'C' in GEOL 100, 110 or 125 or GEOG 100

**Note:** May be taken 4 times with different content for a maximum of 6 units

**Transfer acceptability:** CSU; UC – Credit determined by UC upon review of course syllabus.

Extended field studies of the geology of western North America over weekends and during vacation and summer sessions. Emphasis upon field observation and interpretation of rock types, landforms, and structure. Localities visited may vary from year to year.

**GEOL 197 Geology Topics (1-3)**

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 3 times for a maximum of 6 units

**Transfer acceptability:** CSU

Topics in Geology. See Class Schedule for specific topic offered. Course title will designate subject covered.

**GEOL 295 Directed Study in Geology (1, 2, 3)**

Arrange 3, 6, or 9 hours laboratory with department chairperson

**Prerequisite:** A minimum grade of 'C' in GEOL 150

**Note:** May be taken 4 times for a maximum of 6 units

**Transfer acceptability:** CSU – UC Credit determined by UC upon review of course syllabus.

Individual study in field, library, or laboratory for interested students.

**German (GERM)**

Contact the World Languages Department for further information.

(760) 744-1150, ext. 2390

Office: F-5

**COURSE OFFERINGS**

For students who have completed foreign language course work at the high school level, and need clarification regarding placement in college level course work, contact the Counseling Center. Universities have varying policies regarding the granting of transfer credit when there is a combination of high school and college level course work.

**GERM 101 German I (5)**

5 hours lecture - 1 hour laboratory

**Transfer acceptability:** CSU; UC

This course is the first semester of German. 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. Course combines in-class instruction and practice with self-paced study in the Foreign Language Laboratory. This beginning-level course is for students with no previous course-work in German.

**GERM 102 German II (5)**

5 hours lecture - 1 hour laboratory

**Prerequisite:** A minimum grade of 'C' in GERM 101 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 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 inter-

mediate 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: MD-114

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.

**GC 115 Graphics and Media: A Multicultural Perspective (3)**

3 hours lecture

**Note:** Cross listed as MCS 115

**Transfer acceptability:** CSU; UC

An introduction to the impact of media technology on the visual arts from a multicultural perspective. Includes print, Internet, multimedia, and game design. Embraces the diversity and multicultural perspectives that reflect American de-

mographics by presenting individual and collaborative contributions as well as strategies for designing niche marketing and advertising graphics for a multicultural society. Addresses the impact of globalization. Examines gender, ethnicity (African American, American Indian, Asian-Americans 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 Arts
- Digital Prepress Operator
- 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
GCIP 140 Digital Imaging/Photoshop I	4
GCIP 141 Digital Imaging/Photoshop II	4
GCIP 240 Digital Imaging/Photoshop III	4
ARTD 150 Digital Concepts and Techniques in Art	3
or	
PHOT 230 Digital Darkroom I	3
<b>TOTAL UNITS</b>	<b>15</b>

## 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	4
GCIP 140 Digital Imaging/Photoshop I	4
GCIP 141 Digital Imaging/Photoshop II	4
GCIP 240 Digital Imaging/Photoshop III	4
GCMW 203 Web Multimedia	4
GCMW 204 Motion Graphics for Multimedia	4
GCMW 205 Digital Video for Multimedia	4
PHOT 100 Elementary Photography	3
PHOT 230 Digital Darkroom I	3
<b>TOTAL UNITS</b>	<b>34</b>

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	4
GCIP 182 Digital Prepress and Press II	4
GCIP 280 Digital Prepress and Press III	4
<b>TOTAL UNITS</b>	<b>12</b>

## 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 Design for Print Production	4
GCIP 140 Digital Imaging/Photoshop I	4
GCIP 149 Page Layout and Design I	4
GCIP 152 Digital Publishing/Illustrator I	4
<b>TOTAL UNITS</b>	<b>16</b>

## 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 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.