

# Credit Courses and Programs 8



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## Section 8

### Programs and Course Offerings

AA: Associate in Arts Degree

AA-T: Associate in Arts Degree for Transfer

AS: Associate in Science Degree

AS-T: Associate in Science Degree for Transfer

CA: Certificate of Achievement

CP: Certificate of Proficiency

#### **Accounting ..... 81**

Accounting (AS, CA)

Bookkeeping/Accounting Clerk (CP)

#### **Administration of Justice ..... 82**

Administration of Justice – General (AS)

Administration of Justice – Homeland Security (AS)

Administration of Justice – Investigations (AS)

Administration of Justice – Law Enforcement (AS)

Basic Police Academy (CA)

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#### **Alcohol and Other Drug Studies ..... 86**

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#### **American Indian Studies ..... 87**

American Indian Studies (CA)

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#### **American Studies ..... 92**

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Archaeological Excavator (CA)

Archaeological Surveyor and Laboratory Assistant (CA)

Archaeology (AA)

#### **Apprenticeship Training ..... 95**

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Carpentry (AS, CA)

Drywall/Lather (AS, CA)

Electrician (AS, CA)

Inside Wireman (AS, CA)

Plasterer (AS, CA)

Sheet Metal (AS, CA)

Sound and Communication Systems Installer (AS, CA)

Sound Technician (AS, CA)

Work Experience

#### **Arabic ..... 107**

#### **Architecture ..... 108**

Architectural Drafting (AS, CA)

Architecture (AS, CA)

Eco-Building Professional (CA)

#### **Art ..... 109**

Digital Animation, Compositing and Music (CP)

Graphic Design (AS)

Illustration (AS)

Interactive Media Design

Emphasis in 3D Modeling and Animation (AS, CA)

Emphasis in Multimedia Design (AS, CA)

Pictorial Arts

Emphasis in Painting (AA)

Three-Dimensional Arts

Emphasis in Ceramics (AA)

Emphasis in Crafts (AA)

Emphasis in Glass (AA)

Emphasis in Jewelry and Metalsmithing (AA)

Emphasis in Sculpture (AA)

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Graphic Design (AS)

#### **Art – Illustration ..... 116**

Illustration (AS)

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#### **Athletics and Competitive Sports ..... 118**

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Auto Chassis and Drive Lines (AS, CA)

Auto Collision Repair (AS, CA)

Electronic Tune-Up and Computer Control Systems (AS, CA)

Mechanics – General (AS, CA)

#### **Aviation Sciences ..... 122**

Aviation Operations and Management (AS, CA)

Aircraft Commercial Pilot (AS, CA)

#### **Biology ..... 123**

Biology – General (AS, CA)

Biology – Preprofessional (AS, CA)

#### **Botany ..... 126**

#### **Business ..... 127**

Administrative Assistant (AS, CA)

Advertising, Marketing, and Merchandising (AS, CA)

Business Administration (AS-T)

Business – General (AS)

E-Marketing (AS, CA)

Medical Office Specialist (AS, CA)

Retail Management (CA)

#### **Business Management ..... 132**

Business Management (AS, CA)

#### **Cabinet and Furniture Technology ..... 133**

Cabinetmaking and Millwork (AS, CA)

Carving Technology (AS, CA)

Case Furniture Construction/Manufacturing (AS, CA)

Guitar Making Technology (AS, CA)

Lathe Turning Technology (AS, CA)

Table and Chair Manufacturing (AS, CA)

Veneering Technology (AS, CA)

Woodworking Skills Technology (AS, CA)

#### **Chemistry ..... 140**

Chemistry (AS, CA)

#### **Chicano Studies ..... 141**

#### **Child Development ..... 143**

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Child and Family Services (AS, CA)

Early Childhood Administration (AS, CA)

Early Childhood Education (AS-T)

Early Inclusion Teacher (AS, CA)

Infant/Toddler Teacher (AS, CA)

Preschool Teacher (AS, CA)

School Age Assistant (CP)



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Cinema (AA, CA)		<b>Emergency Medical Education</b> .....	180
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<b>Computer Science and Information Technology --</b>		Fire Technology – General (AS, CA)	
<b>Web Technology</b> .....	158	<b>Foreign Languages</b> .....	199
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Web Developer with Emphasis in Windows (CP)		<b>French</b> .....	199
<b>Construction Inspection</b> .....	159	French (AA, CA)	
Construction Inspection (AS, CA)		<b>General Studies</b> .....	200
<b>Cooperative Education</b> .....	160	General Studies	
<b>Counseling</b> .....	161	Arts and Humanities Emphasis (AA)	
<b>Dance</b> .....	162	Science and Mathematics Emphasis (AS)	
Dance – Emphasis in Euro-Western Dance (AA, CA)		Social and Behavioral Sciences Emphasis (AS)	
Dance – Emphasis in General Dance (AA, CA)		<b>Geography</b> .....	201
Dance – Emphasis in World Dance (AA, CA)		Advanced Geographic Information Systems (AS, CA)	
<b>Dental Assisting</b> .....	169	Geography (AA-T)	
Registered Dental Assisting (AS, CA)		Geographic Information Systems (CP)	
<b>Diesel Mechanics Technology</b> .....	170	<b>Geology</b> .....	204
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Digital Media (CP)		<b>Graphic Communications - Imaging &amp; Publishing</b> .....	206
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Entertainment Technology (CA)		Digital Imaging (AS, CA)	
Radio and Television (AA, CA)		Digital Prepress Operator (CP)	
<b>Disability Resource</b> .....	175	Electronic Publisher (CP)	
<b>Drafting Technology</b> .....	176	Graphic Communications Emphasis in Digital Distribution (AS, CA)	
Computer Assisted Drafting (AS, CA)		Graphic Communications Emphasis in Management (AS, CA)	
Drafting Technology – Multimedia (AS, CA)		Graphic Communications Emphasis in Production (AS, CA)	
Drafting Technology – Technical (AS, CA)		Screen Printer (CP)	
Electro-Mechanical Drafting and Design (AS, CA)		Screen Printing (AS, CA)	
Interactive Media Design			
Emphasis in 3D Modeling and Animation (AS, CA)			
Emphasis in Multimedia Design (AS, CA)			
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Digital Media (CP)		Adult Basic Education Certificate of Completion	
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E-Commerce Design (CP)		Career and Technical Education	
Interactive Media Design		Citizenship	
Emphasis in 3D Modeling and Animation (AS, CA)		Disability Education	
Emphasis in Multimedia Design (AS, CA)		English as a Second Language	
Interactive Web Multimedia and Audio (AS, CA)		English as a Second Language Certificate of Completion	
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New Media Compositing, Authoring, and Distribution (AS, CA)		<b>Nursing Education</b> .....	<b>242</b>
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Web Data Base Design (CP)		Nursing (AS)	
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<b>Industrial Technology</b> .....	<b>218</b>	Alternative Process Photography (CP)	
<b>Insurance</b> .....	<b>218</b>	Digital Imaging (AS, CA)	
Commercial and Personal Insurance Services (AS, CA)		Fine Art Traditional Photography (CP)	
Insurance Services (CP)		Photography (AA, CA)	
<b>Interior Design</b> .....	<b>219</b>	<b>Physical Science</b> .....	<b>251</b>
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<b>Italian</b> .....	<b>221</b>	Alcohol and Other Drug Studies (AA, CA)	
<b>Japanese</b> .....	<b>222</b>	Psychological and Social Services (AA, CA)	
<b>Journalism</b> .....	<b>222</b>	Psychology (AA-T)	
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<b>Legal Studies</b> .....	<b>231</b>	Escrow (AS, CA)	
Legal Studies (AA)		Real Estate Appraisal License Preparation (CP)	
Legal Support Assistant (CP)		Real Estate Broker License Preparation (AS, CA)	
<b>Library Technology</b> .....	<b>232</b>	Real Estate Salesperson License Preparation (CP)	
Library and Information Technology (AS, CA)		<b>Recreation</b> .....	<b>261</b>
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Mathematics (AS, AS-T)		Recreation Agency Leader (AA, CA)	
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<b>Multicultural Studies</b> .....	<b>236</b>	<b>Sociology</b> .....	<b>263</b>
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University Studies - Emphasis in Education (AA)	
University Studies - Emphasis in Fine and Performing Arts (AA)	
University Studies - Emphasis in Health and Fitness (AS)	
University Studies - Emphasis in Humanities (AA)	
University Studies - Emphasis in Mathematics and Science (AS)	
University Studies - Emphasis in Media and Communication (AS)	
University Studies - Emphasis in Social Sciences (AA)	
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## Degrees and Certificates

### Alphabetical by Title

AA: Associate in Arts Degree

AA-T: Associate in Arts Degree for Transfer

AS: Associate in Science Degree

AS-T: Associate in Science Degree for Transfer

CA: Certificate of Achievement

CP: Certificate of Proficiency

CN: Noncredit Certificate of Completion

Accounting (AS, CA) .....	81
Acoustical Installer (AS, CA) .....	95
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Administration of Justice – Homeland Security (AS) .....	82
Administration of Justice – Investigations (AS) .....	82
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Adult Fitness/Health Management (CA) .....	224
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Aircraft Commercial Pilot (AS, CA) .....	122
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Alternative Process Photography (CP) .....	248
American Indian Studies (CA) .....	87
Archaeological Excavator (CA) .....	92
Archaeological Surveyor and Laboratory Assistant (CA) .....	92
Archaeology (AA) .....	93
Architectural Drafting (AS, CA) .....	108
Architecture (AS, CA) .....	108
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Astronomy (AS, CA) .....	117
Auto Chassis and Drive Lines (AS, CA) .....	119
Auto Collision Repair (AS, CA) .....	120
Aviation Operations and Management (AS, CA) .....	122
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Child and Family Services (AS, CA) .....	143
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Fire Technology – General (AS, CA) .....	196
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General Studies - Emphasis in Science and Mathematics (AS) .....	201
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Information Technology (AA, CA) .....	154
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Interior Design (AS, CA) .....	219	University Studies - Emphasis in Health and Fitness (AS) .....	274
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Mathematics (AS, AS-T) .....	233	Wastewater Technology Education (AS, CA) .....	276
Mechanics – General (AS, CA) .....	120	Water Technology Education (AS, CA) .....	277
Medical Office Specialist (AS, CA) .....	129	Web Data Base Design (CP) .....	213
Multimedia Journalism (AS, CA) .....	223	Web Developer with Emphasis in Java/Open Source (CP) .....	158
Music (AA) .....	237	Web Developer with Emphasis in Windows (CP) .....	158
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Nursing (AS) .....	243	Woodworking Skills Technology (AS, CA) .....	135
Outdoor Leadership (AA, CA) .....	261		
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Photography (AA, CA) .....	248		
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Public Administration (AS, CA) .....	256		
Public Relations (CP) .....	151		
Public Works Management Level I (CA) .....	256		
Public Works Management Level II (AS, CA) .....	256		
Radio and Television (AA, CA) .....	173		
Real Estate Appraisal License Preparation (CP) .....	258		
Real Estate Broker License Preparation (AS, CA) .....	259		
Real Estate Salesperson License Preparation (CP) .....	259		
Recreation Agency Leader (AA, CA) .....	261		
Registered Dental Assisting (AS, CA) .....	169		
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School Age Assistant (CP) .....	146		
Screen Printer (CP) .....	207		
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Sheet Metal (AS, CA) .....	105		
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Sound and Communication Systems Installer (AS, CA) .....	106		
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Speech Communication (AA) .....	266		
Table and Chair Manufacturing (AS, CA) .....	134		
Technical Theatre (CA) .....	269		
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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 Student Learning Outcomes

Student Learning Outcomes identify the knowledge, skills, abilities and attitudes that students will be able to demonstrate at the end of a course or program of study. Student Learning Outcomes are assessed regularly, and assessment results are used for making improvements to the course, if necessary.

A list of Student Learning Outcomes for Palomar College courses is available at <http://www.palomar.edu/slo>. The list is updated twice annually.

General Education/Institutional Student Learning Outcomes are also available at <http://www.palomar.edu/slo/>

### 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 Associate 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 Associate degree but which are not intended for transfer to a four-year college or university.

100 – 299: Courses which count toward an Associate 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.

700 – 799: Apprenticeship courses which may apply toward certificate and Associate degree requirements.

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 10 campuses of the University of California system.

## Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that par-

ticipating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different California community colleges. However, students should always go to [www.assist.org](http://www.assist.org) to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one California community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at [www.assist.org](http://www.assist.org) for specific information on C-ID course designations. Counselors can help students interpret or explain this information.

## C-ID Courses

Following is a list of Palomar College courses with California C-ID Number approvals at the time of catalog publication. This list is subject to change as new C-ID Numbers become available.

Palomar College Course	C-ID Number
ACCT 201	C-ID ACCT 110
ACCT 202	C-ID ACCT 120
AJ 100	C-ID AJ 110
AJ 101	C-ID AJ 124
AJ 102	C-ID AJ 122
AJ 103	C-ID AJ 160
AJ 104	C-ID AJ 120
AJ 110	C-ID AJ 140
AJ 131	C-ID AJ 220
AJ 210	C-ID AJ 150
AMS 200	C-ID SOCI 150
BUS 100	C-ID BUS 110
BUS 205	C-ID BUS 115
CHDV 100	C-ID CDEV 100
CHDV 101	C-ID ECE 120
CHDV 105	C-ID ECE 200
CHDV 115	C-ID CDEV 110
CHDV 120	C-ID ECE 220



CHDV 172	C-ID ECE 230	PHYS 230, 231 and 232	C-ID PHYS 200S
CHDV 185	C-ID ECE 130	PSYC 100	C-ID PSY 110
CHDV 201	C-ID ECE 210	PSYC 110	C-ID PSY 180
COMM 100	C-ID JOUR 100	PSYC 115	C-ID PSY 115
COMM 104	C-ID JOUR 150	PSYC 120	C-ID PSY 170
CSIT 105	C-ID ITIS 120	PSYC 125	C-ID PSY 130
EME 100	C-ID KINE 101	PSYC 205	C-ID SOCI 125
ENG 202	C-ID ENGL 105	PSYC 210	C-ID PSY 150
ENG 203	C-ID ENGL 110	PSYC 225	C-ID PSY 120
ENTT 107	C-ID THTR 173	PSYC 230	C-ID PSY 205B
ENTT 108	C-ID THTR 172	SOC 100	C-ID SOCI 110
FASH 106	C-ID THTR 174	SOC 105	C-ID SOCI 130
FASH 109	C-ID THTR 175	SOC 110	C-ID SOCI 115
GEOG 100	C-ID GEOG 110	SOC 120	C-ID PSY 170
GEOG 100L	C-ID GEOG 111	SOC 125	C-ID PSY 130
GEOG 103	C-ID GEOG 125	SOC 135	C-ID SOCI 140
GEOG 105	C-ID GEOG 120	SOC 200	C-ID SOCI 150
GEOG 110	C-ID GEOG 130	SOC 205	C-ID SOCI 125
GEOG 120	C-ID GEOG 155	SPCH 100	C-ID COMM 110
GEOG 195	C-ID GEOG 160	SPCH 105	C-ID COMM 130
GEOL 100	C-ID GEOL 100	SPCH 131	C-ID COMM 150
GEOL 100L	C-ID GEOL 100L	TA 100	C-ID THTR 111
GEOL 150	C-ID GEOL 110	TA 106	C-ID THTR 174
GEOL 150L	C-ID GEOL 110L	TA 107	C-ID THTR 173
HE 104	C-ID KINE 101	TA 108	C-ID THTR 172
JOUR 101	C-ID JOUR 110	TA 109	C-ID THTR 175
JOUR 105	C-ID JOUR 130	TA 115	C-ID THTR 151
JOUR 140	C-ID JOUR 160	TA 116	C-ID THTR 152
MATH 200	C-ID MATH 250	TA 140	C-ID THTR 113
MCS 200	C-ID SOCI 150	TA 150	C-ID THTR 114
PHIL 141	C-ID PHIL 140	TA 191A	C-ID THTR 191
PHIL 201	C-ID PHIL 210	TA 191B	C-ID THTR 191
PHOT 140	C-ID JOUR 160	TA 191C	C-ID THTR 191
PHYS 120	C-ID PHYS 105	TA 191D	C-ID THTR 191
PHYS 121	C-ID PHYS 110		
PHYS 120 and 121	C-ID PHYS 100S		
PHYS 230	C-ID PHYS 205		
PHYS 231	C-ID PHYS 210		
PHYS 232	C-ID PHYS 215		

