

# Arts Management Occupational Group

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*Los Angeles, Riverside, and San Bernardino counties*

## Occupations in the Arts Management Occupational Group

The following occupations are included in the arts management occupational group. These occupations were selected by Chaffey Arts Management facility as good targets for small business and entrepreneurship training beyond their artistic skills to manage the business side of their craft.

- Artists and Related Workers, All Other
- Commercial and Industrial Designers
- Craft Artists
- Fashion Designers
- Fine Artists, Including Painters, Sculptors, and Illustrators
- Graphic Designers
- Interior Designers
- Multimedia Artists and Animators
- Musicians and Singers
- Photographers

## Job Opportunities

In 2016, there were more than 72,800 arts management occupational group jobs in Los Angeles, Riverside, and San Bernardino counties. Across the region, employment related to the arts management occupational group is expected to increase 4% through 2021. Employers in the region will need to hire more than 18,400 workers over the next five years to fill new jobs and to backfill jobs that workers are leaving (includes retirements). The three exhibits below contain five-year projections for the arts management occupational group, separated into three, distinct groups: self-employed, traditional employees, and both combined. A traditional employee is a class of worker that derives their wage and salary from an employer. The Self-employed are a class of workers that consider self-employment their primary form of income. Appendix A, Table 1 shows the projected job growth for each of the occupations in this group. Table 2 and Table 3 show the projected job growth for employees and self-employed individuals for each of the occupations in this group.

*Exhibit 1: Five-year projections for the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties. (Includes traditional employment and self-employment)*

<b>Traditional Employee and Self-employed</b>	<b>2016 Jobs</b>	<b>5-Yr % Change (New Jobs)</b>	<b>5-Yr Openings (New + Replacement Jobs)</b>	<b>Annual Openings (New + Replacement Jobs)</b>	<b>% of workers age 55+</b>
Riverside, San Bernardino, Los Angeles	72,811	4%	35,851	7,170	23%

Source: EMSI 2017.4

*Exhibit 2: Five-year projections for the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties. (Traditional employment only)*

<b>Traditional Employee Only</b>	<b>2016 Jobs</b>	<b>5-Yr % Change (New Jobs)</b>	<b>5-Yr Openings (New + Replacement Jobs)</b>	<b>Annual Openings (New + Replacement Jobs)</b>	<b>% of workers age 55+</b>
Riverside, San Bernardino, Los Angeles	38,560	3%	18,415	3,683	19%

Source: EMSI 2017.4

*Exhibit 3: Five-year projections for the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties. (Self-employment only)*

<b>Self-employed Only</b>	<b>2016 Jobs</b>	<b>5-Yr % Change (New Jobs)</b>	<b>5-Yr Openings (New + Replacement Jobs)</b>	<b>Annual Openings (New + Replacement Jobs)</b>	<b>% of workers age 55+</b>
Riverside, San Bernardino, Los Angeles	34,251	6%	17,437	3,487	27%

Source: EMSI 2017.4

Over the last 12 months (December 2016 to November 2017), there were 3,579 advertisements (ads) for jobs in the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties. In the full-year 2016 there were 7,092 job ads; 9,312 job ads in 2015; 4,503 job ads in 2014; and 4,692 job ads in 2013. Exhibit 4 shows the number of job ads posted during the last 12 months for each of the occupations in the arts management occupational group.

*Exhibit 4: Job ads by each of the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties, during the last 12 months, Dec 2016 – Nov 2017*

Occupation	Job Ads
Graphic Designers	1,681
Multimedia Artists and Animators	475
Commercial and Industrial Designers	417
Fine Artists, Including Painters, Sculptors, and Illustrators	386
Photographers	297
Interior Designers	201
Fashion Designers	102
Musicians and Singers	18
Artists and Related Workers, All Other	1
Craft Artists	1
<b>TOTAL</b>	<b>3,579</b>

Source: Burning Glass – Labor Insights

## Earnings

The majority of the occupations in this group have wages above the MIT Living Wage estimate of \$12.10 per hour or \$25,172 annually for a single adult living in the Inland Empire/Desert Region with the exception of Craft Artists. The hourly living wage in Los Angeles County is \$13.08 or \$27,206 per year. Entry-level wages for traditionally employed individuals are higher than those who are self-employed, with the exception of photographers, fashion, graphic, and commercial and industrial designers. See Exhibit 5 for wage information by occupation for Riverside, San Bernardino, and Los Angeles counties.

*Exhibit 5: Earnings for arts management occupational group in Los Angeles, Riverside, and San Bernardino counties*

Occupation	Traditional Employee		Self-Employed		Employee + Self-Employed (Total)	
	Hourly Earnings Range*	Avg. Annual Earnings	Hourly Earnings Range*	Avg. Annual Earnings	Hourly Earnings Range*	Avg. Annual Earnings
Fashion Designers	\$14.53 to \$67.89	\$78,000	\$23.23 to \$33.41	\$58,400	\$15.00 to \$65.25	\$76,100
Multimedia Artists and Animators	\$19.01 to \$60.93	\$81,200	\$9.70 to \$15.28	\$25,800	\$11.96 to \$57.42	\$68,000
Commercial and Industrial Designers	\$16.95 to \$53.20	\$72,500	\$20.84 to \$29.97	\$52,400	\$19.93 to \$44.18	\$65,000
Interior Designers	\$15.30 to \$54.02	\$73,300	\$16.43 to \$23.62	\$41,300	\$16.16 to \$42.09	\$56,600
Musicians and Singers	\$10.99 to \$65.85	\$78,100	\$13.36 to \$20.44	\$34,600	\$12.55 to \$54.06	\$51,900
Graphic Designers	\$14.09 to \$45.66	\$57,700	\$15.43 to \$22.18	\$38,800	\$14.71 to \$41.27	\$51,800
Artists and Related Workers, All Other	\$15.95 to \$48.14	\$66,700	\$8.51 to \$13.40	\$22,600	\$9.35 to \$42.06	\$45,200
Photographers	\$10.74 to \$46.61	\$58,000	\$13.37 to \$20.95	\$35,100	\$12.67 to \$33.66	\$42,100
Fine Artists, Including Painters, Sculptors, and Illustrators	\$16.50 to \$68.94	\$80,200	\$7.93 to \$12.49	\$21,200	\$8.27 to \$41.16	\$39,000
Craft Artists	\$11.13 to \$44.42	\$56,300	\$5.38 to \$8.48	\$14,300	\$5.43 to \$9.31	\$17,800

Source: EMSI 2017.4

\*Hourly Earning Range includes entry to experienced level hourly wages. Entry hourly is 10<sup>th</sup> percentile wage and experienced is 90<sup>th</sup> percentile wage.

### Work Locations, Skills, and Education

According to job ads, the top worksite regional cities for jobs in this occupational group were Los Angeles, Santa Monica, Torrance, Burbank, and Glendale. The top employers in this occupational group were Activision, Disney, ERSI, and NBC. Exhibit 6 lists the top specialized, soft, and software and programming skills that employers are seeking when looking for workers to fill arts management

positions. Craft artists and artists and related workers, all other are not included due to their low number of postings.

*Exhibit 6: Top skills in greatest demand for the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties, Dec 2016-Nov 2017*

Occupation	Specialized skills	Soft skills	Software and Programming skills
Graphic Designers (n=1,503)	<ul style="list-style-type: none"> <li>Graphic Design</li> <li>Adobe Acrobat</li> <li>Adobe Creative Suite</li> </ul>	<ul style="list-style-type: none"> <li>Creativity</li> <li>Communication Skills</li> <li>Detail-Oriented</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>Adobe InDesign</li> <li>Adobe Illustrator</li> </ul>
Multimedia Artists and Animators (n=376)	<ul style="list-style-type: none"> <li>Animation</li> <li>Adobe Illustrator</li> <li>3D Modeling/Design</li> </ul>	<ul style="list-style-type: none"> <li>Creativity</li> <li>Communication Skills</li> <li>Team Work/ Collaboration</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>MAYA</li> <li>Adobe Aftereffects</li> </ul>
Commercial and Industrial Designers (n=380)	<ul style="list-style-type: none"> <li>Product Design</li> <li>Product Development</li> <li>Industrial Design</li> </ul>	<ul style="list-style-type: none"> <li>Communication Skills</li> <li>Research Skills</li> <li>Writing</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>Computer Aided Drafting/Design (CAD)</li> </ul>
Fine Artists, Including Painters, Sculptors, and Illustrators (n=285)	<ul style="list-style-type: none"> <li>Art Direction</li> <li>3D Modeling/Design</li> <li>Game Development</li> </ul>	<ul style="list-style-type: none"> <li>Creativity</li> <li>Team Work/ Collaboration</li> <li>Communication Skills</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>MAYA</li> <li>Adobe Illustrator</li> </ul>
Photographers (n=172)	<ul style="list-style-type: none"> <li>Photography</li> <li>Digital Photography</li> <li>Videography</li> </ul>	<ul style="list-style-type: none"> <li>Editing</li> <li>Communication Skills</li> <li>Organization Skills</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>Microsoft Office</li> <li>Final Cut Pro</li> </ul>
Interior Designers (n=174)	<ul style="list-style-type: none"> <li>Interior Design</li> <li>Adobe InDesign</li> <li>Space Planning</li> </ul>	<ul style="list-style-type: none"> <li>Communication Skills</li> <li>Creativity</li> <li>Research</li> </ul>	<ul style="list-style-type: none"> <li>AutoCAD</li> <li>Adobe Photoshop</li> <li>Revit</li> </ul>

Occupation	Specialized skills	Soft skills	Software and Programming skills
Fashion Designers (n=73)	<ul style="list-style-type: none"> <li>Graphic Design</li> <li>Merchandising</li> <li>Sketching</li> </ul>	<ul style="list-style-type: none"> <li>Research Skills</li> <li>Team Work/ Collaboration</li> <li>Creativity</li> </ul>	<ul style="list-style-type: none"> <li>Adobe Photoshop</li> <li>Adobe Illustrator</li> <li>Microsoft Excel</li> </ul>
Musicians and Singers (n=9)	<ul style="list-style-type: none"> <li>Music</li> <li>Piano</li> <li>Music Theory</li> </ul>	<ul style="list-style-type: none"> <li>Typing</li> <li>Physical Demand</li> <li>Building Effective Relationships</li> </ul>	<ul style="list-style-type: none"> <li>Microsoft Word</li> <li>Microsoft Excel</li> <li>Word Processing</li> </ul>

Source: Burning Glass – Labor Insights

Exhibit 7 displays the entry-level education level education typically required to enter each occupation according to the Bureau of Labor Statistics, educational attainment for incumbent workers with “some college, no degree” and an “associate degree” according to the U.S. Census, and the minimum advertised education requirement requested by employers in online job ads. “N/A” indicates that no information could be obtained from the limited job ads for that occupation.

*Exhibit 7: Educational attainment and online job ads with minimum advertised education requirements for the arts management occupational group in Los Angeles, Riverside, and San Bernardino counties, Dec 2016-Nov 2017*

Occupations	Typical Entry-Level Education Requirement	Educational Attainment (Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework)	Minimum Advertised Education Requirement from Job Ads		
			High school diploma or vocational training	Associate degree	Bachelor's degree or higher
Graphic Designers (n=736)	Bachelor's Degree	30%	6%	12%	82%
Multimedia Artists and Animators (n=154)	Bachelor's Degree	29%	3%	1%	96%
Commercial and Industrial Designers (n=283)	Bachelor's Degree	30%	2%	3%	95%

Occupations	Typical Entry-Level Education Requirement	Educational Attainment (Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework)	Minimum Advertised Education Requirement from Job Ads		
			High school diploma or vocational training	Associate degree	Bachelor's degree or higher
Fine Artists, Including Painters, Sculptors, and Illustrators (n=97)	Bachelor's Degree	29%	7%	2%	91%
Photographers (n=92)	HS diploma or equivalent	36%	31%	15%	54%
Interior Designers (n=130)	Bachelor's Degree	30%	13%	2%	85%
Fashion Designers (n=38)	Bachelor's Degree	30%	-	24%	76%
Musicians and Singers (n=9)	No formal education	27%	33%	11%	56%
Artists and Related Workers, All Other	No formal education	29%	N/A	N/A	N/A
Craft Artists	No formal education	29%	N/A	N/A	N/A

Source: EMSI 2017.4, Current Population Survey, Burning Glass – Labor Insights

## Industry

Exhibit 8 displays the industries that employ the most arts management occupations in Los Angeles, Riverside, and San Bernardino counties. Staffing patterns show the industries employ the most of a specific occupation. “N/A” indicates that no information could be obtained from the limited job ads for that occupation.

*Exhibit 8: Top Industries employing each arts management occupational group in Los Angeles, Riverside, and San Bernardino counties*

Occupation	Top Industries Staffing Pattern (NAICS)	Top Industries Job Ads (NAICS)
Graphic Designers (n=770)	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> </ul>	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> <li>Advertising, Public Relations, and Related Services (5418)</li> </ul>

Occupation	Top Industries Staffing Pattern (NAICS)	Top Industries Job Ads (NAICS)
Multimedia Artists and Animators (n=174)	<ul style="list-style-type: none"> <li>Independent Artists, Writers, and Performers (7115)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>	<ul style="list-style-type: none"> <li>Software Publishers (5112)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>
Commercial and Industrial Designers (n=183)	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> </ul>	<ul style="list-style-type: none"> <li>Professional and Commercial Equipment and Supplies Merchant Wholesalers (4234)</li> <li>Specialized Design Services (5414)</li> </ul>
Fine Artists, Including Painters, Sculptors, and Illustrators (n=159)	<ul style="list-style-type: none"> <li>Independent Artists, Writers, and Performers (7115)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>	<ul style="list-style-type: none"> <li>Software Publishers (5112)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>
Photographers (n=246)	<ul style="list-style-type: none"> <li>Other Professional, Scientific, and Technical Services (5419)</li> </ul>	<ul style="list-style-type: none"> <li>Other Professional, Scientific, and Technical Services (5419)</li> </ul>
Interior Designers (n=112)	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> </ul>	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> <li>Architectural, Engineering, and Related Services (5413)</li> </ul>
Fashion Designers (n=50)	<ul style="list-style-type: none"> <li>Specialized Design Services (5414)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>	<ul style="list-style-type: none"> <li>Clothing Stores (4481)</li> <li>Independent Artists, Writers, and Performers (7115)</li> </ul>
Musicians and Singers (n=12)	<ul style="list-style-type: none"> <li>Independent Artists, Writers, and Performers (7115)</li> <li>Religious Organizations (8131)</li> </ul>	<ul style="list-style-type: none"> <li>Colleges, Universities, and Professional Schools (6113)</li> <li>Junior Colleges (6112)</li> </ul>
Artists and Related Workers, All Other	<ul style="list-style-type: none"> <li>Independent Artists, Writers, and Performers (7115)</li> <li>Motion Picture and Video Industries (5121)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
Craft Artists	<ul style="list-style-type: none"> <li>Independent Artists, Writers, and Performers (7115)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

Source: EMSI 2017.4, Burning Glass – Labor Insights

## Student Completions

Exhibits 9 and 10 show the annual average regional community college awards (associate degrees and certificates) conferred during the three academic years between 2013 and 2016, as well as other awards granted outside the California Community College system from 2012-2015, with the relevant TOP code. Please note, an award is not equivalent to a single person in search of a job

Arts Management Occupations in Los Angeles, Riverside, and San Bernardino counties  
December 2017





opening since a student may earn more than one award, such as an associate degree in addition to a certificate.

Community College student outcome information was obtained from the CTE LaunchBoard based on the selected TOP code(s) and region:

*Exhibit 9: Annual average community college student completions for the small business and entrepreneurship program in the Inland Empire/Desert Region*

<b>0506.40– Small Business and Entrepreneurship</b>	<b>Annual Avg. CC Headcount (2015-16)</b>	<b>CC Annual Avg. Awards (2013-16)</b>
<b>Chaffey</b>	126	
Associate Degree		3
Certificate 30 to < 60 semester units		1*
Certificate 18 to < 30 semester units		1*
<b>Mt. San Jacinto</b>	32	
Certificate 30 to < 60 semester units		2
<b>Palo Verde</b>		
Certificate 6 to < 18 semester units		4
<b>Riverside</b>	276	
Associate Degree		1*
Certificate 18 to < 30 semester units		1*
<b>Moreno Valley</b>	51	
<b>Norco</b>	65	
<b>Victor Valley</b>	115	
<b>Total CC Headcount (2015-16)</b>	<b>663</b>	
<b>Total annual average community college awards</b>		<b>10</b>

Source: LaunchBoard, IPEDS

\*Chaffey awarded one 30 to <60 semester unit certificate in 2014-15 and one 18 to <30 semester unit certificate in 2015-16. Riverside awarded one Associate degree in 2015-16 and one 18 to <30 semester unit certificate in 2015-16.

**0506.40 – Small business and entrepreneurship program outcomes in the Inland Empire/Desert Region in academic year 2014-15:**

- The median annual earnings is \$14,056 (California median = \$18,712).
- 34% of students are earning a living wage (38%).
- Median change in earnings was 24% (40%).
- 58% of students are employed within six months after completing a program (58%).



*Exhibit 10: Annual average community college student completions for other business and management program in the Inland Empire/Desert Region*

<b>0599.00 – Other Business and Management</b>	<b>CC Annual Avg. Awards (2013-16)</b>	<b>Other Educational Institutions Annual Avg. Certificates or Other Credit Awards (2012-15)</b>
<b>Everest College-Ontario Metro</b>		
Associate Degree		32
<b>Everest College-San Bernardino</b>		
Associate Degree		8
<b>Palo Verde</b>		
Certificate 6 to < 18 semester units	2	
<b>Riverside</b>		
Certificate 6 to < 18 semester units	1*	
<b>Total annual average community college awards</b>	<b>2</b>	
<b>Total annual average other awards</b>		<b>39</b>

\*Riverside awarded one 6 to <18 semester unit certificate in 2013-14

**0599.00 – Other business and management program outcomes in the Inland Empire/Desert Region in academic year 2014-15:**

- No median annual earnings data available in local region (California median = \$34,606).
- No living wage data available in local region (75%).
- No median change in earnings data available in local region (67%).
- No number of students employed within six months data available in local region (60%).



## Sources

O\*Net Online

Labor Insight/Jobs (Burning Glass)

Economic Modeling Specialists International (EMSI)

Employment Development Department, Labor Market Information Division, OES

Employment Development Department, Unemployment Insurance Dataset

CTE LaunchBoard

Statewide CTE Outcomes Survey

Living Insight Center for Community Economic Development

California Community Colleges Chancellor's Office Management Information Systems (MIS)

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December 2017



## Appendix A: Occupation definitions, five-year projections, and earnings for arts management occupations

### **Occupation Definitions (SOC code), Education and Training Requirement, Community College Education Attainment**

#### **Craft Artists (27-1012)**

Create or reproduce hand-made objects for sale and exhibition using a variety of techniques, such as welding, weaving, pottery, and needlecraft.

*Sample job titles:* Artist, Ceramic Artist, Designer, Fiber Artist, Fine Craft Artist, Furniture Maker, Glass Artist, Glass Blower, Goldsmith, Hand-Weaver

*Entry-Level Educational Requirement:* No formal education credential

*Training Requirement:* More than 12 months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 29%

#### **Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)**

Create original artwork using any of a wide variety of media and techniques.

*Sample job titles:* Artist, Automotive Artist, Blacksmith, Fine Artist, Ice Carver, Illustrator, Muralist, Painter, Portrait Artist, Sculptor

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* More than 12 months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 29%



### **Multimedia Artists and Animators (27-1014)**

Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in products or creations, such as computer games, movies, music videos, and commercials.

*Sample job titles:* 3D Animator, 3D Artist, Animation Director, Animator, Art Director, Artist, Creative Director, Graphic Artist, Graphic Designer, Illustrator

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* One to twelve months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 29%

### **Artists and Related Workers, All Other (27-1019)**

All artists and related workers not listed separately.

*Sample job titles:* Advertising Designer, Architectural Modeler, Art Appraiser, Art Consultant, Art Objects Repairer, Autographer, Calligrapher, Ceramic Artist, Ceramics Artist, China Painter, Colorer, Colorist, Commercial Artist, Copyist, Creative Designer, Designer, Flag Decorator, Frame Stylist, Framers, Furniture Reproducer, Greeting Card Maker, Inker and Opaquer, Ivory Carver, Memorial Designer, Music Autographer, Music Grapher, Ornamental Metalwork Designer, Photo Stylist (Photographic Stylist), Picture Copyist, Tattoo Artist, Taxidermist, Visual Artist, Visualizer

*Entry-Level Educational Requirement:* No formal educational credential

*Training Requirement:* More than 12 months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 29%



**Commercial and Industrial Designers (27-1021)**

Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.

*Sample job titles:* Design Engineer, Designer, Engineer, Industrial Designer, Mechanical Designer, Product Design Engineer, Product Designer, Product Development Engineer, Product Engineer, Project Engineer

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* None

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 30%

**Fashion Designers (27-1022)**

Design clothing and accessories. Create original designs or adapt fashion trends.

*Sample job titles:* Apparel Fashion Designer, Clothing Designer, Costume Designer, Dance Costume Designer, Design Director, Designer, Fashion Designer, Historic Clothing and Costume Maker, Latex Fashions Designer, Product Developer

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* None

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 30%

**Graphic Designers (27-1024)**

Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.

*Sample job titles:* Artist, Creative Director, Creative Manager, Design Director, Designer, Graphic Artist, Graphic Designer, Online Producer, Production Artist, Publications Designer

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* None

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 30%



### **Interior Designers (27-1025)**

Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style. May specialize in a particular field, style, or phase of interior design.

*Sample job titles:* Decorating Consultant, Design Manager, Designer, Interior Design Consultant, Interior Design Coordinator, Interior Design Director, Interior Design Principal, Interior Design Project Manager, Interior Designer, Showroom Executive Director

*Entry-Level Educational Requirement:* Bachelor's degree

*Training Requirement:* None

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 30%

### **Musicians and Singers (27-2042)**

Play one or more musical instruments or sing. May perform on stage, for on-air broadcasting, or for sound or video recording. Sing songs on stage, radio, television, or motion pictures. Play one or more musical instruments in recital, in accompaniment, or as members of an orchestra, band, or other musical group.

*Sample job titles:* Choir Member, Entertainer, Gospel Singer, Opera Singer, Singer, Singer Songwriter, Singing Messenger, Singing Telegram Performer, Tenor, Vocalist, Cellist, English Horn Player, Horn Player, Musician, Oboist, Orchestra Musician, Percussionist, Timpanist, Violinist, Violist

*Entry-Level Educational Requirement:* No formal education credential

*Training Requirement:* More than twelve months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:* 27%





## **Photographers (27-4021)**

Photograph people, landscapes, merchandise, or other subjects, using digital or film cameras and equipment. May develop negatives or use computer software to produce finished images and prints. Includes scientific photographers, aerial photographers, and photojournalists.

*Sample job titles:* Advertising Photographer, Commercial Photographer, Newspaper Photographer, Owner/Photographer, Photo Editor, Photographer, Photojournalist, Portrait Photographer, Sports Photographer, Studio Owner

*Entry-Level Educational Requirement:* High school diploma or equivalent

*Training Requirement:* More than twelve months on-the-job training

*Percentage of incumbent workers with a Community College Award or Some Postsecondary Coursework:*  
36%

Table 1. Employee and self-employed total job growth for the arts management occupational group, Los Angeles, Riverside, and San Bernardino counties (2016-2021)

Occupation (SOC)	2016 Jobs	2021 Jobs	5-Yr Change	5-Yr % Change	5-Yr Openings (New + Replacement Jobs)	Annual Openings (New + Replacement Jobs)
Graphic Designers (27-1024)	18,404	18,644	240	1%	8,762	1,752
Musicians and Singers (27-2042)	13,488	14,280	792	6%	7,371	1,474
Photographers (27-4021)	10,215	11,344	1,129	11%	5,344	1,069
Multimedia Artists and Animators (27-1014)	7,692	8,292	600	8%	3,712	742
Interior Designers (27-1025)	6,135	6,266	131	2%	2,983	597
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	5,977	6,220	243	4%	2,634	527
Fashion Designers (27-1022)	5,296	5,305	9	0%	2,490	498
Craft Artists (27-1012)	2,490	2,605	115	5%	1,107	221
Commercial and Industrial Designers (27-1021)	2,460	2,451	(9)	(0%)	1,159	232
Artists and Related Workers, All Other (27-1019)	654	680	26	4%	290	58
<b>Total</b>	<b>72,811</b>	<b>76,087</b>	<b>3,276</b>	<b>4%</b>	<b>35,851</b>	<b>7,170</b>

Source: EMSI 2017.4

Table 2. Employee job growth for the arts management occupational group, Los Angeles, Riverside, and San Bernardino counties (2016-2021)

Occupation (SOC)	2016 Jobs	2021 Jobs	5-Yr Change	5-Yr % Change	5-Yr Openings (New + Replacement Jobs)	Annual Openings (New + Replacement Jobs)
Graphic Designers (27-1024)	12,658	12,759	101	1%	5,950	1,190
Multimedia Artists and Animators (27-1014)	5,866	6,336	470	8%	2,845	569
Musicians and Singers (27-2042)	5,346	5,579	233	4%	2,815	563
Fashion Designers (27-1022)	4,772	4,784	12	0%	2,247	449
Photographers (27-4021)	3,095	3,168	73	2%	1,311	262
Interior Designers (27-1025)	2,935	3,048	113	4%	1,489	298
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	1,807	1,867	60	3%	790	158
Commercial and Industrial Designers (27-1021)	1,542	1,522	(20)	(1%)	723	145
Artists and Related Workers, All Other (27-1019)	334	338	4	1%	138	28
Craft Artists (27-1012)	205	229	24	12%	107	21
<b>Total</b>	<b>38,560</b>	<b>39,629</b>	<b>1,069</b>	<b>3%</b>	<b>18,415</b>	<b>3,683</b>

Source: EMSI 2017.4

Table 3. Self-employed job growth for the arts management occupational group, Los Angeles, Riverside, and San Bernardino counties (2016-2021)

Occupation (SOC)	2016 Jobs	2021 Jobs	5-Yr Change	5-Yr % Change	5-Yr Openings (New + Replacement Jobs)	Annual Openings (New + Replacement Jobs)
Musicians and Singers (27-2042)	8,142	8,701	559	7%	4,556	911
Photographers (27-4021)	7,121	8,177	1,056	15%	4,033	807
Graphic Designers (27-1024)	5,746	5,885	139	2%	2,813	563
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	4,171	4,353	182	4%	1,843	369
Interior Designers (27-1025)	3,200	3,218	18	1%	1,495	299
Craft Artists (27-1012)	2,284	2,376	92	4%	1,000	200
Multimedia Artists and Animators (27-1014)	1,826	1,956	130	7%	867	173
Commercial and Industrial Designers (27-1021)	918	929	11	1%	436	87
Fashion Designers (27-1022)	524	521	(3)	(1%)	243	49
Artists and Related Workers, All Other (27-1019)	319	343	24	8%	152	30
<b>Total</b>	<b>34,251</b>	<b>36,458</b>	<b>2,207</b>	<b>6%</b>	<b>17,437</b>	<b>3,487</b>

Source: EMSI 2017.4