Programs and Course Offerings

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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
CA: Certificate of Achievement
CP: Certificate of Proficiency

Accounting **73**
Accounting (AS, CA)
Bookkeeping/Accounting Clerk (CP)

Administration of Justice **74**
Administration of Justice – General (AA)
Administration of Justice – Homeland Security (AA)
Administration of Justice – Investigations (AA)
Administration of Justice – Law Enforcement (AA)
Basic Police Academy (CA)

Africana Studies **77**
Africana Studies (CP)

Alcohol and Other Drug Studies **78**
Alcohol and other Drug Studies (AS, CA)

American Indian Studies **79**
American Indian Studies (CA)

American Sign Language **82**
ASL/English Interpreter Training Program (AA, CA)

American Studies **84**

Anthropology **84**
Archaeological Excavator (CA)
Archaeological Surveyor and Laboratory Assistant (CA)
Archaeology (AA)

Apprenticeship Training **87**
Acoustical Installer (AS, CA)
Carpentry (AS, CA)
Drywall/Lather (AS, CA)
Electrician (AA, CA)
Inside Wireman (AS, CA)
Plasterer (AS, CA)
Residential Wireman (AA, CA)
Sheet Metal (AA, CA)
Sound and Communication Systems Installer (AA, CA)
Sound Technician (AA, CA)

Arabic **101**

Architecture **102**
Architectural Drafting (AA, CA)
Eco-Building Professional (CA)

Art **103**
Digital Animation, Compositing and Music (CP)
Graphic Design (AA)
Illustration (AA)
Interactive Media Design
  Emphasis in 3D Modeling and Animation (AA, CA)
  Emphasis in Multimedia Design (AA, CA)
Pictorial Arts
  Emphasis in Painting (AA)
  Emphasis in Printmaking (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)

Art – Design **110**
Graphic Design (AA)

Art – Illustration **111**
Illustration (AA)

Astronomy **112**
Astronomy (AA, CA)

Athletics and Competitive Sports **113**

Automotive Technology **114**
Auto Chassis and Drive Lines (AA, CA)
Auto Collision Repair (AA, CA)
Electronic Tune-Up and Computer Control Systems (AA, CA)
Mechanics – General (AA, CA)

Aviation Sciences **117**
Aviation Operations and Management (AA, CA)
Aircraft Commercial Pilot (AA, CA)

Biology **118**
Biology – General (AA, CA)
Biology – Preprofessional (AA, CA)

Botany **121**

Business **121**
Advertising, Marketing, and Merchandising (AS, CA)
Business Administration (AS)
Business – General (AS)
E-Business (CP)
E-Marketing (AA, CA)
Entrepreneurship (CP)
Internet
  Emphasis in Business Education (AA, CA)
Retail Management (CA)
Salesperson – Retail (CP)

Business Management **126**
Business Management (AA, CA)

Cabinet and Furniture Technology **127**
Cabinetmaking and Furniture Design (AA, CA)
Cabinetmaking and Millwork (AA, CA)
Furniture Making (AA, CA)

Chemistry **134**
Chemistry (AA, CA)

Chicano Studies **135**

Child Development **136**
Assistant Teacher (CP)
Early Childhood Administration (AA, CA)
Early Intervention Assistant (AA, CA)
Early Intervention Teacher (AA, CA)
Infant/Toddler Teacher (AA, CA)
Preschool Teacher (AA, CA)
School Age Assistant (CP)
Working with Families (AA, CA)

Chinese **142**

Cinema **143**
Cinema (AA, CA)

Communications **144**
Public Relations (CP)

Computer Science and Information Systems -- Computer Science **144**
Computer Science (AA, CA)
Computer Science with Emphasis in Video Gaming (AA, CA)
Java Software Development (CP)
Linux (CP)
Mac Programming (CP)
Video Game Artist (CP)
Video Game Developer (CP)

Computer Science and Information Systems -- Information Technology **148**
Information Technology (AA, CA)
Visual Basic (CP)

Computer Science and Information Systems -- Networking **149**
Computer Network Administration with Emphasis: Cisco (AS, CA)
Computer Network Administration with Emphasis: Microsoft (AS, CA)
Computer Network Administration with Emphasis: Linux (AS, CA)

Computer Science and Information Systems -- Web Technology **151**
Web Developer with Emphasis in Java/Open Source (CP)
Web Developer with Emphasis in Windows (CP)
Web Server Administrator with Emphasis in Linux (CP)
Web Server Administrator with Emphasis in Windows (CP)

Construction Inspection **153**
Construction Inspection (AS, CA)

Cooperative Education **154**

Counseling **155**

Dance **155**

Dental Assisting **161**
Registered Dental Assisting (AA, CA)

Diesel Mechanics Technology **163**
Diesel Technology (AA, CA)

Disability Resource **164**

Drafting Technology **165**
Computer Assisted Drafting (AA, CA)
Drafting Technology – Multimedia (AA, CA)
Drafting Technology – Technical (AA, CA)
Electro-Mechanical Drafting and Design (AA, CA)
Interactive Media Design
Emphasis in 3D Modeling and Animation (AA, CA)
Emphasis in Multimedia Design (AA, CA)

Earth Sciences **168**

Economics **168**
Economics (AA, CA)

Emergency Medical Education **169**
EMT-Basic (CP)
Paramedic Training (AA, CA)

Engineering **173**
Engineering (AA)

English **174**
English (AA)

English as a Second Language **177**

Entertainment Technology **178**
Entertainment Technology (CA)

Family and Consumer Sciences **179**
Family and Consumer Sciences – General (AA, CA)

Fashion **180**
Fashion Design/Technical (AA)
Fashion Merchandising (AA)

Fire Technology **183**
Fire Technology – Emergency Management (AS, CA)
Fire Technology – General (AS, CA)

Foreign Languages **186**
(See also Arabic, Chinese, French, German, Italian, Japanese, Spanish)

French **187**
French (AA, CA)

General Studies **188**
General Studies
Arts and Humanities Emphasis (AA)
Science and Mathematics Emphasis (AA)
Social and Behavioral Sciences Emphasis (AA)

Geography **189**
Advanced Geographic Information Systems (AS, CA)
Geographic Information Systems (CP)

Geology **191**
Geology (AA)

German **192**

Graphic Communications **192**

Graphic Communications - Imaging & Publishing **193**
Digital Arts (CP)
Digital Imaging (AA, CA)
Digital Prepress Operator (CP)
Electronic Publisher (CP)
Graphic Communications Emphasis in Electronic Publishing (AA, CA)
Graphic Communications Emphasis in Management (AA, CA)
Graphic Communications Emphasis in Production (AA, CA)
Screen Printer (CP)
Screen Printing (AA, CA)

Graphic Communications - Multimedia & Web 197
Digital Animation, Compositing, and Music (CP)
Digital Media (CP)
Digital Video (AA, CA)
E-Commerce Design (CP)
Interactive Media Design
Emphasis in 3D Modeling and Animation (AS, CA)
Emphasis in Multimedia Design (AA, CA)
Interactive Web Multimedia and Audio (AA, CA)
Internet
Emphasis in Graphic Communication (AA, CA)
New Media Compositing, Authoring, and Distribution (AA, CA)
Video Game Artist (CP)
Web Data Base Design (CP)

Health 203

History 204

Humanities 205

Industrial Technology 205

Insurance 205
Commercial and Personal Insurance Services (AS, CA)
Insurance Services (CP)

Interior Design 206
Interior Design (AS, CA)

International Business 208
International Business (AS, CA)

Italian 209

Japanese..... 209

Journalism 210
Broadcast Journalism (CP)
Journalism (AA, CA)

Judaic Studies 211

Kinesiology 211
Adult Fitness/Health Management (CA)
Kinesiology (AA)

Legal Studies 216
Legal Studies (AA)
Legal Support Assistant (CP)

Library Technology 217
Library and Information Technology (AS, CA)

Mathematics 218
Mathematics (AA)

Microbiology 220

Multicultural Studies 221
(See also Africana Studies, American Indian Studies, American Studies, Chicano Studies, Judaic Studies)

Music 222
Digital Animation, Compositing, and Music (CP)
Music (AA)

Noncredit 274
Adult Basic Education
Adult Basic Education Certificate of Completion
Basic Education
Career and Technical Education
Citizenship
Disability Education
English as a Second Language
English as a Second Language Certificate of Completion
Health and Safety Education

Nursing Education 227
Nursing (AA)
Nursing (AS)

Oceanography 230

Office Information Systems 231
Administrative Assistant (AA, CA)
Data Entry(CP)
International Administrative Assistant (AA, CA)
Medical Language Specialist (AA, CA)
Medical Office Management (AA, CA)
Receptionist (CP)
Virtual Assistant (CP)

Philosophy 235

Photography 236
Commercial Photography (CP)
Digital Imaging (AA, CA)
Fine Art Photography (CP)
Photography (AA, CA)

Physical Science 238

Physics 239

Political Science 239

Psychology 240
Alcohol and Other Drug Studies (AA, CA)
Psychological and Social Services (AA, CA)
Psychology (AA-T)

Public Administration 243
Public Administration (AA, CA)

Public Works Management 243
Public Works Management - Level I (CA)
Public Works Management - Level II (AA, CA)

Radio and Television 244
Broadcast Journalism (CP)
Digital Media (CP)
Digital Video (AA, CA)
Entertainment Technology (CA)
Radio and Television (AA, CA)

Reading 248

Real Estate 248
Escrow (AS, CA)
Real Estate Appraisal License Preparation (CP)
Real Estate Broker License Preparation (AS, CA)
Real Estate Salesperson License Preparation (CP)

Recreation **251**
Outdoor Leadership (AA, CA)
Recreation Agency Leader (AA, CA)

Religious Studies **252**

Sociology **253**
Sociology (AA-T)

Spanish **255**

Speech **256**
Speech Communication (AA)

Theatre Arts **257**
Entertainment Technology (CA)
Theatre Arts (AA)
Theatre – Technical (CA)

University Studies **260**
California State University General Education Breadth (CA)
Intersegmental General Education Transfer Curriculum (CA)
University Studies - Emphasis in Business (AA)
University Studies - Emphasis in Culture and Society (AA)
University Studies - Emphasis in Education (AA)
University Studies - Emphasis in Fine and Performing Arts (AA)
University Studies - Emphasis in Health and Fitness (AA)
University Studies - Emphasis in Humanities (AA)
University Studies - Emphasis in Mathematics and Science (AA)
University Studies - Emphasis in Media and Communication (AA)
University Studies - Emphasis in Social Sciences (AA)
University Studies - Emphasis in World Languages (AA)

Upholstery **263**
Upholstery (CP)

Wastewater Technology Education **264**
Wastewater Technology Education (AS, CA)

Water Technology Education **265**
Water Technology Education (AS, CA)

Welding **266**
Entry-Level Gas Metal Arc/Flux Cored Arc Welding (CP)
Entry-Level Gas Tungsten Arc Welding (CP)
Entry-Level Shielded Metal Arc Welding (CP)
Welding Technology (AA, CA)

Women's Studies **269**
Women's Studies (AA)

Zoology **269**

Degrees and Certificates
Alphabetical by Title

AA: Associate in Arts Degree
A.A-T: Associate in Arts for Transfer
AS: Associate in Science Degree
CA: Certificate of Achievement
CP: Certificate of Proficiency
NC: Noncredit

Accounting (AS, CA) 73
Acoustical Installer (AS, CA) 87
Administration of Justice – General (AA) 74
Administration of Justice – Homeland Security (AA) 74
Administration of Justice – Investigations (AA) 75
Administration of Justice – Law Enforcement (AA) 75
Administrative Assistant (AA, CA) 231
Adult Basic Education (NC) 274
Adult Fitness/Health Management (CA) 211
Advanced Geographic Information Systems (AS, CA) 189
Advertising, Marketing, and Merchandising (AS, CA) 122
Aircraft Commercial Pilot (AA, CA) 117
Alcohol and Other Drug Studies (AS, CA) 78, 240
American Indian Studies (CA) 79
Archaeological Excavator (CA) 84
Archaeological Surveyor and Laboratory Assistant (CA) 85
Archaeology (AA) 85
Architectural Drafting (AA, CA) 102
Architecture (AA, CA) 102
ASL/English Interpreter Training Program (AA, CA) 82
Assistant Teacher (CP) 136
Astronomy (AA, CA) 112
Auto Chassis and Drive Lines (AA, CA) 114
Auto Collision Repair (AA, CA) 115
Aviation Operations and Management (AA, CA) 117
Basic Police Academy (CA) 75
Biology – General (AA, CA) 118
Biology – Preprofessional (AA, CA) 119
Bookkeeping/Accounting Clerk (CP) 73
Broadcast Journalism (CP) 210, 245
Business – General (AS) 122
Business Administration (AS) 122
Business Management (AA, CA) 126
Cabinetmaking and Furniture Design (AA, CA) 127
Cabinetmaking and Millwork (AA, CA) 128
California State University General Education Breadth (CA) 261
Carpentry (AS, CA) 88
Chemistry (AA, CA) 134
Cinema (AA, CA) 143
Commercial and Personal Insurance Services (AS, CA) 206
Commercial Photography (CP) 236
Computer Assisted Drafting (AA, CA) 165
Computer Network Administration with Emphasis: Cisco (AS, CA) 149
Computer Network Administration with Emphasis: Microsoft (AS, CA) 150
Computer Network Administration with Emphasis: Linux (AS, CA) 149
Computer Science (AA, CA) 144
Computer Science with Emphasis in Video Gaming (AA, CA) 145
Construction Inspection (AS, CA) 153
Data Entry (CP) 232
Diesel Technology (AA, CA) 163
Digital Animation, Compositing and Music (CP) 104, 197, 222
Digital Arts (CP) 193
Digital Imaging (AA, CA) 193, 236
Digital Media (CP) 197, 245
Digital Prepress Operator (CP) 193
Digital Video (AA, CA) 198, 245
Drafting Technology – Multimedia (AA, CA) 165
Drafting Technology – Technical (AA, CA) 166
Drywall/Lather (AS, CA) 92
Early Childhood Administration (AA, CA) 136
Early Intervention Assistant (AA, CA) 137
Early Intervention Teacher (AA, CA) 137
E-Business (CP) 122
Eco Building Professional (CA) 102
E-Commerce Design (CP) 198
Economics (AA, CA) 168
Electrician (AA, CA) 94
Electro-Mechanical Drafting and Design (AA, CA) 166
Electronic Publisher (CP) 193
Electronic Tune-Up and Computer Control Systems (AA, CA) 115
EMT-Basic (CP) 170
Engineering (AA) 173
English (AA) 174
English as a Second Language (NC) 275
Entertainment Technology (CA) 178, 245, 257
Entrepreneurship (CP) 123
Entry-Level Gas Metal Arc/Flux Cored Arc Welding (CP) 267
Entry-Level Gas Tungsten Arc Welding (CP) 267
Entry-Level Shielded Metal Arc Welding (CP) 267
Escrow (AS, CA) 248
Family and Consumer Sciences – General (AA, CA) 179
Fashion Design/Technical (AA) 180
Fashion Merchandising (AA) 180
Fine Art Photography (CP) 236
Fire Technology – Emergency Management (AS, CA) 183
Fire Technology – General (AS, CA) 184
French (AA, CA) 187
Furniture Making (AA, CA) 128
General Studies - Emphasis in Arts and Humanities (AA) 188
General Studies - Emphasis in Science and Mathematics (AA) 188
General Studies - Emphasis in Social and Behavioral Sciences (AA) 188
Geographic Information Systems (CP) 189
Geology (AA) 191
Graphic Communications - Emphasis in Electronic Publishing (AA, CA) 193
Graphic Communications - Emphasis in Management (AA, CA) 194
Graphic Communications - Emphasis in Production (AA, CA) 194
Graphic Design (AA) 104, 110
Illustration (AA) 104, 111
Infant/Toddler Teacher (AA, CA) 137
Information Technology (AA, CA) 148
Inside Wireman (AS, CA) 95
Insurance Services (CP) 206
Interactive Media Design, Emphasis in 3D Modeling and Animation (AS, CA) 105, 166, 198
Interactive Media Design, Emphasis in Multimedia Design (AA, CA) 105, 166, 198
Interactive Web Multimedia and Audio (AA, CA) 199
Interior Design (AS, CA) 206
International Administrative Assistant (AA, CA) 232

International Business (AS, CA) 208
Internet - Emphasis in Business Education (AA, CA) 123
Internet - Emphasis in Graphic Communication (AA, CA) 199
Intersegmental General Education Transfer Curriculum (CA) 261
Java Software Development (CP) 145
Journalism (AA, CA) 210
Kinesiology (AA) 212
Legal Studies (AA) 216
Legal Support Assistant (CP) 216
Library and Information Technology (AS, CA) 217
Linux (CP) 145
Mac Programming (CP) 145
Mathematics (AA) 218
Mechanics – General (AA, CA) 115
Medical Language Specialist (AA, CA) 232
Medical Office Management (AA, CA) 232
Music (AA) 222
New Media Compositing, Authoring, and Distribution (AA, CA) 199
Nursing (AA) 227
Nursing (AS) 228
Outdoor Leadership (AA, CA) 251
Paramedic Training (AA, CA) 170
Photography (AA, CA) 236
Pictorial Arts, Emphasis in Painting (AA) 105
Pictorial Arts, Emphasis in Printmaking (AA) 105
Plasterer (AS, CA) 97
Preschool Teacher (AA, CA) 138
Psychological and Social Services (AA, CA) 241
Psychology (AA-T) 241
Public Administration (AA, CA) 243
Public Relations (CP) 144
Public Works Management Level I (CA) 243
Public Works Management Level II (AA, CA) 244
Radio and Television (AA, CA) 245
Real Estate Appraisal License Preparation (CP) 249
Real Estate Broker License Preparation (AS, CA) 249
Real Estate Salesperson License Preparation (CP) 250
Receptionist (CP) 232
Recreation Agency Leader (AA, CA) 252
Registered Dental Assisting (AA, CA) 162
Residential Wireman (AA, CA) 98
Retail Management (CA) 124
Salesperson – Retail (CP) 124
School Age Assistant (CP) 138
Screen Printer (CP) 195
Screen Printing (AA, CA) 195
Sheet Metal (AA, CA) 99
Sociology (AA-T) 253
Sound and Communication Systems Installer (AA, CA) 100
Sound Technician (AA, CA) 100
Speech Communication (AA) 256
Theatre – Technical (CA) 258
Theatre Arts (AA) 258
Three Dimensional Arts - Emphasis in Ceramics (AA) 106
Three Dimensional Arts - Emphasis in Crafts (AA) 106
Three Dimensional Arts - Emphasis in Glass (AA) 106
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University Studies - Emphasis in Business (AA) 261
University Studies - Emphasis in Culture and Society (AA) 261
University Studies - Emphasis in Education (AA) 262
University Studies - Emphasis in Fine and Performing Arts (AA) 262
University Studies - Emphasis in Health and Fitness (AA) 262
University Studies - Emphasis in Humanities (AA) 262
University Studies - Emphasis in Mathematics and Science (AA) 262
University Studies - Emphasis in Media and Communication (AA) 263
University Studies - Emphasis in Social Sciences (AA) 263
University Studies - Emphasis in World Languages (AA) 263
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Video Game Developer (CP) 146
Virtual Assistant (CP) 233
Visual Basic (CP) 148
Wastewater Technology Education (AS, CA) 264
Water Technology Education (AS, CA) 265
Web Data Base Design (CP) 200
Web Developer with Emphasis in Java/Open Source (CP) 151
Web Developer with Emphasis in Windows (CP) 152
Web Server Administrator with Emphasis in Linux (CP) 152
Web Server Administrator with Emphasis in Windows (CP) 152
Welding Technology (AA, CA) 267
Women's Studies (AA) 269
Working with Families (AA, CA) 138

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 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.

700 – 799: Apprenticeship courses apply toward certificate and AA degree.

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.