

# TRANSFER, DEGREE, AND CERTIFICATE REQUIREMENTS . . . . .



## Section 6 – Graduation and Transfer Information

Palomar College provides occupational as well as general education for the student who plans to complete formal education at the community college level. In addition, the College provides the lower division requirements in general education and in preprofessional majors for those students who plan to transfer to upper division colleges and universities.

To assist the student in educational planning, this section of the catalog describes the graduation requirements for the Associate in Arts degree, the requirements for certificate programs, and information on transfer requirements.

### Associate in Arts (AA) Degree Requirements

#### I. Minimum Units

The Associate in Arts degree requires completion of a minimum of sixty (60) degree-applicable semester units. Courses numbered 1-49 do not count in the sixty (60) units toward the degree. (See the Course Numbering System and Transfer Identification listing.)

#### II. Grade Point Average (GPA)

Maintain a cumulative grade point average of 2.0 ('C' average) or higher for all degree-applicable course work attempted. Some specific programs may require a higher grade point average. Refer to the individual Programs of Study for further information. In calculating a student's degree applicable grade point average, grades earned in non-degree applicable courses, numbered 1 – 49, will not be included.

#### III. Residency

Complete a minimum of twelve (12) semester units in residence as an officially enrolled student at Palomar College.

#### IV. Major

There are three Associate in Arts degree options, General Studies, Specified Palomar Major, and Liberal Arts and Sciences. The District and General Education Requirements listed below apply to all three options.

##### Option 1 – General Studies

Study in general education providing maximum flexibility in program design leading to an Associate in Arts Degree. Students planning to transfer to a four-year institution are cautioned that this curriculum may not provide for completion of the lower division requirements for transfer to a four-year institution.

##### **Requirements**

1. Complete the AA Degree District Requirements.
2. Complete the AA Degree General Education Requirements.
3. Complete one General Studies Emphasis selected from Arts and Humanities, Science and Mathematics, or Social and Behavioral Sciences. See page 159 for a complete listing of Emphasis courses.
4. Complete electives, if needed, to obtain a minimum of 60 degree-applicable units.

##### Option 2 – Specified Palomar Major

Provides study in general education and an AA degree major designed as preparation for the workplace. Students planning to transfer to a four-year institution may need to meet additional requirements.

##### **Requirements**

1. Complete the AA Degree District Requirements.
2. Complete the AA Degree General Education Requirements.
3. Complete the Major Requirements as outlined in the program offerings.
4. Complete electives, if needed, to obtain a minimum of 60 degree-applicable units.

##### Option 3 – Liberal Arts and Sciences

Study in general education providing maximum flexibility in program design leading to the Associate in Arts Degree, while preparing for transfer to a four-year college or university. Students planning to transfer to a four-year institution will need additional requirements as preparation for a major.

##### **Requirements**

1. Complete the AA Degree District Requirements.
2. Complete one General Education transfer pattern as listed below:
  - a) Intersegmental General Education Transfer Curriculum (IGETC) for transfer to the University of California or California State University system
  - b) California State University General Education (CSUGE) Certification pattern
  - c) UCSD Transfer Admission Guarantee (TAG) contract
3. Complete electives, if needed, to obtain a minimum of 60 degree-applicable units.

Contact the Counseling Center (760) 744-1150, ext. 2180, for further information about any of the three AA degree options. Official transcripts from all institutions previously or concurrently attended must be on file with the Records Office.

#### V. District Requirements

##### **1. Competence in Reading and Written Expression**

Complete English 100 with a grade of 'C' or better.

##### **2. Competence in Mathematics**

Competence may be demonstrated by course completion or examination.

##### Course Completion:

Complete Mathematics 56 or 60 with a grade of 'C' or better.

##### Examination (acceptable tests and scores listed below):

Palomar College Assessment Tests:

ASSET: Minimum score of 24 on the intermediate algebra section

ASSET: Minimum score of 15 on the college algebra section

COMPASS: Minimum score of 57 on the college algebra section

CPT: Minimum score of 86 on the college-level mathematics section

National Tests:

ACT: Minimum score of 19 on the mathematics section

AP: Minimum score of 3 on the Calculus AB or BC exam

CLEP: Minimum score of 50 on an approved CLEP mathematics examination. See a counselor for a list of approved examinations.

SAT I: Minimum score of 550 on the mathematics section

##### **3. Competence in American History and Institutions/California Government**

Competence may be demonstrated by course completion or examination.

**Course Completion:**

Complete one of the following pairs of courses with grades of 'C' or better.

- Africana Studies 101 and 102
- American Indian Studies 101 and 102
- Chicano Studies 101 and 102 (*pending review*)
- History 101 and 102
- History 140 and 141
- Political Science 101 and 102 (*pending review*)

**Examination** (acceptable tests and scores listed below):

Palomar College departmental exam:

Successfully pass the competency test administered by the Economics, History, and Political Science Department

National Exams (also requires completion of Political Science 120 or 102 with a grade of 'C' or better):

AP: Minimum score of 3 on the American History exam

CLEP: Successfully pass the History of the U.S. I and II exams. Palomar College accepts the ACE (American Council on Education) recommended score for passing. See a counselor for further clarification.

SAT II: Minimum score of 550 on the United States History exam

Students who have completed the American Institutions requirement except for the California government portion must complete one of the following courses:

- Political Science 120 (1 unit)
- Political Science 102 (3 units)

**4. Competence in Health and Physical Education**

Competence may be demonstrated by course completion, examination, or military service.

**Course Completion:**

Complete Health 100 with a grade of 'C' or better.

Complete equivalent lecture and physical activity course work with grades of 'C' or better. See approved courses below.

Approved lecture courses (minimum of 9 units):

- Health/Family & Consumer Sciences 165 **and**
- Psychology 100 **and**
- Biology 105 or 106 or Zoology 145 or 200 or 203

Approved physical activity courses (minimum of 1 unit):

- Physical Education 125, 127, 128, 129, 130, 135, 136, 150, 151, or any Athletics and Competitive Sports course

**Examination** (acceptable tests and scores listed below):

Palomar College departmental exam:

Successfully pass both the written and physical activity competency tests administered by the Physical Education Department

**Military Service:**

United States military personnel and veterans may be given three units of credit with proof of 181 days of continuous active duty. Submit copy of forms DD214 or DD295 to the Records Office.

**Note:** Students in programs such as the Police Academy, Fire Academy, or the EME Paramedic program must meet the above course requirements. Students earning degrees in Nursing meet this requirement through completion of the nursing curriculum.

**5. Multicultural Requirement**

The overall goal of the Palomar College multicultural course requirement is to promote intercultural

understanding and

communication in local, national, and global contexts. Students may satisfy this requirement by completing a minimum of 3 units from the approved courses listed below. These courses may or may not satisfy another institution's multicultural requirement.

Students must be sure that the course is on the approved list during the academic year in which it is taken. The following courses will meet the requirement effective fall 1997, or with the semester noted in brackets. Courses taken prior to fall 1997 may not be used to meet this requirement.

Course equivalencies from other institutions may be accepted if the course meets the spirit of the Palomar Multicultural Course Requirement, i.e., it is focused on a study of culture and includes an emphasis on one or more of the four American subcultures listed in Palomar's requirement: African American, Latino/Latina, Asian or Pacific Islander, and Native American.

- Administration of Justice 103
- Africana Studies 120 [F98]
- American Indian Studies 100, 101, 105 [F99], 110 [F98], 115, 120, 125, 140 (dually listed as ANTH 140), 145, 150, 165 [F99]
- American Studies 100, 200 (dually listed as MCS 200 and SOC 200)
- Anthropology 105, 140 (dually listed as AIS 140)
- Chicano Studies 105 [F98]
- Communications 105 [F98]
- Counseling 110 [F01]; 120 [F01]
- Dance 101 [F98], 105 [F99]
- Drafting Technology 121
- Economics 115
- English 280 [F02]
- Family and Consumer Sciences 150 [F98]
- Fashion 132 [F98]
- History 121 [F99], 130, 140 [F03], 141 [F03]
- International Business 110 [F05]
- Legal Studies 240 [F99]
- Multicultural Studies 100 [F98], 165 [F98], 200 (dually listed as AMS 200 and SOC 200)
- Music 171 [F98]
- Nursing 103 plus Nursing 217 [F01]
- Nursing 110 plus Nursing 217 [F01]
- Paralegal Studies 240 [F99]
- Religious Studies 110
- Sociology 115 [F04], 200 (dually listed as AMS 200 and MCS 200)
- Speech 131

**VI. General Education Requirements**

Because changes may occur in the GE requirements for the AA degree, please check with the Counseling Office for an updated list of acceptable courses. No course may be used to satisfy more than one general education requirement.

**A. LANGUAGE AND RATIONALITY**  
(Complete a minimum of 3 units each from sections 1 and 2)

1. **English Composition**  
English 100
2. **Analytical Thinking and Oral Communication**  
Business 110  
Computer Science and Information Systems 105  
English 202, 203  
Journalism 101  
Mathematics 56, 60, 100, 105, 110, 115, 120, 130, 135, 140, 200

Philosophy 101, 102, 115, 120  
 Psychology 205  
 Reading 120  
 Sociology 205  
 Speech 100, 105

**B. NATURAL SCIENCES**  
 (Complete 3 units from courses listed below)

Anthropology 100, 100L  
 Astronomy 100, 105L, 200  
 Biology 100, 101, 101L, 102, 105, 106, 106L, 107, 110, 114, 114L, 118, 118L, 130, 131, 131L, 185, 200, 201  
 Botany 100, 101, 101L, 110, 115  
 Chemistry 100, 102, 110, 110L, 115, 115L, 210  
 Earth Sciences 100  
 Engineering 210  
 Family and Consumer Sciences 185  
 Geography 100, 100L, 110, 115, 125  
 Geology 100, 100L, 110, 120, 125, 150, 150L  
 Microbiology 200  
 Oceanography 100, 100L, 101, 115  
 Physical Science 100, 100L, 101, 101L  
 Physics 101, 102, 120, 200, 201, 230  
 Psychology 210  
 Zoology 100, 101, 101L, 115, 116, 116L, 120, 145, 145L, 200, 203, 205, 205L

**C. HUMANITIES**  
 (Complete 3 units from courses listed below)

Africana Studies 100, 115, 116  
 American Indian Studies 100, 105, 135, 141, 142, 143, 144, 145, 150, 151, 152, 153, 154  
 American Sign Language 100, 101, 110, 205, 206  
 American Studies 100  
 Anthropology 135, 155  
 Art 100, 102, 104, 105, 165, 166, 167, 168  
 Chicano Studies 100, 105, 110, 115, 155  
 Chinese 101, 101A, 101B, 102, 102A, 102B, 130, 201, 201A, 201B  
 Cinema 100, 102, 103, 110, 120  
 Dance 100, 101, 105  
 Drafting Technology 120  
 English as a Second Language 101, 102, 103  
 English 205, 210, 211, 215, 220, 221, 225, 226, 230, 240, 245, 250, 255, 260, 265, 270, 280, 290  
 Fashion 130, 132  
 French 101, 101A, 101B, 102, 102A, 102B, 131, 140, 201, 202  
 German 101, 101A, 101B, 102, 102A, 102B, 201, 202  
 Graphic Communications 101  
 History 105, 106  
 Humanities 100, 101, 150  
 Interior Design 115  
 Italian 101, 102, 201, 201A, 201B  
 Japanese 101, 101A, 101B, 102, 201, 202  
 Judaic Studies 100  
 Music 100, 101, 102, 103, 166, 167, 170, 171  
 Philosophy 100, 105, 110, 255  
 Photography 100, 125  
 Radio and Television 100  
 Religious Studies 101, 105, 110, 120  
 Spanish 101, 101A, 101B, 102, 102A, 102B, 201, 201A, 201B, 202, 240, 241  
 Speech 125  
 Tagalog 101, 102, 201  
 Theatre Arts 100, 125, 140, 141

**D. SOCIAL AND BEHAVIORAL SCIENCES**  
 (Complete 3 units from courses listed below)

Administration of Justice 100

Africana Studies 101, 102, 110, 120, 125, 126  
 American Indian Studies 101, 102, 120, 125, 130, 140, 165  
 American Studies 110, 200  
 Anthropology 105, 110, 115, 125, 126, 130, 140, 145, 150  
 Chicano Studies 101, 102, 120, 125  
 Child Development 100, 110, 115  
 Communications 100, 105  
 Economics 100, 101, 102, 110, 115  
 English 150  
 Family and Consumer Sciences 101  
 Geography 103, 105  
 History 101, 102, 107, 108, 110, 114, 130, 140, 141, 150, 151, 152  
 Judaic Studies 105  
 Legal Studies 121, 240  
 Multicultural Studies 100, 110, 165, 200  
 Paralegal Studies 121, 240  
 Political Science 100, 101, 102, 110  
 Psychology 100, 105, 110, 120, 130  
 Sociology 100, 105, 110, 115, 120, 200  
 Speech 120, 131

**E. INTEGRATED SELF AND LIFE-LONG LEARNING**  
 (Complete 3 units from courses listed below)

Business 100, 136  
 Child Development 100  
 Computer Science and Information Systems 105  
 Counseling 100, 110, 115, 120  
 Electronics and Computer Hardware Technology 160  
 Family and Consumer Sciences 105, 136, 150, 165  
 Gerontology/Geriatrics 120  
 Health 100, 165  
 Library Technology 120, 154  
 Psychology 105, 115, 125, 145  
 Reading 110  
 Sociology 105, 125, 145  
 Speech 115

**Additional Degree Information**

**Catalog Rights and Continuous Enrollment Criteria**

The catalog used to determine eligibility for graduation will be the catalog in use at the time the student began continuous enrollment at Palomar College. A student may also elect to graduate under the catalog in use during the semester of application for graduation.

Continuous enrollment is defined as attendance in one semester or two quarters (excluding summer) within a calendar year in the CSU, UC, or California Community College system. For example, a student attending Palomar College during the spring semester of a given year, not attending Palomar College, UC, or CSU during the following summer, but returning to Palomar the following fall semester, would be in continuous enrollment. If a student does not maintain continuous enrollment, the evaluation will be based on the requirements in effect at the time of return to Palomar College.

**Notice of Intent to Graduate**

When all District and General Education Requirements are completed or in progress, students should submit an Application for Graduation to the Evaluations Office in the Student Services Center, room SSC-40. Applications are available in the Counseling or Transfer Centers, the Evaluations Office, or online. Deadlines are strictly adhered to; applications must be submitted no later than the dates listed below.

Spring graduation – February 28th  
 Summer graduation – June 30th  
 Fall graduation – September 30th

### Second Associate in Arts Degree

1. A student who has received an AA degree, and maintained continuous enrollment, may pursue subsequent AA degrees by fulfilling the major requirements.
2. A student who has received an AA degree, but did not maintain continuous enrollment, may pursue a new program under the catalog of readmission.
3. A student who has received an AA degree, but did not maintain continuous enrollment, may pursue subsequent AA degrees by fulfilling the major, GE, and district requirements under the catalog of readmission.
4. A student with an AA degree from another college must pursue subsequent AA degrees at Palomar by fulfilling the major, GE, and district requirements under the catalog of readmission.
5. Subsequent diplomas and certificates are conferred in May.

## Certificate of Achievement (CA) Requirements

Official transcripts from all previous institutions attended must be on file with the Records Office. Students will be eligible to receive a Certificate of Achievement if they complete the specific course requirements as listed under the majors in the next section of the catalog. In addition to the course requirements, students should be aware of the following guidelines.

1. Fifty percent (50%) of a certificate program must be taken in residence at Palomar College. The remaining courses may be completed at other accredited institutions. Substitutions or waivers must be approved by the appropriate Department Chair/Director.
2. A grade of 'C' or higher must be achieved in all certificate courses except where other grade requirements are specified by law. A Department Chair/Director may waive one (1) 'D' grade with written justification.
3. Equivalent courses from other institutions may be determined by the Evaluations Office with the exception of Water/Wastewater Technology Education. Certificate credits or courses may be substituted or further equivalencies determined with written justification and approval of the Department Chair/Director.
4. Continuous enrollment is defined as attendance in one semester or two quarters (excluding summer) within a calendar year in the CSU, UC, or California Community College system. If a student does not maintain continuous enrollment, the evaluation will be based on the requirements in effect at the time of return to Palomar College.
5. It is the responsibility of the student to ensure satisfactory completion of the certificate requirements. When all requirements are completed or in-progress, students should submit an Application for Graduation to the Evaluations Office in the Student Services Center, room SSC-40. Applications are available in the Counseling or Transfer Centers, the Evaluations Office, or online. Deadlines are strictly adhered to; applications must be submitted no later than the dates listed below:
  - Spring graduation – February 28th
  - Summer graduation – June 30th
  - Fall graduation – September 30th

## Conferring of Degrees and Certificates of Achievement

Associate in Arts degrees and Certificates of Achievement will

be conferred formally at the Commencement ceremony held in May at the end of each spring semester. However, students will receive their degree or certificate following the close of the semester in which they apply for graduation.

## Certificate of Proficiency (CP) Requirements

Certificates of Proficiency are designed to certify basic workplace competencies and job readiness for students who are entering the workforce. In addition to course and certificate requirements, students should be aware of the following:

1. All courses required for each certificate must be taken in residence at Palomar College.
2. A grade of 'C' or higher must be achieved in all certificate courses except where other grade requirements are specified by law.
3. It is the responsibility of the student to ensure satisfactory completion of the certificate requirements. When all requirements are completed or in-progress, students should submit an application for the certificate to the Evaluations Office. Applications are available in the Counseling Center, Transfer Center, Evaluations Office, or online.
4. Applications must be submitted no later than:
  - Spring deadline – February 28th
  - Summer deadline – June 30th
  - Fall deadline – September 30th
5. Certificates of Proficiency are not awarded at the Palomar College Commencement Ceremony. Certificates will be mailed to students following the close of the semester in which they apply.

## Transfer Planning

Students planning to transfer to a four-year university have a wide variety of options. The California State University (CSU) with 23 campuses, the University of California (UC) with 9 campuses, and 77 private, independent colleges in California provide a wide range of academic programs, physical and academic environments, and social climates. Palomar College offers the equivalent of the first two years of these four-year college and university degrees. Students wishing to pursue any of these educational alternatives should meet with a counselor as early as possible to discuss their educational plan.

Successful transfer planning requires the following steps:

- Selecting an academic/career goal
- Selecting an appropriate major to meet your goal
- Selecting the most suitable college or university
- Developing and completing a course of study in preparation for transfer
- Completing the application process

Students are encouraged to take advantage of the resources and assistance available in the Transfer Center to successfully complete the steps listed above.

All colleges and universities have specific admission requirements, and may have course and unit requirements as well as minimum grade point averages that must be met prior to transfer. Four-year colleges and universities require students to complete specific general education requirements and major preparation requirements. Students should complete as many of these requirements as possible before they transfer. The Transfer and Counseling Centers maintain articulation agreements with many colleges and universities which list

courses that satisfy general education requirements and lower division major preparation for transfer.

## The California State University (CSU) System

The California System of State Universities and Colleges provides upper-division educational programs for California Community College transfer students.

Palomar College students wishing to transfer to a California State University may choose from the following campuses:

Bakersfield (Q)	California Maritime Academy (S)
Cal Poly, Pomona (Q)	Cal Poly, San Luis Obispo (Q)
Channel Islands (S)	Chico (S)
Dominguez Hills (Q)	Fresno (S)
Fullerton (S)	East Bay (Q)
Humboldt (S)	Long Beach (S)
Los Angeles (Q)	Monterey Bay (S)
Northridge (S)	Sacramento (S)
San Bernardino (Q)	San Diego (S)
San Francisco (S)	San Jose (S)
San Marcos (S)	Sonoma (S)
Stanislaus (4-1-4)	

S = Semester system; Q = Quarter system

Students planning to transfer to a California university should plan a program to meet the admissions and graduation requirements of the specific institution that they plan to attend. Transfer admission eligibility is based on transferable college units and/or high school record(s) and test scores. Each institution has its own requirements for admission and for junior standing. To prepare for transfer, students must decide which campus they will attend through research in the Transfer Center, SSC Building, and consult a counselor for the specific requirements for that particular campus and to create a written educational plan.

### Upper Division Transfer Admission Requirements

You are eligible for admission if you:

1. Have a college grade point average of 2.0 or better (2.4 for non-California residents) in all transferable college units completed.
2. Are in good standing at the last college or university attended, i.e., you are eligible to re-enroll.
3. Have completed or will complete prior to transfer at least 30 semester units (45 quarter units) of courses which include English Composition, Oral Communication, Critical Thinking, and Mathematics, with grades of 'C' or better in each course.
4. Have a total of 60 CSU transferable units.

Please be advised that these are **minimum entrance requirements**, and that they do not guarantee admission to any of the 23 CSU campuses. Many CSU campuses are currently requiring completion of all general education courses, as well as completion of all lower division major preparatory course work offered at the community college you are attending. GPA requirements will vary with the applicant pool. **Prospective transfer students are urged to make an appointment with a counselor to begin their transfer planning early.**

### Application Filing Periods

All California State Universities use a common admission process. Some campuses require supplemental application

materials. Students are encouraged to apply online at [www.csumentor.edu](http://www.csumentor.edu). Most campuses will acknowledge receiving your application within two to four weeks.

Fall Semester or Quarter	2006	October 1, 2005
Summer Semester or Quarter	2006	February 1, 2006
Winter Quarter	2007	June 1, 2006
Spring Semester or Quarter	2007	August 1, 2006

### General Education/Breadth Options

All campuses of the CSU system require a minimum of 48 semester units of general education. Thirty-nine of these units may be taken at community colleges. Students may fulfill the lower division general education requirements prior to transfer by completing one of the following three options:

1. The California State University General Education Certification pattern which will fulfill the lower division general education/breadth requirements for all CSU campuses.
2. The Intersegmental General Education Transfer Curriculum which will fulfill the lower division general education/breadth requirements for all CSU and most UC campuses.
3. The specific lower division general education/breadth requirements of the campus to which they intend to transfer.

The California State University General Education Certification pattern is listed below, and the Intersegmental General Education Transfer Curriculum pattern is listed on page 53. Students should consult a Palomar College counselor to determine which option is best suited for their educational objective.

### General Education Certification

Certification is a legal agreement between CSU and community colleges in California to assure that CSU lower division general education requirements have been satisfied.

Upon student request the Evaluations Office at Palomar College will provide certification of appropriate general education course work. Official transcripts from other colleges and universities must be on file before submitting the application, and will be reviewed for inclusion in the certification process.

## California State University General Education (CSUGE) Requirements

The following is a General Education pattern which will meet all lower-division General Education requirements at any CSU campus.

### **Minimum Units**

A minimum of 39 semester units is required for full certification of lower-division general education requirements.

### **Grade Point Average**

A minimum of 2.00 ('C' average) is required.

### **Foreign, Military, CLEP Information**

Palomar College will not include foreign course work, military training, or CLEP tests on the GE certification. Due to the varying policies in the acceptance of foreign transcripts, military schooling, and CLEP scores, the determination regarding their use is left to the transfer institution.

### **Application for Certification**

Upon enrollment in final requirements, students should submit

an Application for Transfer GE Certification to the Evaluations Office in the Student Services Center, room SSC-40. To be eligible for certification, 12 of the required 39 semester units must be completed at Palomar College.

### AREA A: COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING

9 units – one course required from each group below. Minimum grade of 'C' required.

1. **Oral Communication**  
Speech 100
2. **Written Communication**  
English 100\*
3. **Critical Thinking**  
English 202, 203  
Philosophy 101, 102, 115, 120  
Reading 120  
Speech 105

### AREA B: PHYSICAL UNIVERSE AND ITS LIFE FORMS

9 units – one course required from each group below. A lab course must be taken in either group 1 or 2.

1. **Physical Science**  
Astronomy 100, 105L, 120  
Chemistry 100, 102, 110\*, 110L\*, 115\*, 115L\*, 210  
Earth Sciences 100  
Geography 100, 100L, 110, 115, 125  
Geology 100, 100L, 110, 120, 125, 150, 150L  
Oceanography 100, 100L, 101, 115  
Physical Science 100, 100L, 101, 101L  
Physics 101, 102, 120, 200, 201, 230
2. **Life Science**  
Anthropology 100, 100L  
Biology 100\*, 101, 101L, 102, 105, 106, 106L, 107, 110, 114, 114L, 118, 118L, 120, 130, 131, 131L, 200, 201  
Botany 100, 101, 101L, 110, 115  
Microbiology 200  
Psychology 210  
Zoology 100, 101, 101L, 110, 111, 111L, 115, 116, 116L, 120, 145, 145L, 200, 203, 205, 205L
3. **Laboratory Activity**  
This requirement may be met by the completion of any lab course above in B-1 or B-2. The lab and lecture courses must be related subjects. Lab only courses are identified with an 'L' and courses with labs included are underlined.
4. **Mathematics/Quantitative Reasoning (Minimum grade of 'C' required)**  
Math 100, 105, 106, 110, 115, 120, 130, 135, 140\*, 141, 200, 205, 206  
Psychology 205  
Sociology 205

### AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGES

9 units – three courses required, with at least one in Arts and one in Humanities.

1. **Arts (Art, Dance, Music, Theatre)**  
American Indian Studies 105, 135  
Art 100, 102, 104, 105, 165\*, 166\*, 167, 168  
Cinema 100, 102, 103, 110, 120  
Dance 100, 101, 105  
Drafting Technology 120, 121  
Fashion 130

Graphic Communications 101  
Music 100, 101, 102, 103, 166, 167, 170, 171  
Photography 125  
Radio and Television 100  
Speech 125  
Theatre Arts 100, 125, 140, 141

### 2. Humanities (Literature, Philosophy, Foreign Language)

Africana Studies 115, 116  
American Indian Studies 100, 143, 144, 145, 150, 153, 154  
American Sign Language 100, 101, 110, 205, 206  
American Studies 100  
Anthropology 135, 155  
Chicano Studies 100, 105, 110, 115, 155  
Chinese 101, 101A, 101B, 102, 102A, 102B, 130, 201, 201A, 201B  
English 205\*, 210, 211, 215, 220, 221, 225, 226, 230, 240, 245, 250, 255, 260, 265, 270, 280, 290  
English as a Second Language 101, 102, 103  
French 101, 101A, 101B, 102, 102A, 102B, 131, 201, 202  
German 101, 101A, 101B, 102, 102A, 102B, 201\*, 202\*  
History 105\*, 106\*  
Humanities 100, 101  
Italian 101, 102, 201, 201A, 201B  
Japanese 101, 101A, 101B, 102, 201, 202  
Judaic Studies 100  
Philosophy 100, 105, 110, 255  
Religious Studies 101, 105, 110, 120  
Spanish 101, 101A, 101B, 102, 102A, 102B, 201\*, 201A, 201B, 202\*  
Tagalog 101, 102, 201

### AREA D: SOCIAL, POLITICAL, AND ECONOMIC INSTITUTIONS AND BEHAVIOR; HISTORICAL BACKGROUND

9 units – three courses required from at least two disciplines.

1. **Anthropology and Archaeology**  
Africana Studies 126  
American Indian Studies 130, 140  
Anthropology 105, 110, 115, 125, 126, 130, 140, 145, 150  
English 150
2. **Economics**  
Economics 100, 101, 102, 110, 115
3. **Ethnic Studies**  
Africana Studies 100, 101, 102, 110, 120, 125  
American Indian Studies 101, 102, 120, 125, 130, 140, 165  
American Studies 110, 200  
Anthropology 105, 115, 130, 140, 145  
Chicano Studies 101, 102, 120, 125  
History 150, 151  
Judaic Studies 105  
Multicultural Studies 100, 110, 165, 200  
Sociology 200
4. **Gender Studies**  
American Indian Studies 165  
History 130  
Psychology 130  
Sociology 115
5. **Geography**  
Geography 103, 105

**6. History**

Africana Studies 101, 102  
 American Indian Studies 101  
 Chicano Studies 101, 125  
 History 101\*, 102\*, 107, 108, 110, 114, 130, 140, 141, 150, 151, 152  
 Judaic Studies 105

**7. Interdisciplinary, Social or Behavioral Science**

Fashion 132  
 Speech 131

**8. Political Science, Government and Legal Institutions**

American Indian Studies 102  
 Africana Studies 110  
 Chicano Studies 102  
 Political Science 100, 101, 102, 110

**9. Psychology**

Child Development 100, 110  
 Family and Consumer Sciences 101  
 Psychology 100, 110, 120, 130  
 Sociology 120

**10. Sociology and Criminology**

Administration of Justice 100  
 Africana Studies 120  
 American Indian Studies 125  
 American Studies 200  
 Chicano Studies 120  
 Child Development 115  
 Communications 100, 105  
 Multicultural Studies 200  
 Psychology 105, 120  
 Sociology 100, 105, 110, 115, 120, 200  
 Speech 120

**AREA E: LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT**

**3 units – complete one course.**

Biology 185  
 Child Development 100  
 Computer Science and Information Systems 105  
 Counseling 110, 115, 120  
 Family and Consumer Sciences 105, 150, 165, 185  
 Gerontology/Geriatrics 120  
 Health 100, 165  
 Library Technology 154  
 Psychology 105, 115, 125, 145  
 Reading 110  
 Sociology 105, 125, 145  
 Speech 115

**AMERICAN HISTORY AND INSTITUTIONS REQUIREMENT**

All CSU campuses require completion of American History and Institutions courses. The following courses at Palomar have been approved to meet this requirement. Complete one pair of courses:

Africana Studies 101 and 102  
 American Indian Studies 101 and 102  
 Chicano Studies 101 and 102 (*pending review*)  
 History 101\* and 102\*  
 History 140 and 141  
 Political Science 101 and 102 (*pending review*)

**NOTE:** Only 3 of the 6 units used to meet this requirement may be counted in Area D.

\*Palomar credit for these courses may be earned by Advanced

Placement (AP) Examinations taken in high school. See the Counseling Office for appropriate exams and scores.

## The University of California (UC) System

The University of California is an integral part of the public education system of California. The campuses of the University of California are located in:

Berkeley (S)	Davis (Q)
Irvine (Q)	Los Angeles (Q)
Merced (S) *	Riverside (Q)
Santa Barbara (Q)	Santa Cruz (Q)
San Diego (Q)	San Francisco (Q) +

S = Semester system; Q = Quarter system

+ San Francisco is primarily for graduate level medical studies

Each campus of the University of California accepts course work from the California Community College system designated as UC transferable at full unit value. Students intending to transfer to the university will find it advantageous to complete their lower division requirements at Palomar College. A maximum of 70 UC transferable units is honored by the university campuses. To prepare for transfer, students must decide which college they will attend through research in the Transfer Center, SSC Building, and consult a counselor for the specific requirements for that particular campus and to create a written educational plan.

### Upper Division Transfer Admission Requirements

You are eligible for admission if you:

- Complete 60 semester (90 quarter) units of transferable college credit with a grade point average of at least 2.4 (2.8 or higher for non-resident students).
- Complete the following course pattern, earning a grade of 'C' or better in each course:
  - Two transferable college courses in English composition
  - One transferable college course in mathematical concepts and quantitative reasoning
  - Four transferable college courses chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

### Application Filing Periods

The University of California system includes nine campuses. All campuses, except for the San Francisco Medical School, follow similar entrance requirements and use a common application form. However, individual campuses may impose additional entrance criteria for impacted majors and programs. Consult the university catalog, a member of the Palomar College counseling staff, or <http://www.assist.org> for specific information.

Berkeley:

Fall Semester 2006	Nov. 1 – 30, 2005
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All other campuses:

Fall Quarter 2006	Nov. 1 – 30, 2005
Winter Quarter 2007	July 1 – 31, 2006
Spring Quarter 2007	Oct. 1 – 31, 2006

**NOTE:** Courses approved for IGETC will meet these admissions requirements for the University of California.

Students may transfer up to 70 UC transferable community



college units to the UC. A minimum 2.4 GPA is required for admission, but most of the UC campuses use a 2.8 or higher GPA depending upon the major.

Detailed information on how to make up missing high school subjects is available in the Counseling and Transfer Centers. A complete listing of all Palomar courses which transfer to the UC campuses is also available in both centers.

### **General Education/Breadth Options**

Each school and college at every UC campus has its own general education/breadth requirements. Students may fulfill the lower division general education/breadth requirements at any UC campus by completing one of the following two options:

1. The Intersegmental General Education Transfer Curriculum (IGETC) which will fulfill the lower division general education/breadth requirements for all UC and CSU campuses.\*
2. The specific lower division general education/breadth requirements of the campus they intend to transfer to.

The Intersegmental General Education Transfer Curriculum follows below and is also listed on the Assist website at <http://www.assist.org>. Students should consult a Palomar College counselor to determine which option is best suited for their educational objective.

\* Use of the IGETC to satisfy lower-division General Education requirements is either not allowed under some circumstances or not recommended for some majors. Consult a counselor regarding these restrictions.

### **General Education Certification**

Certification is a legal agreement between UC and community colleges in California to assure that UC lower division general education requirements have been satisfied.

The entire pattern must be completed prior to transfer. Upon enrollment in final requirements, the student should submit a request for certification, along with the Advising Guide (signed by a Counselor) to the Evaluations Office. Official transcripts from other colleges and universities must be on file before submitting the application, and will be reviewed for inclusion in the certification process.

### **Transfer Admission Guarantee Programs**

Palomar College has transfer admission guarantee programs with five UC campuses. All of these agreements guarantee admission into the university and some guarantee admission into the major.

Contracts may be signed after completing thirty (30) UC transferable units with a 2.8 grade point average. Students should consult with the Transfer Center as soon as possible in order to become familiar with the criteria and contract filing deadlines.

The following is a list of UC campuses with which Palomar College has admission guarantee programs.

#### **University of California, Davis (UCD)**

Palomar College has a Transfer Admission Agreement (TAA) with UC Davis, which guarantees admission to the university and to most of the majors.

#### **University of California, Riverside (UCR)**

Palomar College participates in a Transfer Admission Guarantee (TAG) program with UC Riverside, which guarantees admission to the university and all majors except Engineering.

#### **University of California, San Diego (UCSD)**

Palomar College participates in a Transfer Admission Guarantee

(TAG) program with UC San Diego, which guarantees admission to the university. This program allows transfer admission to the term of your choice.

#### **UCSD University Link Program**

Graduating North County high school seniors are eligible for this program which promotes preparation for guaranteed admission to UCSD. This program links Palomar students with activities, courses, and counselors from Palomar and UC San Diego. Contact the Counseling Center for more information.

#### **University of California, Santa Barbara (UCSB)**

Palomar College participates in a Transfer Admission Agreement (TAA) with UC Santa Barbara, which guarantees admission to the university and to most of the majors.

#### **University of California, Santa Cruz (UCSC)**

Palomar College has a Guaranteed Admission for Transfer Entry (GATE) program to UC Santa Cruz, which guarantees admission to the university.

## **Intersegmental General Education Transfer Curriculum (IGETC) Requirements – UC/CSU**

### **Please read before following the IGETC**

The IGETC is a general education pattern which will meet all lower-division general education requirements at most CSU or UC campuses.

It should be noted that completion of the IGETC is not a requirement for admission to CSU or UC, nor is it the only way to fulfill the lower-division general education requirements of the CSU or UC prior to transfer. Depending upon a student's major and field of interest, the student may find it advantageous to fulfill the CSU general education requirements, or those of the UC campus or college to which the student plans to transfer. Some colleges within the UC system will not accept IGETC. **It is strongly recommended that students consult with a counselor to determine which general education pattern is the most appropriate for them.**

### **Rules for using the IGETC pattern**

1. The entire pattern must be completed prior to transfer. Upon enrollment in final requirements, the student must submit a request for certification to the Evaluations Office.
2. All IGETC courses must be completed with a grade of 'C' or better. A 'C-' is not acceptable.
3. UC transfers need not complete the Oral Communication requirement (Area 1, Group C).
4. CSU transfers need not complete the Language Other Than English requirement. It is recommended that CSU transfers complete the U.S. History, Constitution, and American Ideals requirement prior to transfer.
5. Some UC transferable courses have credit limitations. For example, students may not earn UC credit for Botany 115 if taken after Botany 100. Specific limitations are indicated with the course descriptions in the PC Catalog.
6. Some UC campuses may not allow use of the IGETC for students who were previously enrolled at a UC campus. See your counselor for these restrictions.
7. Palomar can certify coursework completed at other California Community Colleges provided that it appears on their IGETC course list. Coursework completed at other colleges and universities may be included with

approval from PC faculty and the Evaluations Office. CLEP credit or foreign coursework will not be included on the IGETC certification.

8. Advanced Placement (AP) exams can be used to satisfy all areas of IGETC except for Areas 1B and 1C. AP exams with a minimum score of 3 may be used provided they equate to an approved IGETC course. Credit will be given for only one course per area.
9. Students wishing to use a course to meet an IGETC requirement must be sure that the course is on the approved list during the academic year in which it is taken. Refer to the statement and semester approval lists following the IGETC pattern.
10. For any exceptions to the above, contact the Articulation Officer in the Counseling Center.

### **AREA 1: ENGLISH COMMUNICATION**

**CSU: 3 courses, 9 semester units**

**UC: 2 courses, 6 semester units (1 each from groups A and B)**

#### **Group A: English Composition (1 course, 3 semester units)**

English 100

#### **Group B: Critical Thinking-English Composition (1 course, 3 semester units)**

English 202, 203  
Philosophy 115

#### **Group C: Oral Communication – CSU only (1 course, 3 semester units)**

Speech 100

### **AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING**

**(1 course, 3 semester units)**

Mathematics 110, 120, 130, 135, 140, 141, 200, 205, 206  
Psychology 205 (dually listed as SOC 205)  
Sociology 205 (dually listed as PSYC 205)

### **AREA 3: ARTS AND HUMANITIES**

**(3 courses, 9 semester units)**

Three courses required, with at least one from Arts and one from Humanities.

#### **Group A: Arts Courses**

American Indian Studies 105, 135  
Art 100, 165, 166, 167, 168  
Cinema 100, 102, 103, 110, 120  
Dance 100, 101, 105  
Music 100, 101, 102, 166, 167, 168, 170, 171  
Photography 125  
Theatre Arts 100, 140, 141

#### **Group B: Humanities Courses**

Africana Studies 115, 116  
American Indian Studies 100, 145, 150  
American Studies 100  
Anthropology 135, 145, 155  
Chicano Studies 100, 105, 110, 115, 155  
Chinese 130, 201  
English 205, 210, 211, 215, 220, 221, 225, 226, 230, 240, 245, 250, 255, 260, 265, 270, 280, 290  
French 131, 201, 202  
German 201, 202  
History 105, 106  
Humanities 100, 101  
Italian 201  
Japanese 201, 202  
Judaic Studies 100  
Philosophy 100, 101, 105, 110, 135, 136, 255  
Religious Studies 101, 105, 110, 120

Spanish 201, 202  
Tagalog 201

### **AREA 4: SOCIAL AND BEHAVIORAL SCIENCES (3 courses, 9 semester units)**

Three courses required from at least two disciplines. Dually listed courses, or those which appear in more than one group, may be counted only once.

#### **Group A: Anthropology and Archaeology**

Africana Studies 126  
American Indian Studies 130, 140  
Anthropology 105, 110, 115, 125, 126, 130, 140, 150  
English 150

#### **Group B: Economics**

Economics 100, 101, 102, 110, 115

#### **Group C: Ethnic Studies**

Africana Studies 100, 101#, 102#, 110, 120, 125  
American Indian Studies 101#, 102#, 110, 115, 120, 125, 130, 140, 165  
American Studies 110, 200  
Anthropology 105, 115, 130, 140  
Chicano Studies 101#, 102#, 120, 125  
History 150, 151  
Judaic Studies 105  
Multicultural Studies 100, 110, 165, 200  
Sociology 200

#### **Group D: Gender Studies**

American Indian Studies 165  
History 130  
Sociology 115

#### **Group E: Geography**

Geography 103, 105

#### **Group F: History**

American Indian Studies 101#, 102#  
Chicano Studies 101#, 125  
History 101#, 102#, 107, 108, 110, 114, 130, 140#, 141#, 150, 151, 152  
Judaic Studies 105

#### **Group G: Interdisciplinary, Social or Behavioral Science**

#### **Group H: Political Science, Government and Legal Institutions**

Africana Studies 110  
American Indian Studies 102#  
Chicano Studies 102#  
Political Science 100, 101#, 102#, 110, 125

#### **Group I: Psychology**

Child Development 100  
Psychology 100, 110, 120, 125  
Sociology 120, 125

#### **Group J: Sociology and Criminology**

Administration of Justice 100  
American Indian Studies 120, 125  
American Studies 200  
Chicano Studies 120  
Communications 100, 105  
Multicultural Studies 200  
Psychology 105, 120, 125  
Sociology 100, 105, 110, 115, 120, 125, 200  
Speech 120

# May not be used to meet Social and Behavioral Sciences requirement if used to meet the CSU American History and Institutions requirement.

**AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES (2 courses, 7-9 semester units)**

Two courses required - one Physical Science and one Biological Science course. At least one must include a laboratory. Lab only courses are indicated with an L, and courses with a lab included are underlined.

**Physical Science Courses**

Astronomy 100, 105L, 120  
 Chemistry 100, 102, 105, 110, 110L, 115, 115L, 210, 220, 221  
 Earth Science 100  
 Geography 100, 100L, 110, 115  
 Geology 100, 100L, 120, 150, 150L  
 Oceanography 100, 100L, 101, 115  
 Physical Science 100, 100L  
 Physics 101, 102, 120, 121, 200, 201, 230, 231, 232

**Biological Science Courses**

Anthropology 100, 100L  
 Biology 100, 101, 101L, 102, 105, 106, 106L, 107, 110, 114, 114L, 118, 118L, 130, 131, 131L, 200, 201  
 Botany 100, 101, 101L, 115  
 Microbiology 200  
 Psychology 210  
 Zoology 100, 101, 101L, 115, 116, 116L, 120, 145, 145L, 200, 203, 205, 205L

**LANGUAGE OTHER THAN ENGLISH – UC ONLY****Satisfy one of the following:**

1. Proficiency equivalent to two years of high school study in the same language with a grade of 'C' or better.
2. One of the following courses completed with a grade of 'C' or better:  
 American Sign Language 100, Chinese 101, French 101, German 101, Italian 101, Japanese 101, Spanish 101, Tagalog 101

**CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS**

- Not part of IGETC; may be completed prior to transfer.
- Complete one of the following pairs of courses:  
 Africana Studies 101 and 102; American Indian Studies 101 and 102; Chicano Studies 101 and 102 (*pending review*); History 101 and 102; History 140 and 141; Political Science 101 and 102 (*pending review*)

**NOTE:** Courses used to meet this requirement may not be used to satisfy requirements for Area 4 above.

The IGETC program began in Fall 1991. Course work completed prior to that term may be used for IGETC if it appeared on the 1991-92 IGETC course list. All courses taken in Fall 1991 or later must be on the approved IGETC list at the time they were taken. Courses added to the IGETC list are listed below with their approval date. It is important for students to have an updated list each year while at the community college.

**FALL 1992 Additions:**

AJ 100; BIOL 131L; BOT 115; CHEM 210; COMM 100, 105; ENG 202, 203; FREN 220, 225, 230; GEOG 110; MATH 200; MUS 170; PHIL 115; RUSS 220; ZOO 120, 145

**FALL 1993 Additions:**

BIOL 102, 118; CS 125; ENG 270, 280; MATH 150; MCS 165; SPCH 120; ZOO 145L, 203

**FALL 1994 Additions:**

No additions

**FALL 1995 Additions:**

AMS 200; CINE 120; HIST 150, 151; MCS 200; SOC 200

**FALL 1996 Additions:**

AIS 165; AS 126; ANTH 126; ART 163, 164; HIST 107, 108; MUS 171 ; OCN 101; PSYC 205; SOC 205

**FALL 1997 Additions:**

FREN 201, 210; GERM 201, 210; ITAL 101; JAPN 201, 210; LAT 201, 210; RUSS 201, 210; SPAN 201, 210

**FALL 1998 Additions:**

BIOL 107, 114, 118L; CHEM 102; DNCE 101; GEOG 115; HIST 109, 114; PHYS 115

**FALL 1999 Additions:**

AMS 110; MCS 110; OCN 115; PHSC 100L; PHYS 110; TAG 101

**FALL 2000 Additions:**

BIOL 114L

**FALL 2001 Additions:**

CHIN 130, 201; ITAL 201; TAG 201

**FALL 2002 Additions:**

ASL 100; CINE 102, 103; PHYS 101, 102, 200, 201

**FALL 2003 Additions:**

ANTH 100L; ENG 290

**FALL 2004 Additions:**

ENG 265

**Fall 2005 Additions:**

ANTH 125; GEOG 103; HIST 152; PSYC/SOC 105

## Independent California Colleges and Universities

There are 77 fully-accredited independent colleges and universities currently affiliated with the Association of Independent California Colleges and Universities (AICCU) providing a host of options at undergraduate, graduate, and professional levels for students planning to continue their education beyond Palomar College.

Admissions policies vary widely from one school to another, and virtually all institutions give full credit for general education courses and usually for courses designated for transfer by the community college. A good rule to follow for independent colleges as well as for out-of-state institutions is to expect full credit for courses which are parallel in scope and content to courses offered for credit to lower division "native" students at those institutions. Articulation agreements for many independent institutions are available in the Counseling Center.

Independent colleges are flexible in admission policies and in awarding credit. They invite interested students to make an appointment with their Office of Admissions in order to discuss transfer opportunities on a personal basis.

Financial aid may be a primary factor in considering attending an independent college. Most students cut the cost in half by attending the community college to complete the lower division course work and requirements. Information on financial aid and scholarships is available from the financial aid offices on independent college campuses as well as in the Financial Aid Office at Palomar College.

Students are advised to refer to the AICCU's web site at [www.aiccu.edu](http://www.aiccu.edu).

## Private and Out-of-State Universities

Palomar College offers courses similar to those offered in the lower division, or the first two years, of four-year colleges and universities. Since course requirements for graduation vary between colleges, it is to the student's advantage to choose the college or university to which he or she plans to transfer as early as possible.

Students are advised to complete the courses at Palomar College which best satisfy the lower division course requirements at that particular college or university to which he or she ultimately transfers. Lower division course requirements typically include a set of general education courses as well as a sequence of courses in the student's chosen major field of study.

Students are encouraged to meet with a counselor to develop an academic program best suited for their transfer institution and intended major. The Transfer and Counseling Centers maintain materials to assist students in their transfer planning.

# PROGRAMS AND COURSE OFFERINGS . . . . .



## Discipline and Program Offerings

AA: Associate in Arts Degree

CA: Certificate of Achievement

CP: Certificate of Proficiency

<b>Accounting</b> .....	<b>64</b>	Emphasis in Crafts (AA)	
Accounting (AA, CA)		Emphasis in Glass (AA)	
Bookkeeping/Accounting Clerk (CP)		Emphasis in Jewelry and Metalsmithing (AA)	
		Emphasis in Sculpture (AA)	
<b>Administration of Justice</b> .....	<b>65</b>	<b>Art – Design</b> .....	<b>90</b>
AJ – Law Enforcement (AA)		Graphic Design (AA)	
Basic Police Academy (CA)		<b>Art – Illustration</b> .....	<b>91</b>
		Illustration (AA)	
<b>Aeronautical Sciences</b> .....	<b>67</b>	<b>Astronomy</b> .....	<b>93</b>
Aeronautical Operations and Management (AA, CA)		Astronomy (AA, CA)	
Aircraft Commercial Pilot (AA, CA)		<b>Athletics and Competitive Sports</b> .....	<b>93</b>
		<b>Automotive Technology</b> .....	<b>94</b>
<b>Africana Studies</b> .....	<b>69</b>	Auto Body Work (AA, CA)	
Africana Studies (CP)		Auto Chassis and Drive Lines (AA, CA)	
		Electronic Tune-Up/Computer Control Sys (AA, CA)	
<b>Air Conditioning, Heating, and Refrigeration (ROP)</b> .....	<b>238</b>	Mechanics – General (AA, CA)	
Air Conditioning, Heating, and Refrigeration (CP)		<b>Automotive Technology (ROP)</b> .....	<b>238</b>
		Auto Body Work (AA, CA)	
<b>American Indian Studies</b> .....	<b>70</b>	<b>Biology</b> .....	<b>95</b>
American Indian Studies (CA)		Biology – General (AA, CA)	
		Biology – Preprofessional (AA, CA)	
<b>American Sign Language</b> .....	<b>72</b>	<b>Botany</b> .....	<b>98</b>
ASL/English Interpreter Training Program (AA, CA)		<b>Business Education</b> .....	<b>99</b>
<b>American Studies</b> .....	<b>74</b>	Advertising, Marketing, and Merchandising (AA, CA)	
<b>Anthropology</b> .....	<b>74</b>	Business Administration (AA)	
Archaeological Excavator (CA)		Business – General (AA)	
Archaeological Surveyor and Lab Assistant (CA)		Call Center Representative (CP)	
Archaeology (AA)		E-Business (CP)	
		Entrepreneurship (CP)	
<b>Apprenticeship Training</b> .....	<b>77</b>	Internet	
Carpentry (AA, CA)		Emphasis in Business Education (AA, CA)	
Drywall/Lather (AA, CA)		Emphasis in Graphic Communication (AA, CA)	
Electrician (AA, CA)		Retail Management (CA)	
Sheet Metal (AA, CA)		Salesperson – Retail (CP)	
Sound and Communication Systems Installer (AA, CA)		<b>Business Management</b> .....	<b>103</b>
Sound Technician (AA, CA)		Business Management (AA, CA)	
<b>Arabic</b> .....	<b>83</b>	<b>Cabinet and Furniture Technology</b> .....	<b>104</b>
<b>Art</b> .....	<b>84</b>	Cabinetmaking and Furniture Design (AA, CA)	
Digital Animation, Compositing, and Music (CP)		Cabinetmaking and Millwork (AA, CA)	
Graphic Design (AA)		Furniture Making (AA, CA)	
Illustration (AA)		<b>Chemistry</b> .....	<b>109</b>
Interactive Media Design		Chemistry (AA, CA)	
Emphasis in 3D Modeling and Animation (AA, CA)		<b>Chicano Studies</b> .....	<b>110</b>
Emphasis in Multimedia Design (AA, CA)		<b>Child Development</b> .....	<b>111</b>
Pictorial Arts		Child Development Teacher (AA, CA)	
Emphasis in Painting (AA)		Child Development Master Teacher (CA)	
Emphasis in Printmaking (AA)		Child Development Site Supervisor (CA)	
Three-Dimensional Arts			
Emphasis in Ceramics (AA)			

<b>Chinese</b> .....	<b>113</b>	<b>Customer Service Academy</b> .....	<b>249</b>
<b>Cinema</b> .....	<b>114</b>	<b>Dance</b> .....	<b>128</b>
Cinema (AA, CA)		Dance (AA, CA)	
		Dance Specialist for Children (CA)	
<b>Communications</b> .....	<b>115</b>	<b>Dental Assisting</b> .....	<b>133</b>
<b>Computer Science and Information Systems</b> .....	<b>115</b>	Dental Assisting/RDA (AA, CA)	
Cisco (CP)		<b>Diesel Mechanics Technology</b> .....	<b>135</b>
Computer Network Administration (AA)		Diesel Technology (AA, CA)	
Computer Science (AA, CA)		<b>Diesel Mechanics Technology (ROP)</b> ...	<b>243</b>
Desktop Support Specialist (CP)		Diesel Technology (AA, CA)	
Information Systems (AA, CA)		<b>Disability Resource</b> .....	<b>136</b>
Microsoft SQL Database Administrator (CP)		<b>Drafting Technology</b> .....	<b>136</b>
Microsoft Office User Specialist (CP)		Architectural Drafting Technology (AA, CA)	
Network Engineer (CP)		Computer Assisted Drafting (AA, CA)	
Oracle Database (CP)		Drafting Technology – Multimedia (AA, CA)	
UNIX Operating System (CP)		Drafting Technology – Technical (AA, CA)	
Video Game Artist (CP)		Electro-Mechanical Drafting and Design (AA, CA)	
Video Game Specialist (CP)		Interactive Media Design	
Visual Basic (CP)		Emphasis in 3D Modeling and Animation (AA, CA)	
Voice and Data Cable Installer (CP)		Emphasis in Multimedia Design (AA, CA)	
Web Developer		<b>Drafting Technology (ROP)</b> .....	<b>244</b>
Emphasis in Java/Open Source (CP)		<b>Earth Sciences</b> .....	<b>141</b>
Emphasis in Windows (CP)		<b>Economics</b> .....	<b>141</b>
Web Server Administrator		Economics (AA, CA)	
UNIX Emphasis (CP)		<b>Education</b> .....	<b>142</b>
Windows Emphasis (CP)		<b>Electro-Mechanical Equipment Technician</b> .....	<b>142</b>
<b>Computer Science and Information Systems (ROP)</b> .....	<b>239</b>	Electro-Mechanical Equipment Technician (CA)	
Applications Support Specialist (CP)		<b>Electronics and Computer Hardware Technology</b> .....	<b>142</b>
Computer Technology (AA, CA)		Advanced Electronic Technician (AA, CA)	
Microcomputer Operating Systems (CP)		Computer Hardware/Telecommunication Technician (AA, CA)	
Microcomputer Technology (CP)		Electronics Assembler (CP)	
PC Repair Technician (CP)		<b>Emergency Medical Education</b> .....	<b>144</b>
PC Support Technician (CP)		Paramedic Training (AA, CA)	
Software Applications Specialist (CP)		<b>Engineering</b> .....	<b>146</b>
<b>Construction Inspection</b> .....	<b>124</b>	Engineering (AA)	
Construction Inspection (AA, CA)		<b>English</b> .....	<b>148</b>
<b>Construction Technology</b> .....	<b>124</b>	English (AA)	
<b>Continuing Education</b> .....	<b>248</b>	<b>English as a Second Language</b> .....	<b>150</b>
<b>Cooperative Education</b> .....	<b>124</b>	<b>Entertainment Technology</b> .....	<b>151</b>
<b>Counseling</b> .....	<b>125</b>	Entertainment Technology (CP)	
<b>Culinary Arts</b> .....	<b>126</b>		
Culinary Arts (AA, CA)			
Culinary Skills (CP)			
Patisserie and Baking (CP)			
<b>Culinary Arts (ROP)</b> .....	<b>242</b>		
Culinary Arts (AA, CA)			
Culinary Skills (CP)			
Patisserie and Baking (CP)			

<b>Family and Consumer Sciences</b> ..... 152	<b>Graphic Communications (ROP)</b> ..... 245
Family and Consumer Sciences – General (AA, CA)	
<b>Fashion</b> ..... 153	<b>Health</b> ..... 174
Fashion Design/Entry-Level (CA)	
Fashion Design/Technical (AA)	
Fashion Merchandising/Entry-Level (CA)	<b>History</b> ..... 174
Fashion Merchandising Sales Associate (CP)	
Fashion Merchandising/Technical (AA)	<b>Humanities</b> ..... 175
<b>Fire Technology</b> ..... 156	<b>Industrial Technology</b> ..... 175
Fire Technology (AA, CA)	
<b>Foreign Languages</b> ..... 158	<b>Institutional Food Service Training</b> ..... 176
<i>(See Arabic, Chinese, French, German, Italian, Japanese, Spanish, Tagalog)</i>	Child Nutrition General Assistant (CP)
	Child Nutrition Site Manager (AA, CA)
	Child Nutrition Substitute (CP)
	Child Nutrition Technical Assistant (CP)
	Dietetic Service Supervisor (AA, CA)
<b>French</b> ..... 158	<b>Interior Design</b> ..... 177
	Interior Design (AA, CA)
<b>General Studies</b> ..... 159	<b>International Business</b> ..... 179
General Studies	International Business (AA, CA)
Arts and Humanities Emphasis (AA)	
Science and Mathematics Emphasis (AA)	<b>Italian</b> ..... 179
Social and Behavioral Sciences Emphasis (AA)	
<b>Geography</b> ..... 160	<b>Japanese</b> ..... 180
Geographic Information Systems (CP)	
<b>Geology</b> ..... 161	<b>Journalism</b> ..... 180
Geology (AA)	Journalism (AA, CA)
<b>German</b> ..... 162	<b>Judaic Studies</b> ..... 181
<b>Graphic Communications</b> ..... 164	<b>Legal Studies</b> ..... 181
Digital Animation, Compositing, and Music (CP)	Legal Studies (AA)
Digital Arts (CP)	<b>Liberal Studies</b> ..... 182
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## Course Information

Students are held responsible for understanding and fulfilling all requirements presented herein, and for understanding and fulfilling any changes in those requirements which may have occurred since the printing of the catalog. Students are advised to check at the division or department levels for these changes.

### Course Numbering System

Palomar College operates on a semester system. The course numbering system has meaning with regard to level and transfer. The college numbering system, effective summer 1990, is as follows:

1 – 49: Remedial or college preparatory courses which do not apply toward an A.A. degree and which are not intended for transfer to another community college or four-year college or university.

50 – 99: Courses which apply toward an AA degree but which are not intended for transfer to a four-year college or university.

100 – 299: Courses which count toward an AA degree and/or are intended for transfer to a four-year college or university (refer to Transfer Identification below). Freshman-level courses are generally given numbers from 100 – 199, and sophomore-level courses are generally given numbers from 200 – 299.

Courses numbered 100 through 299 are intended as lower division transferable course work. The final decision in regard to transferability rests with the institution to which the credits are transferred.

Numbers in parentheses indicate the units granted for a course.

### Transfer Identification

Courses at Palomar College which transfer to public four-year universities in California are identified at the beginning of each course description with the abbreviation CSU and/or UC.

The notation CSU means the course will transfer to the 23 campuses of the California State University system.

The notation UC means the course will transfer to the 9 campuses of the University of California system.

### California Articulation Number (CAN) System

The California Articulation Number System is one of several intersegmental projects designed to aid students in transferring between California's higher education campuses without loss of time, credit, or duplication of effort.

The California Articulation Number (CAN) system provides a cross-reference number for courses which have been evaluated by faculty and determined to be acceptable "in lieu of" each other. Only lower division, transferable, major preparation courses commonly taught on two- and four-year college and university campuses are included in the system.

The California Articulation Number System is not a common numbering system. Each campus retains its own course numbers, prefixes, and titles. The CAN (e.g. CAN ENGL 2) is listed parenthetically in catalog descriptions.

The CAN designation is assurance that the course or sequence of courses will be accepted in lieu of an identically designated course or sequence at all participating campuses in California.

Please note that the University of California (UC) campuses do not accept California Articulation Numbers (CAN).

Course lists may be found in the College Catalog and on the internet at [www.cansystem.org](http://www.cansystem.org).

### CAN Courses

Following is a list of Palomar College courses qualified in the CAN system at the time of catalog publication (subject to change).

<u>Palomar College Course</u>	<u>CAN Course</u>
ACCT 103+104	CAN BUS 2
ACCT 108	CAN BUS 4
ACCT 103+104+108	CAN BUS SEQ A
AJ 100	CAN AJ 2
ANTH 100	CAN ANTH 2
ANTH 105	CAN ANTH 4
ANTH 110	CAN ANTH 6
ART 102	CAN ART 8
ART 104	CAN ART 14
ART 105	CAN ART 16
ART 120	CAN ART 24
ART 130	CAN ART 20
ART 135	CAN ART 6
ART 165	CAN ART 2
ART 166	CAN ART 4
ART 165+166	CAN ART SEQ A
ART 220	CAN ART 10
ART 260	CAN ART 12
BIOL 100 or 101+101L	CAN BIOL 2
BOT 100	CAN BIOL 6
BUS 115	CAN BUS 8
BUS 117	CAN BUS 12
CHEM 100	CAN CHEM 6
CHEM 105	CAN CHEM 8
CHEM 100+105	CAN CHEM SEQ B
CHEM 110+110L	CAN CHEM 2
CHEM 115+115L	CAN CHEM 4
CHEM 110+110L+115+115L	CAN CHEM SEQ A
CHEM 210	CAN CHEM 12
CHIN 101+102	CAN CHIN SEQ A
COMM 100	CAN JOUR 4
CSIS 220	CAN CSCI 12
ECON 101	CAN ECON 2
ECON 102	CAN ECON 4
ENG 100	CAN ENGL 2
ENG 205	CAN ENGL 4
ENG 100+205	CAN ENGL SEQ A
ENG 210	CAN ENGL 8
ENG 211	CAN ENGL 10
ENG 210+211	CAN ENGL SEQ B
ENG 225	CAN ENGL 14
ENG 226	CAN ENGL 16
ENG 225+226	CAN ENGL SEQ C
ENGR 210	CAN ENGR 12
ENGR 235	CAN ENGR 8
ENGR 245	CAN ENGR4
FASH 105	CAN FCS 20
FASH 110	CAN FCS 6
FCS 165 OR HE 165	CAN FCS 2
FREN 101	CAN FREN 2
FREN 102	CAN FREN 4
FREN 101+102	CAN FREN SEQ A
FREN 201	CAN FREN 8
FREN 202	CAN FREN 10
FREN 201+202	CAN FREN SEQ B
GEOG 100	CAN GEOG 2
GEOG 105	CAN GEOG 4
GEOL 100	CAN GEOL 6
GEOL 100+100L	CAN GEOL 2

GERM 101	CAN GERM 2
GERM 102	CAN GERM 4
GERM 101+102	CAN GERM SEQ A
GERM 201	CAN GERM 8
GERM 202	CAN GERM 10
GERM 201+202	CAN GERM SEQ B
HIST 101	CAN HIST 8
HIST 102	CAN HIST 10
HIST 101+102	CAN HIST SEQ B
HIST 105	CAN HIST 2
HIST 106	CAN HIST 4
HIST 105+106	CAN HIST SEQ A
JAPN 101+102	CAN JAPN SEQ A
JOUR 101	CAN JOUR 2
MATH 100	CAN MATH 2
MATH 105	CAN MATH 4
MATH 110	CAN MATH 10
MATH 115	CAN MATH 8
MATH 120	CAN STAT 2
MATH 130	CAN MATH 30
MATH 135	CAN MATH 16
MATH 140	CAN MATH 18
MATH 141	CAN MATH 20
MATH 140+141	CAN MATH SEQ B
MATH 200	CAN MATH 26
MATH 205	CAN MATH 22
MATH 140+141+205	CAN MATH SEQ C
MATH 206	CAN MATH 24
MICR 200	CAN BIOL 14
MUS 105	CAN MUS 2
MUS 106	CAN MUS 4
MUS 105+106	CAN MUS SEQ A
PHIL 100	CAN PHIL 4
PHIL 101	CAN PHIL 2
PHIL 120	CAN PHIL 6
PHOT 100	CAN ART 18
PHYS 120	CAN PHYS 2
PHYS 121	CAN PHYS 4
PHYS 120+121	CAN PHYS SEQ A
PHYS 230	CAN PHYS 8
PHYS 231	CAN PHYS 12
PHYS 232	CAN PHYS 14
PHYS 230+231+232	CAN PHYS SEQ B
PSYC 100	CAN PSY 2
PSYC 205 OR SOC 205	CAN PSY 6
PSYC 210	CAN PSY 10
SOC 100	CAN SOC 2
SOC 110	CAN SOC 4
SPAN 101	CAN SPAN 2
SPAN 102	CAN SPAN 4
SPAN 101+102	CAN SPAN SEQ A
SPAN 201	CAN SPAN 8
SPAN 202	CAN SPAN 10
SPAN 201+202	CAN SPAN SEQ B
SPCH 100	CAN SPCH 4
SPCH 105	CAN SPCH 6
SURV 100+101	CAN ENGR 10
ZOO 100	CAN BIOL 4
ZOO 200	CAN BIOL 10
ZOO 203	CAN BIOL 12
ZOO 200+203	CAN BIOL SEQ B