

FINE ARTS CAREERS



**“A career in the arts is
the real deal.”**

“Starving Artist.....NOT!”

“This is for real!”

This document is the result of a collaborative effort of



SOUTH CAROLINA ALLIANCE FOR ARTS EDUCATION

...to advance learning in and through the arts for all students

and



South Carolina
Department of Education

Together, we can.



*The South Carolina Alliance for Arts Education is a member of
the Kennedy Center Alliance for Arts Education Network
and receives funding from
the South Carolina Arts Commission
and the South Carolina Department of Education*



Did you know.....

"An analysis of this chain of economic activity reveals the breadth of the economic linkages centered on the cultural industry. On average in both 2000 and 2001, **the arts in South Carolina** directly and indirectly supported **\$700 million in wages and salaries, 30,000 jobs, and 1.9 billion in economic output.** ¹

"Counting all the art forms and types of participation in the arts examined in the SPPA (Survey of Public Participation in the Arts), 76 percent of adults, or **157 million people, made the arts part of their lives in the 12 months ending August 2002.** The survey investigated different forms of participation, including viewing or listening to performing arts on television or radio, reading literature, visiting historic sites, performing and creating art, owning art and taking classes.²

"1,250,000 Americans work in the art and design industries, representing a total of one in 111 jobs."³

"The creative industries are an important international export industry for the U.S., estimated at 30 billion annually."⁴

"Yearly sales of art reach an estimated \$10 billion in the United States alone"⁵

1 The Economic Impact of the Arts in South Carolina, Division of Research, Moore School of Business, University of South Carolina, 2002 by Dr. Donald L. Schunk and Dr. Sandra J Teel

2 2002 Survey of Public Participation in the Arts, Research Division Report #45, National Endowment for the Arts

3 Bureau of Labor Statistics, U.S. Department of Labor, Americans for the Arts; Entertainment Software Association

4 Bureau of Labor Statistics, U.S. Department of Labor, Americans for the Arts; Entertainment Software Association

5 Bureau of Labor Statistics, U.S. Department of Labor, Americans for the Arts; Entertainment Software Association

The Impact of the Arts in South Carolina

Overall, the cultural industry in South Carolina supports \$686.7 million in labor earnings, 29,348 jobs, and \$1.8 billion in output.

Of every \$100 of wages and salaries earned in South Carolina, \$1.30 can be linked to the cultural industry. Of every 100 jobs in the state, 1.6 are directly or indirectly linked to the arts.

A total of 9,126 jobs are directly linked to the for-profit cultural firms.

Ultimately, it is the arts' addition to the quality of life in South Carolina that is perhaps the most important impact. Indeed, the arts exist primarily because of the numerous qualitative ways they enrich our lives. The full range of positive impacts of the cultural industry in South Carolina justifies ongoing support of the arts.

Information taken from a study completed by the Division of Research, Moore School of Business, University of South Carolina, in April 2002.

SKILLS GAINED THROUGH STUDY IN THE FINE ARTS



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Dance

<p>Performance/Studio</p> <ul style="list-style-type: none"> -Professional Dancer -Choreographer -Artistic Director for Dance Company -Costume Designer -Set Designer -Make-Up Artist -Cruise Ship Entertainer -Stage Manager for Dance Production -Theme Park Entertainer 	<p>Education</p> <ul style="list-style-type: none"> -Dance Educator -Postsecondary Professor of Dance -Dance Therapist -Private Studio Owner/Operator -Fitness/Recreation Director
<p>Technology</p> <ul style="list-style-type: none"> -Website Designer for Dance Company/Studio -Technical Director for Dance Company -Sound Designer for Dance Production -Lighting Designer for Dance Production 	<p>Business</p> <ul style="list-style-type: none"> -Executive Director/Manager for Dance Company -Financial Manager for Dance Company -Public Relations Director for Dance Company -Agent for Professional Dancer -Cruise Ship Entertainment Director -Dance Writer/Editor/Critic -Private Studio Owner/Operator -Entertainment Director for Theme Park -Dance Industry Sales/Retail -Publisher -Receptionist and Clerk for Dance Organization -Advocacy/Grant making/Civic Organization Personnel -Tour Director for Dance Companies

Dance-related Careers

Dance Teacher in Public Education

DESCRIPTION: Plans, implements, and teaches dance education programs for K-12 public school systems.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Desire to work with children. Creative skills for planning performances. Physically healthy. Organizational skills. Communication skills with faculty and parents.

SALARY: \$28,000 - 76,000 average range depending on education, experience, and location.

PROSPECTS: Good to excellent depending on locality, grade level, and subject taught. Listed as a critical needs area in South Carolina.

RELATED CAREERS: Private arts school instruction. Private dance studio director. Recreational program director. Dance therapist. Choreographer for dance companies, theatre.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in dance education and teaching certificate.

College Professor of Dance

DESCRIPTION: Instruct undergraduate or graduate students in a wide variety of subjects related to the art of dance.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Highly trained dance technique in one or more dance forms. Desire to work with young adults. Creative skills for planning performances. Physically healthy. Organizational skills. Communication skills with colleagues. Advocacy skills for promoting the art of dance.

SALARY: \$28,000 - 114,000 average range – possibly more depending on education, experience and location.

PROSPECTS: Good to excellent depending on locality, grade level, and subject taught.

RELATED CAREERS: Private arts school instruction. Private dance studio director. Recreational program director. Dance therapist. Choreographer for dance companies, theatre.

POST-SECONDARY EDUCATION NEEDED: Master's degree a minimum. Doctoral degree required to teach graduate level classes. Professional dancers sometimes hired without college degrees if training/content knowledge is equivalent to university training.

Professional Dancer

DESCRIPTION: Performs various roles with professional dance company.

EDUCATION: Intense private lessons and exposure to dance performances; summer intensives.

SKILLS: Physically demanding. Requires highly developed coordination, musicality, and performance skills. Self-discipline, perseverance, and patience.

SALARY: \$12,900 - \$64,000 or more depending on locality, expertise, and experience.

PROSPECTS: Highly competitive. Job applicants always out number jobs available.

RELATED CAREERS: Executive director for dance company/school, artistic director for company, dance coach for professional dancers, dance teacher, costume or set designer.

POST-SECONDARY EDUCATION NEEDED: Varies. Training can be done through a college degree program or on the job training through association with a reputable dance company.

Choreographer

DESCRIPTION: Creates dances for dancers, dance companies, musicals, TV, movies.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Must be highly creative. Physically demanding. Requires highly developed coordination, musicality, and performance skills.

SALARY: \$15,000 - \$64,000 average range – possibly more depending on locality, experience, and expertise.

PROSPECTS: Employment of dancers and choreographers is expected to grow 6 percent during the 2006-16 decade - more slowly than the average for all occupations.

RELATED CAREERS: Stage manager, company director, producer, cruise ship program director, artistic director, model, actress.

POST-SECONDARY EDUCATION NEEDED: Varies. Training can be done through a college degree program or on the job training through association with a reputable dance company.

Dance Therapist

DESCRIPTION: Provides physical and/or emotional therapy to disabled individuals through dance experiences.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: At ease working with disabled individuals. Patient, tactful, good physical skills to demonstrate activities. Creative skills to develop strategies for specific client needs.

SALARY: \$21,000 - 51,000 average range

PROSPECTS: Slower than average growth.

RELATED CAREERS: Recreational therapist, movement analyst, physical therapist, occupational therapist, rehabilitation counselors.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree a minimum. Some states require state exam for licensure beyond a bachelor's degree.

Private Dance Studio Owner

DESCRIPTION: Plan, implement, and teach various dance technique classes for all ages.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Ability to work with children of all ages. Good business skills. Creative skills for choreographing performances.

SALARY: \$21,000 and up depending on locality, expertise, and experience.

PROSPECTS: Highly competitive. Average growth for the future.

RELATED CAREERS: Private arts school instruction. Private dance studio director. Recreational program director. Dance therapist. Choreographer for dance companies, theatre.

POST-SECONDARY EDUCATION NEEDED: Varies. Training can be done through a college degree program or on the job training through association with a reputable dance company or dance studio.

Dance Writer/Editor/Critic

DESCRIPTION: Writers and editors produce a wide variety of written materials using any number of multimedia formats for readers, listeners, or viewers. Critics write reviews of dancers, performances, choreography, and/or dance companies.

EDUCATION: Study various dance styles through private studios or public schools. Be involved in school journalism.

SKILLS: Good writing skills. Keen interest and knowledge in the field of dance. Good judgment and a strong sense of ethics. Ability to work amid confusion and under stressful deadlines.
Computer/technology skills.

SALARY: \$25,000 - 97,000 average range depending on experience, expertise, and size of the organization.

PROSPECTS: Highly selective competition in major firms or organizations. More opportunities in smaller businesses. Average growth for the future.

RELATED CAREERS: Public relations. Marketing. Advertising. Reporters. News correspondents. Announcers.

POST-SECONDARY EDUCATION NEEDED: Generally requires a BA in journalism, communications, or English.

Executive Director/Operations Manager for Dance Company

DESCRIPTION: Plan, direct, or coordinate the operations of dance organizations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources.

EDUCATION: Work in community organizations or local businesses.

SKILLS: Analytical, detail-oriented, flexible, decisive, good leadership and communication skills. Excellent interpersonal skills, an analytical mind, decisiveness, and leadership ability.

SALARY: \$50,000 - 150,000 depending on size of the organization, education, and experience.

PROSPECTS: Average job growth is projected. Keen competition expected for the highly coveted jobs.

RELATED CAREERS: Advertising, marketing, promotions, sales managers, advocacy work.

POST-SECONDARY EDUCATION NEEDED: Generally requires bachelor's degree in business, human resources, non-profit management, or finance for larger organizations.

Financial Manager of Dance Company

DESCRIPTION: Financial managers oversee the preparation of financial reports, direct investment activities, and implement cash management strategies. They also develop strategies and implement the long-term financial goals of their organization.

EDUCATION: Work in community organizations or local businesses.

SKILLS: Excellent communication skills. Ability to manage people and work as part of a team to solve problems. Creative thinkers and problem-solvers. Broad understanding of business. Strong knowledge of finance and/or accounting.

SALARY: \$50,000 - 145,000 average range depending of size of organization, education, and expertise.

PROSPECTS: Keen competition for entry level positions. Average growth for the future.

RELATED CAREERS: Auditors, accountants, financial advisors, loan officer, securities, budget analysts.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in finance, accounting, economics, non-profit management, or business administration at minimum for larger organizations.

Public Relations Director for Dance Company

DESCRIPTION: Serves as advocate for the organization to build and maintain positive relationships with the public. Handle organizational functions such as media, community, consumer, industry, and governmental relations.

EDUCATION: Work in community organizations or local businesses.

SKILLS: Creativity, initiative, good judgment, ability to communicate thoughts clearly and simply, decision-making, problem-solving, research skills, outgoing personality, self-confident, and the ability to motivate people.

SALARY: \$28,000 - 89,000 average range depending on locality, experience, and education.

PROSPECTS: Keen competition for entry level positions. Best opportunities for applicants with college degrees. Average growth for the future.

RELATED CAREERS: Advertising, marketing, promotions, sales managers, demonstrators, product promoters, models, news analysts, reporters, correspondents, lawyers, market and survey researchers, sales representatives, wholesale and manufacturing, and police and detectives

POST-SECONDARY EDUCATION NEEDED: Varies from practical experience to bachelor's degree in business, human resources, public relations, journalism, or communications.

Agent for Professional Dancers

DESCRIPTION: Represent and promote artists and performers to prospective employers. May handle contract negotiations and other business matters for clients.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Good communication skills, excellent interpersonal skills, knowledge of the market.

SALARY: \$25,879 - \$43,210 average range.

PROSPECTS: Keen competition for entry level positions. Best opportunities for applicants with college degrees. Average growth for the future.

RELATED CAREERS: Advertising, marketing, promotions, sales managers, dance studio manager, advocacy work.

POST-SECONDARY EDUCATION NEEDED: Varies from practical experience to bachelor's degree in business, human resources, finance, or related field.

Artistic Director for Dance Company

DESCRIPTION: Conceives, develops, and implements the artistic vision and focus of the organization. Responsible for the ongoing development of the aesthetic values and activities of the company. Spokesperson for the organization.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Creativity, good judgment, ability to communicate thoughts clearly and effectively, decision-making, problem-solving.

SALARY: \$36,000 - 59,000 average range depending on expertise, experience, size and location of company

PROSPECTS: Highly competitive.

RELATED CAREERS: Choreographer, public school teacher, private studio owner/operator, university administrator, outreach director for professional dance company.

POST-SECONDARY EDUCATION NEEDED: Varies from practical experience with reputable dance company to bachelor's degree in dance.

Executive Director for Dance Company

DESCRIPTION: Responsible for overall management, operation, and protection of the organization's financial assets while ensuring compliance with board directives.

EDUCATION: Business classes. Volunteer for school arts productions.

SKILLS: Excellent interpersonal skills, analytical mind, decisiveness, and leadership ability.

SALARY: \$50,000 - 150,000 average range depending on size of organization and experience.

PROSPECTS: Slow to average growth for future jobs.

RELATED CAREERS: Advertising, marketing, promotions, sales managers, dance studio manager, advocacy work.

POST-SECONDARY EDUCATION NEEDED: Generally requires bachelor's degree in business, human resources, non-profit management, or finance for larger organizations.

Fitness/Recreational Instructor

DESCRIPTION: Lead, instruct, and motivate individuals or groups in exercise activities, including cardiovascular exercise, strength training, and stretching.

EDUCATION: Participate in school sports. Study various styles of dance.

SKILLS: Ability to plan and lead a class that is motivating and safe. Physically healthy. People skills. Energetic.

SALARY: \$14,800 - 56,700 average range

PROSPECTS: Faster than average growth for future jobs.

RELATED CAREERS: Physical therapists, recreation therapists, dieticians, massage therapists, coaches, physical education teachers, referees, health teachers.

POST-SECONDARY EDUCATION NEEDED: Certification is critical. Bachelor's degree in physical education, fitness, health, or exercise science a plus.

Fitness/Recreational Director

DESCRIPTION: Create and oversee programs for new member orientations, fitness assessments, workout incentive programs. Select fitness equipment; coordinate personal training and group exercise programs; hire, train, and supervise fitness staff.

EDUCATION: Participate in school sports. Study various styles of dance.

SKILLS: Outgoing, excellent communication skills, good at motivating people, sensitive to the needs of others, physically healthy.

SALARY: \$14,800 - 56,700 average range

PROSPECTS: Faster than average growth for future jobs.

RELATED CAREERS: Physical therapists, recreation therapists, dieticians, coaches, massage therapists, physical education teachers, referees, health teachers.

POST-SECONDARY EDUCATION NEEDED: Certification is critical. Bachelor's degree in physical education, fitness, health, or exercise science sometimes required for larger organizations.

Costume Designer

DESCRIPTION: Responsible for the overall look of the clothes and costumes in theatre, film or television productions. Research and design costumes, lead a team that may include a design assistant, wardrobe supervisor, wardrobe assistants, and costume and wig makers.

EDUCATION: Work for community or school arts productions.

SKILLS: An eye for color and detail, a sense of balance and proportion, communication, problem-solving, drawing, sewing skills.

SALARY: \$500.00 - 150,000 per production depending on experience, reputation, and size of organization.

PROSPECTS: Highly competitive. Slower than average growth for future jobs.

RELATED CAREERS: Fashion merchandising, photography, wardrobe attendant for nightclubs, theme parks, TV, film.

POST-SECONDARY EDUCATION NEEDED: Not required. Bachelor's in theatre production or fashion related field offers best opportunities.

Set Designer

DESCRIPTION: Designs sets, signs, props, or scenic effects for dance productions. Prepares scale drawings for use in construction.

EDUCATION: Work backstage for community or school productions.

SKILLS: Creativity, basic construction skills, drawing skills, research skills.

SALARY: \$21,000 - 76,000 average range.

PROSPECTS: Highly competitive. Limited job openings.

RELATED CAREERS: Construction, drafting, camera operators for film or TV, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: May require an associate's degree or its equivalent and 2-4 years of experience in the field or in a related area.

Make-up Artist

DESCRIPTION: Responsible for providing proper makeup for the cast.

EDUCATION: Work for community or school arts productions.

SKILLS: Understand fashion and art, neat personal appearance, interpersonal skills, pleasant attitude.

SALARY: \$14,000 - 67,000 average range.

PROSPECTS: Highly competitive. Limited job openings.

RELATED CAREERS: Modeling, cosmetology, fashion design, make-up consultant, make-up sales.

POST-SECONDARY EDUCATION NEEDED: Licensure as an esthetician or in a cosmetology related field. Theatre degree a plus.

Cruise Ship Entertainer

DESCRIPTION: Performs various roles in musical productions for ship's guests.

EDUCATION: Study various dance styles through private studios or public schools. Be involved in school productions.

SKILLS: Skilled performer, high energy, physically healthy, ability to deal with stressful situations.

SALARY: \$12,900 - \$64,000 average range depending on locality, expertise, and experience.

PROSPECTS: Work is often times seasonal. Highly competitive.

RELATED CAREERS: Photography, camera operators for film or TV, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: Not required. Professional training through college degree or dance studio/company is essential.

Cruise Ship Director

DESCRIPTION: Develops and manages comprehensive recreational programs and oversees the budget for the activities.

EDUCATION: Study various dance styles through private studios or public schools. Be involved in school productions.

SKILLS: Management skills, organizational skills, public speaking skills, ability to delegate work.

SALARY: \$3,000 - 7,400 average range per month depending on cruise line and experience.

PROSPECTS: Work is often times seasonal. Highly competitive.

RELATED CAREERS: Stage manager, recreational director, gaming industry, camera operators for film or TV, technicians/managers for sports arenas, nightclubs, auditoriums, theatres, theme parks.

POST-SECONDARY EDUCATION NEEDED: Varies from certification in fitness to bachelor's degree in business, human resources, finance, or parks and recreation depending on job description.

Stage Manager

DESCRIPTION: Provides technical and organizational support to the director, actors, designers, stage crew and technicians throughout the production process.

EDUCATION: Work backstage for community or school productions.

SKILLS: Organized, tactful, artistic interest, team player, ability to work under stress.

SALARY: \$10.50 - 15.87 average range per hour depending on experience, locality, and size of organization..

PROSPECTS: Average growth for future jobs.

RELATED CAREERS: Audio, video technician, operations manager for arts company, stage manager/technician for sports, nightclubs, auditoriums, theatres, theme parks.

POST-SECONDARY EDUCATION NEEDED: Not required. Best opportunities available with bachelor's degree in arts production field.

Entertainer for Theme Parks

DESCRIPTION: Performs various roles in musical productions for theme park guests.

EDUCATION: Study various dance styles through private studios or public schools.

SKILLS: Skilled performer, high energy, physically healthy, ability to deal with stressful situations.

SALARY: \$22,500 - 35,000 average range depending on experience, locality, and size of organization.

PROSPECTS: Work is often times seasonal. Highly competitive.

RELATED CAREERS: Photography, camera operators for film or TV, hospitality industry, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: Not required. Professional training through college degree or dance studio/company is essential.

Entertainment Director for Theme Parks

DESCRIPTION: Develops and manages productions for theme park guests.

EDUCATION: Study various dance styles through private studios or public schools. Work in school productions.

SKILLS: Management skills, organized, public speaking skills, ability to delegate work.

SALARY: \$35,900 - 59,900 average range depending on locality, experience, size of organization.

PROSPECTS: Work is often times seasonal. Highly competitive. Average growth.

RELATED CAREERS: Advertising, marketing, promotions, sales managers, dance studio manager, advocacy work, hotel management.

POST-SECONDARY EDUCATION NEEDED: Varies from practical experience to bachelor's degree in business, human resources, finance, parks and recreation, or arts related field.

Internet/Website /Graphic Designer for Dance Company/Studio

DESCRIPTION: Plan, analyze, and create visual solutions to communications problems, deliver messages in print, electronic, and film media using a variety of methods such as color, type, illustration, photography, animation, and various print and layout techniques.

EDUCATION: Work on school newspaper, yearbook staffs. Multimedia classes.

SKILLS: Creative, problem solver, good language, writing skills, art design skills, computer skills.

SALARY: \$17,600 - 82,300 average range.

PROSPECTS: Faster than average growth for future jobs.

RELATED CAREERS: Court reporters, news analyst, medical records, photography, camera operators for film or TV, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in computer technology field a plus. Associates degree in computer/web design field a plus or equivalent skill from on the job training.

Dance Industry Sales and Retail

DESCRIPTION: Assist customers in purchasing dance related goods. Ability to describe a product's features, demonstrate its use, or show various models and colors. Make out sales checks, receive cash, checks, debit, and charge payments.

EDUCATION: Study various dance styles through private studios or public schools. Work part time in a retail business.

SKILLS: Interest in sales work, neat appearance, courteous, patient, honest, and ability to communicate clearly and effectively, people skills.

SALARY: \$6.79- 18.48 average range per hour.

PROSPECTS: Average job growth.

RELATED CAREERS: Sales representatives, real estate agents and brokers, purchasing managers, merchandise buyers, insurance sales, and cashiers.

POST-SECONDARY EDUCATION NEEDED: Not required. Bachelor's degree in merchandising or related field a plus or possibly required for larger companies.

Publisher

DESCRIPTION: Produces a variety of publications, including magazines, books, newspapers, directories, databases, calendars, audio or video discs, or other electronic media.

EDUCATION: Study various dance styles through private studios or public schools. Be involved in school journalism.

SKILLS: Strong communication skills, ability to meet stressful deadlines, writing skills, creativity, art design skills, computer skills.

SALARY: \$76,000 - 102,000 average range depending on expertise, experience, and size of organization.

PROSPECTS: Slower than average growth.

RELATED CAREERS: News analyst, reporter, editor, writer.

POST-SECONDARY EDUCATION NEEDED: Generally requires a BA in journalism, communications, or English.

Sound Engineer

DESCRIPTION: Set up and operate sound for shows and exhibits in theaters, amusement parks, and other arts and entertainment venues.

EDUCATION: Work backstage for community or school productions.

SKILLS: Creativity, manual dexterity, aptitude for working with electrical and mechanical systems and equipment.

SALARY: 21,000 - 90,000 average range depending on expertise, experience, and size of organization/production.

PROSPECTS: Faster than average growth for future jobs.

RELATED CAREERS: Photography, camera operators for film or TV, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: Not required. Associate's degree in electrical/sound field a plus. Bachelor's degree in theatre production or related field usually required for larger organizations.

Lighting Engineer/ Designer

DESCRIPTION: Set up and operate lighting for shows in theaters, amusement parks, and other arts and entertainment venues.

EDUCATION: Work backstage for community or school productions.

SKILLS: Creativity, artistic eye, aptitude for working with lighting instruments and equipment.

SALARY: \$19,000 - 62,000 average range depending on expertise, experience, and size of organization/production.

PROSPECTS: Average growth for future jobs.

RELATED CAREERS: Photography, camera operators for film or TV, technicians for sports arenas, nightclubs, auditoriums, theme parks.

POST-SECONDARY EDUCATION NEEDED: Not required. Associate's degree in electrical related field a plus. Bachelor's degree in theatre production or related field usually required for larger organizations.

Receptionists and Clerks for Dance Organizations

DESCRIPTION: Answer telephones, route and screen calls, greet visitors, respond to inquiries from the public, provide information about the organization, coordinate mail into and out of the office, monitor the access of visitors for security purposes.

EDUCATION: Part time clerical work for local business or organization.

SKILLS: Basic proficiency in common office software, good oral and written communication skills, courteous, people skills.

SALARY: \$10.65 average per hour

PROSPECTS: Faster than average growth for future jobs.

RELATED CAREERS: Box office manager, ticket sales, dispatchers, hospitality industry, gaming industry.

POST-SECONDARY EDUCATION NEEDED: Not required. Associates degree in business related field a plus.

Advocacy, Grantmaking, and Civic Organizations

DESCRIPTION: Work to better communities by directly addressing issues of public concern through service, independent action, or civic engagement.

EDUCATION: Volunteer for community non-profit organizations.

SKILLS: Strong communication and fundraising skills, creativity, initiative, computer skills.

SALARY: \$41,000 - 149,000 average range for upper level directors and managers.

PROSPECTS: Average to faster than average growth.

RELATED CAREERS: Public relations, arts education, outreach programs for performing arts companies.

EDUCATION: Bachelor's or master's degree in business or public administration required for administrative positions in larger organizations. None required for lower level work or smaller organizations.

Media Arts

Media Arts-related Careers:

Animation

2D Animators

DESCRIPTION: 2D animators and multimedia artists work in the entertainment, advertising, training, and education professions, creating a wide range of graphics used to illustrate processes, sell products, or entertain. They may be asked to create Flash animations for websites, 2D cartoons for film and television, or special effects used in creating motion pictures.

EDUCATION:

- **PRE-COLLEGE:** Computer and art courses
- **POST-SECONDARY:**
- **FOUR YEAR:** Associate or Bachelor's degree in Graphic Design or Animation is preferred

SKILLS: Creativity; strong artistic skills; strong interpersonal communication skills; open to feedback and professional criticism

SALARY: Average salary is \$40,000/year according to the Bureau of Labor Statistics

PROSPECTS: Competition will be brisk; students should attend programs that allow them to produce their own accomplished demo reels.

RELATED CAREERS: Animator, 3D Animator

3D Animators

DESCRIPTION: 3D animators create an imaginary world filled with people, cartoon characters, and everyday objects moving and interacting within an ever-changing environment. Using state-of-the-art design software, 3D animators make fictional worlds look real.

EDUCATION:

- **PRE-COLLEGE:** Computer and art courses
- **POST-SECONDARY:**
- **FOUR YEAR:** Most entry-level animation jobs require at least a bachelor's degree in Digital Art & Animation, Media Arts & Design, or related field.

SKILLS: A high tech career best suited for those with a high level of technical knowledge combined with a love of art. Like many art careers, a portfolio is an important factor used to gauge the skill level of the animator as well as past employment and experience.

SALARY: Median annual earnings of 3D animators, as reported by the Department of Labor, ranged from \$33,970 and \$61,120 in 2002.

PROSPECTS: Brisk competition; students should attend programs that allow them to produce their own accomplished demo reels.

RELATED CAREERS: 2D Animator, Computer Animator

Compositor

DESCRIPTION: Compositing is a phase of animation that specializes in combining visual elements from separate sources into single images, often to create the illusion that all those elements are parts of the same scene. The Compositor combines live action and computer generated elements into visual effects shots that realize the vision and creative direction of the client and visual effects supervisor.

EDUCATION:

- **PRE-COLLEGE:** Art, theatre, and computer classes
- **POST-SECONDARY:** Experience in Maya, Digital Fusion usually required
- **FOUR YEAR:** BA in Art, Fine Art, Illustration, Graphic Design, Computer Science or equivalent experience usually desired.

SKILLS: An eye for composition, detail, light, and color; a good understanding of color, contrast, and lighting design; strong visual savvy and ability to distinguish subtle differences in lighting and color that affect the matching of sets, props and characters; ability to work in a collaborative environment with strong problem solving skills.

SALARY: Average salary is \$40,000/year

PROSPECTS: The U.S. Bureau of Labor Statistics predicts job openings will grow at the same rate as the average growth for all occupations through 2014.

RELATED CAREERS: Visual Effects Coordinator, Computer Animator, 3D

Computer Animator

DESCRIPTION: Uses computer software to form animated images or special effects. Animators typically gain employment in the video game industry, advertising, or motion pictures.

EDUCATION:

- **PRE-COLLEGE:** Computer and art courses
- **POST-SECONDARY:** Technical schools offer certifications in animation and 3-D modeling.
- **FOUR YEAR:** Most entry-level animation jobs require at least a bachelor's degree in Digital Art & Animation, Media Arts & Design, or related field.

SKILLS: A high tech career best suited for those with a high level of technical knowledge combined with a love of art. Like many art careers, a portfolio is an important factor used to gauge the skill level of the animator as well as past employment and experience.

SALARY: According to the Bureau of Labor Statistics, the average salary is just above \$50,000 a year.

PROSPECTS: Competition will be brisk; students should attend programs that allow them to produce their own accomplished demo reels.

RELATED CAREERS: Animation Director, Key Animator, Animation Assistant, 2D Modeling, 3D modeling

Computer Graphics Modeler

DESCRIPTION: Modelers translate the storyboard drawings and start building the CG models of characters and environments. Modelers build three-dimensional computer models of everything that is needed for a CGI project. Modelers may concentrate on different areas such as characters, objects, environments or special effects. Further on in the process, Riggers will rig the models to enable them to be animated and Texture Artists will apply texture.

EDUCATION:

- **PRE-COLLEGE:** Art classes including life drawing and sculpting, painting; modeling using wireframes; photography classes; computer classes
- **POST-SECONDARY:** A well rounded portfolio could demonstrate the necessary talent and skills required, in place of a formal education.
- **FOUR YEAR:** Bachelor's degree in Computer Graphics, Computer Animation, Sculpture, Woodwork, Metalwork, or related field, often required.

SKILLS: Ability to think in 3D, to problem solve; ability to communicate with others and work as part of a team; ability to take direction and make changes

SALARY: Average salary is \$40,000 per year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Rigging Specialist; Senior Technical Director, Visual Effects Supervisor

Digital Editing Professional

DESCRIPTION: Digital Editors transfer film and audio clips into digital format and then meticulously cut, reassemble and review the final product. Scenes are trimmed, cut, and arranged to create a fluid and coherent story. Dialog, music, and computer graphics or computer generated imagery (CGI) are inserted and the final product is divided into sequences, and edited to eliminate errors.

EDUCATION:

- **PRE-COLLEGE:** Computer, art, photography classes

- **POST-SECONDARY:**
- **FOUR YEAR:** A bachelor's degree in Digital Editing, Digital Video Editing, or a similar program is required.

SKILLS: Detail-oriented, strong communication skills, ability to work alone or with a team; knowledge of digital video equipment and software.

SALARY: Average salary is \$44,000 per year, depending on work experience, according to simplyhired.com.

PROSPECTS: Competition will be keen; seek entry level positions and work experience that will culminate into a design portfolio.

RELATED CAREERS: Layout Artist, Film Editing, Music Video Editing, Digital Video Editing

Layout Artist

DESCRIPTION: A layout artist is like the "cinematographer" of animation. It is up to the layout artist to determine how lighting affects an animation and how the camera moves through the space. The layout artist also creates the background and the background layouts for scenes of animations.

EDUCATION:

- **PRE-COLLEGE:** Art, computer, and photography classes
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree in Animation, Film, or Fine Arts or other relevant area of study often required

SKILLS: Strong traditional art skills including knowledge of color, lighting, perspective, and composition; strong communication; strong drawing skills, strong Photoshop skills.

SALARY: Average salary is \$40,000 per year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Digital Editor, Production Assistant, Senior Designer, Technical Director

Matte Painter

DESCRIPTION: A matte painting is a painted representation of a landscape, set, or distant location that allows filmmakers to create the illusion of an environment that would otherwise be too expensive or impossible to build or visit. Using painting skills, animation software, and a knowledge of photography, matte painter creates 2D and 3D paintings for digital environments.

EDUCATION:

- **PRE-COLLEGE:** Art, photography, English classes

- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree in Computer Graphics, Fine Arts or equivalents

SKILLS: Strong traditional art skills including knowledge of color, lighting, perspective, and composition; strong communication (written and verbal); ability to work effectively with alone and with a team

SALARY: Average salary is \$40,000 per year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Lead Matte Painter, Texture Artist

Rigging Specialist

DESCRIPTION: Once the CG models are created, Riggers will rig the models to enable them to be animated. Riggers create a moving skeleton or structure to provide working parts and joints that will allow the animator to move the model.

EDUCATION:

- **PRE-COLLEGE:** Art, computer, and anatomy classes.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree in Computer Science, Computer Visualization, or Computer Animation, or related field often required.

SKILLS: Knowledge of anatomy for both humans (biped) and animals (quadruped); ability to communicate with others and work as part of a team; ability to take direction and make changes

SALARY: Average salary is \$40,000 per year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Modeler, Animator

Storyboard Artist

DESCRIPTION: Draws scenes of the movie, television, commercial, or video production before the film crew actually shoots or films the scene. The Storyboard illustrates the narrative, composes the shots, demonstrates action, indicates camera moves and maintains continuity. The more defined the final storyboard, the smoother the rest of the production process should be.

EDUCATION:

- **PRE-COLLEGE:** Computer classes; art classes, including pencil or ink sketching, full color drawings
- **POST-SECONDARY:**

- **FOUR YEAR:** Associate or Bachelor's degree in Graphic Design or Animation, Fine Arts, or related field.

SKILLS: Ability to convert verbal information into physical drawings. Some drawings are made during meetings, and then more detailed, full-color drawings are completed later in the artist's office. Most drawings are pencil or ink sketches but some are full-color drawings designed to show the director's preferences for colors, patterns, or backgrounds.

SALARY: Average salary is \$40,000/year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Layout Artist, Cartoonist

Texture Artist

DESCRIPTION: The Texture Artist paints surface textures on animated characters, props, and environments for use in 3D animation.

EDUCATION:

- **PRE-COLLEGE:** Classes in art, including traditional painting; computer and photography classes
- **POST-SECONDARY:**
- **FOUR YEAR:** Many texture artists hold BAs in 3D Design, illustration, or photography.

SKILLS: Strong traditional painting skills, strong Photoshop skills; ability to communicate with others and work as part of a team; ability to take direction and make changes

SALARY: Average salary is \$40,000 per year

PROSPECTS: The U.S. Bureau of Labor Statistics (BLS) predicts job openings in this skill set will grow at a rate of 7% through 2018.

RELATED CAREERS: Matte Painter

Visual Effects Artist

DESCRIPTION: A visual effects artist works in numerous capacities within the motion picture, animation, and video gaming industries. In animation or motion pictures, a visual effects artist is responsible for matching what the viewer sees to the script and creating an optimal effect for the media's purpose or intent.

EDUCATION:

- **PRE-COLLEGE:** Art, computer, and theatre classes
- **POST-SECONDARY:**
- **FOUR YEAR:** Associate or Bachelor's degree in Graphic Design, Animation, or related field.

SKILLS: Knowledge of digital video equipment and software;

skills for creative effects editing; thorough understanding of film/ DV/ HD technologies; strong organizational, communication and interpersonal skills

SALARY: The U.S. Bureau of Labor Statistics, reported that median salaries for those with the skill set of a special effects artist were \$43,590.

PROSPECTS: The U.S. Bureau of Labor Statistics, www.bls.gov, reported this career field should grow by up to 17% before 2014.

RELATED CAREERS: Visual Effects Coordinator, Computer Animator, 3D Modeler, Compositor

Media Arts-related Careers:

Digital Media

Advertising Art Director

DESCRIPTION: works with copywriters and designers to develop and create advertising campaigns. Art Directors are responsible for imagining the visuals of an ad – such as photographs, illustrations, animation or film – and working with the copywriters to develop the slogans and logos for the products.

EDUCATION:

- **PRE-COLLEGE:** Classes in art, photography, computer, English, business, and speech
- **POST-SECONDARY:**
- **FOUR YEAR:** A bachelor's degree in advertising, business, or graphic design recommended; a strong portfolio likely required.

SKILLS: Creative; able to work in several different forms of media to provide clients with coordinated advertising campaigns in print, television, and online. They must also be able to communicate their ideas clearly and provide direction to other members of the

SALARY: According the Bureau of Labor Statistics, entry-level positions earn about \$37,000 per year.

PROSPECTS: Competition in this field can be intense. Your best chance at employment will be through networking, experience, and higher degrees.

RELATED CAREERS: Graphic Design, Brand Manager, Product Manager

Cartoonist

DESCRIPTION: Uses the news, day-to-day life, and special events in their community and around the world as a source of inspiration. Some cartoonists also work in the world of anime and computer generated cartoons and games. Some cartoonists work for newspapers, magazines or other printed media and others work directly for customers looking for specific cartoon figures for advertising or promotions.

EDUCATION:

- **PRE-COLLEGE:** Computer, and art classes
- **POST-SECONDARY:**
- **FOUR YEAR:** Most cartoonists have a background in art or a related subject area; some are self-taught and have a natural talent for drawing.

SKILLS: Excellent communication skills and drawing ability, able to interpret various events in a unique and creative way.

SALARY: According to Payscale.com, the salary range for a cartoonist is \$49-132-\$65-100.

PROSPECTS: Since January 2009, Cartoonist jobs have decreased 73%, according to simplyhired.com

RELATED CAREERS: Graphic Design, Fashion Illustration

Fashion Illustrator

DESCRIPTION: A graphic designer who works, usually with computer programs, to illustrate the vision of the apparel, footwear, or accessory design.

EDUCATION:

- **PRE-COLLEGE:** Computer, photography, and art classes
- **POST-SECONDARY:** Experience with design technology, including CAD training and experience.
- **FOUR YEAR:** An associate's degree in graphic or interior design or a related field

SKILLS: An eye for fashion, skill with graphic arts, photography, and perhaps sound and animation; good communication skills; the ability to work with a team and alone.

SALARY: The median annual salary for fashion illustrators is \$55,840, according to the BLS.

PROSPECTS: Discount or department store sectors offer more job opportunities than those who specialize in high-end fashion. The field is focused in New York City and Los Angeles.

RELATED CAREERS: Graphic Design, Interior Design

Graphic Designer

DESCRIPTION: Create visual messages or solutions for communication purposes. Graphic design employment offers specialization in print, electronic (such as online), and film media. Graphic designers may create magazine, web, brochure, and newspaper layouts. A graphic designer may design logos for businesses, layouts for print, and websites for online clients.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes
- **POST-SECONDARY:**
- **FOUR YEAR:** Graphic design school degrees can be earned at the associate's, bachelor's, and graduate levels. Most employers require at least a bachelor's degree.

SKILLS: An understanding of how to combine colors with images, words, and fonts using graphic design software programs; good communication and people skills.

SALARY: Median salaries are between \$30,600 and \$53,310 annually.

PROSPECTS: Competition is keen; a broad liberal arts education and experience in marketing and business management are recommended.

RELATED CAREERS: Interior design, Art Advertising, Fashion Illustration

Industrial Design

DESCRIPTION: Working closely with businesses and manufacturers, industrial designers take products and product ideas and make them user-friendly, ergonomic and attractive to consumers.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes
- **POST-SECONDARY:** Experience with design technology, including CAD training and experience.
- **FOUR YEAR:** Most employers require at least a bachelor's degree for entry-level positions. However, master's degrees are becoming more common in the field.

SKILLS: Creativity; An ability to collaborate and communicate with others is essential.

SALARY: According to Salary.com, median salary is \$42,641 - \$54,886 annually.

PROSPECTS: According to the U.S. Bureau of Labor Statistics, industrial designer jobs will grow seven percent by 2016.

RELATED CAREERS: Graphic Design, Interior Design

Interior Designer

DESCRIPTION: Interior designers plan the design of interior spaces including office buildings, major city and government dwellings, such as airports, hospitals and shopping malls, and private homes. Their primary concerns when designing a space is function, safety, and aesthetics. Interior designers use colors, furniture, lighting, and artwork when planning.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes
- **POST-SECONDARY:**
- **FOUR YEAR:** A bachelor's degree is recommended, followed by an apprentice position . In many states, Interior designers must take a licensing exam.

SKILLS: Creativity; often work with complex software so it is important to gain technical skills in addition to honing artistic skills while training; good communication skills and the ability to work with a team and alone are also necessary.

SALARY: Median salaries range from \$31,830 to \$57,230 according to the Occupational Employment Statistics survey program.

PROSPECTS: Employment is expected to grow faster than average; however keen competition for jobs is also expected.

RELATED CAREERS: Graphic Design, Commercial and Industrial Design, Fashion Design

Layout Artist

DESCRIPTION: A layout artist deals with the structure and layout out of images and text in a pleasing format for printed media. This can include magazine work, brochures, flyers, books, CD booklets, posters.

EDUCATION:

- **PRE-COLLEGE:** Computer, art, and photography classes
- **POST-SECONDARY:** Experience with layout software such as QuarkXPress, Adobe PageMaker, Adobe InDesign.
- **FOUR YEAR:** An associate's degree or higher in graphic design graphic communication, design theory or related field is recommended.

SKILLS: An eye for fashion, skill with graphic arts, photography, good communication skills; the ability to work with a team and alone.

SALARY: According to Payscale.com, the salary range for a Layout Artist is \$28,471-\$42,305.

PROSPECTS: Demand for artists with technology experience will increase as media companies use more detailed images and backgrounds in their designs.

RELATED CAREERS: Graphic Artist, Fashion Illustrator

Logo and Product Packaging Design Artist

DESCRIPTION: A subset of graphic design in which artists create logos, labels, and brand icons for consumer products such as food, drinks, books, album covers, video games, phones, beauty products. These designers are involved in all the visual aspects of creating the brand for a product, including color, size, branding, and materials that make up the package.

EDUCATION:

- **PRE-COLLEGE:** Classes in art, photography, English, computer, marketing
- **POST-SECONDARY:**
- **FOUR YEAR:** A bachelor's degree in graphic design, illustration, or fine arts is suggested.

SKILLS: creative ability; able to work well in groups or independently; must be familiar with a variety of publication forums, including television, film, and print publications; must be able to effectively communicate others.

SALARY: Entry level earnings for Graphic Designers in general were about \$35,000 per year, according the Bureau of Labor Statistics.

PROSPECTS: Career outlook is projected to grow at about the average rate between now and 2016. Much of this increase is expected in the video entertainment market.

RELATED CAREERS: Graphic Design, Advertising Art Director

Medical Illustrator

DESCRIPTION: Creates graphic representations of medical or biological subjects for use in textbooks, pamphlets, exhibits, instructional films, civil/criminal legal procedures, teaching models. Uses the most up-to-date computers and graphic design software to describe and illustrate a variety of medical concepts/processes. They may be called upon to produce three-dimensional models.

EDUCATION:

- **PRE-COLLEGE:** Classes in art, biology, chemistry, algebra, drawing, design, English, graphic arts, photography, and computer illustration
- **POST-SECONDARY:**
- **FOUR YEAR:** A bachelor's degree combining art and premedical courses is usually preferred, followed by a master's degree in medical illustration.

SKILLS: Medical Illustrators have artistic ability and a detailed knowledge of human and animal anatomy, as well as knowledge of surgical and medical procedures; they are detail oriented and creative enough to communicate their ideas visually.

SALARY: Salaries vary greatly depending on education and type of employment. Average Annual Salary: \$42,300.

PROSPECTS: A very small and competitive field. Employment opportunities for illustrators are expected to grow about as fast as all other professions.

RELATED CAREERS: Medical Photographer, Scientific Photographer

Multimedia Artist

DESCRIPTION: Multimedia artists use more than one medium in the creation of their work, and are often involved in creating special effects. Multimedia artists typically work in film, television, video game design, advertising, web design, and computer art and animation; however, the term also describes any artist who combines different elements in order to produce his or her work.

EDUCATION:

- **PRE-COLLEGE:** Computer, math, fine arts classes, including drama, music, visual arts, sculpture. For freelancers, business and marketing.
- **POST-SECONDARY:** Specialty schools and programs offer courses or certificates in various forms of multimedia arts.
- **FOUR YEAR:** A bachelor's degree in fine arts, animation, design, film, web design, cinema arts, or a related major is suggested.

SKILLS: Ability to think creatively, perceive things visually, communicate and understand ideas, sharpen and adapt existing skills, and work independently.

SALARY: The average yearly salary for a multimedia artist in the U.S. in 2007 was \$54,550 according to O*Net.

PROSPECTS: Increase in jobs in this field through 2016, due to the rising popularity of video/computer games, website development, animated series, movies with special effects

RELATED CAREERS: Visual Effects Artist, Web Design, Animation, Game Designer, 3D Modeler

Toy Designer

DESCRIPTION: Develops a completely new type of toy, game, or children's activity, and then brings it to life. This means drawing, sketching, or making a computer model of the concept, deciding how to make each detail, and then creating a prototype of the toy. Most toy designers spend a lot of time watching children play or thinking about modifications to existing games or toys that could be used for completely new projects.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes; business and marketing classes are beneficial for freelancers.
- **POST-SECONDARY:**
- **FOUR YEAR:** A Bachelor's degree in toy design, industrial design, graphic design, or related field. Associate programs are also available.

SKILLS: Enjoys working with a variety of materials including computers, electronics, plastics, metals, possibly fabric and stuffing. Toy designers often interact with children and adults to determine marketplace needs.

SALARY: Median annual wage in 2008 was \$56,550

PROSPECTS: A relatively small and very competitive industry

RELATED CAREERS: Graphic Design, Product Manager, Brand Manager

Video Game Design

DESCRIPTION: Creates the concept as well as the gameplay of a video game, including the characters, plot, levels, and scoring of the game.

EDUCATION:

- **PRE-COLLEGE:** Art and computer classes; join trade organizations and seek internships with video game design companies.
- **POST-SECONDARY:** Well developed visual and design skills and an understanding of technology.
- **FOUR YEAR:** Video game designers often have a Bachelor's degree in art or graphic design as well as computer skills.

SKILLS: Ability to think creatively, perceive things visually, communicate and understand ideas, sharpen and adapt existing skills, and work independently.

SALARY: Video game designer salaries range from \$40,695 up to \$60,931 per year as reported by www.payscale.com.

PROSPECTS: Increase in jobs in this field through 2016, due to the rising popularity of video/computer games, website development, animated series, movies with special effects.

RELATED CAREERS: Toy Design, Graphic Design, Animation, Multimedia Artist

Video Game Programmer

DESCRIPTION: A software engineer who creates and writes video game software. A programmer may focus on one area of the game, such as special effects, engine/tools, or artificial intelligence. For example, a network programmer writes code that enables people to play with or against one another over the Internet. This type of programming is particularly challenging, and usually requires a computer science or engineering degree. Or you may prefer to work in audio programming, writing the code that will trigger all the sounds in the game including speech, music, and sound-effects.

EDUCATION:

- **PRE-COLLEGE:** Computer, math, and art classes
- **POST-SECONDARY:** Experience writing software code; training in object-oriented programming languages, such as C++ and Java.
- **FOUR YEAR:** A bachelor's degree in either computer science or software engineering

SKILLS: Heavy coding and programming skills; good communication skills; the ability to work with a team and alone.

SALARY: Video game programmer salaries range from \$40,695 up to \$60,931 per year as reported by www.payscale.com.

PROSPECTS: Increase in jobs in this field through 2016, due to the rising popularity of video/computer games.

RELATED CAREERS: Video Game Design

Web Designer

DESCRIPTION: Creates and maintains websites. Creates the visual design and layout of websites, and works with clients to design the images, navigation, and overall appearance and feel of the website.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes; business/ marketing classes.
- **POST-SECONDARY:** Experience with ecommerce platforms and their integration with the design of a website.

- **FOUR YEAR:** An associate's or bachelor's degree in Web Design, Web Development, Visual Communication or related major

SKILLS: Creative ability; good communication skills; the ability to work with a team and alone

SALARY: The average salaries for web designers, depending on skill and experience, tend to be between \$35,000 and \$60,000 per year.

PROSPECTS: Web design careers are likely to be a high demand profession for the near future for the simple reason that there are more websites built every day.

RELATED CAREERS: Video Game Design, Video Game Programming; Graphic Design

Media Arts-related Careers:

Photography

Fine Arts Photographer

DESCRIPTION: Fine art photographers work as visual artists and sell their artwork in galleries.

Photographers working in this field focus on developing pictures that highlight their artistic talents and creativity. In addition to technical proficiency, fine arts photographers need artistic talent and creativity. They often work as freelance photographers.

EDUCATION:

- **PRE-COLLEGE:** Photography, art, computer classes; experience with editing software; seek out part-time or summer work as an assistant.
- **POST-SECONDARY:** Not required, although entry-level freelance photographers need technical proficiency
- **FOUR YEAR:** Some complete a college degree or vocational training programs.

SKILLS: Must be imaginative and original. They must have artistic ability, good hand-eye coordination, and an individual style of photography that will set them apart from the competition.

SALARY: Median annual wages of salaried photographers were \$29,440 in May 2008. Freelance Photographers experience a broader salary range.

PROSPECTS: Few Fine Arts Photographers are successful enough to support themselves solely through their art, according to the BLS.

RELATED CAREERS: Portrait Photographer

Industrial Photographer

DESCRIPTION: Takes pictures of various subjects, such as buildings, models, merchandise, artifacts, and landscapes. These photographs are used in a variety of media, including books, reports, advertisements, and catalogs. Industrial photographers often take pictures of equipment, machinery, products, workers, and company officials.

EDUCATION:

- **PRE-COLLEGE:** Photography, computer classes; experience with editing software; seek part-time or summer work as an assistant.
- **POST-SECONDARY:**
- **FOUR YEAR:** Entry-level positions generally require a college degree in photography or in a field related to the industry in which the photographer seeks employment.

SKILLS: Good eyesight, artistic ability, good hand-eye coordination; detail-oriented; experience with editing software.

SALARY: Median annual wages of salaried photographers were \$29,440 in May 2008.

PROSPECTS: Expect keen competition. Related work experience, job-related training, or some unique skill or talent improve a photographer's job prospects.

RELATED CAREERS: Commercial Photographer

Medical Photographer

DESCRIPTION: Also known as biomedical photographers, Medical Photographers document scientific information that relates to biology, chemistry, medicine, and other health-related subjects to be used in textbooks, pamphlets, exhibits, instructional films, civil/criminal legal procedures, and teaching models. They may also document surgical procedures, record a patient's medical progress over a period of time, or photograph an autopsy.

EDUCATION:

- **PRE-COLLEGE:** Classes in art, biology, chemistry, algebra, photography
- **POST-SECONDARY:**
- **FOUR YEAR:** An associate or bachelor's degree in a related field, strong photography experience.

SKILLS: Artistic ability and a detailed knowledge of scientific processes; experience with photographic design software, such as Photo Shop; detail oriented and creative enough to communicate their ideas visually.

SALARY: Salary Range \$28,900-\$44,700 per year.

PROSPECTS: A relatively small, competitive field. Employment opportunities are expected to grow about as fast as all other professions

RELATED CAREERS: Scientific Photographer, Registered Biological Photographer

Movie Stills Photographer

DESCRIPTION: A photographer who works on a movie set but is not directly involved in the making of the movie. They take photographs used to publicize the movie in posters, magazines, newspapers, and other media; takes photos of the actors and sets separately, as well as some "behind the scenes" photos that are often found on DVD extras; may also take photos of the actors in a studio; photos may be composited with other images or artwork to make a new image for publicity material, such as posters.

EDUCATION:

- **PRE-COLLEGE:** Photography, art, computer classes; seek summer or part-time employment in camera stores, or photo studios as an assistant.
- **POST-SECONDARY:**

- **FOUR YEAR:** Some photographers complete a college degree or vocational training programs.

SKILLS: Good eyesight, artistic ability, and good hand-eye coordination. They should be patient, accurate, and detail-oriented.

SALARY: Varies depending on work experience, between \$20,620-\$62,430

PROSPECTS: Expect keen competition. Related work experience, job-related training, or some unique skill or talent improve a photographer's job prospects.

RELATED CAREERS: Portrait Photographer, Fine Arts Photographer

News Photographer/ Photojournalist

DESCRIPTION: Photographs newsworthy people, places, and sporting, political, and community events for newspapers, journals, magazines, or television. Although they often work in salaried staff positions, photojournalists often work as freelancers, selling the rights to their photographs to the highest paying news outlet.

EDUCATION:

- **PRE-COLLEGE:** Photography and art classes; experience with editing software; classes related to the subject area of interest.
- **POST-SECONDARY:**
- **FOUR YEAR:** Entry-level positions generally require a college degree in photography or in a field related to the industry in which the photographer seeks employment

SKILLS: Good eyesight, artistic ability, and good hand-eye coordination. News photographers must not only be good with a camera, but also understand the story behind an event so that their pictures match the story. They must be decisive in recognizing a potentially good photograph and act quickly to capture it.

SALARY: Median annual wages of salaried photographers were \$29,440 in May 2008.

PROSPECTS: Competition is keen; Related work experience, or a unique skill or talent improve a photographer's job prospects.

RELATED CAREERS: News Analyst, Reporter, and Correspondent

Photographic Process Worker/Processing Machine Operators

DESCRIPTION: Use various machines to create prints from film or digital photographs. Most digital processing is done automatically by computer software. Photographic process workers perform more delicate tasks, such as retouching photographic negatives, prints, and images to emphasize or correct specific features.

EDUCATION:

- **PRE-COLLEGE:** Photography, art, and computer classes
- **POST-SECONDARY:** Not required; most skills needed for these jobs can be learned on-the-job in a few months.
- **FOUR YEAR:**

SKILLS: eyesight, good hand-eye coordination, attention to detail

SALARY: Median annual wages for Photographic Process Workers was \$26,010; for Photographic Processing Machine Operators the median annual wages was \$20,360.

PROSPECTS: Job opportunities will be best for individuals with experience using computers and digital technology.

RELATED CAREERS: Prepress Technician

Portrait Photographer

DESCRIPTION: Takes pictures of individuals or groups of people and usually works in his/her own studio. Some specialize in weddings, religious ceremonies, or school photographs, and they may work on location.

EDUCATION:

- **PRE-COLLEGE:** Photography, art, computer classes; seek summer or part-time employment in photo studios as an assistant.
- **POST-SECONDARY:**
- **FOUR YEAR:** Some portrait photographers complete a college degree or vocational training programs.

SKILLS: The ability to help people relax in front of the camera; good eyesight, artistic ability, and good hand-eye coordination; patient, accurate, and detail-oriented; experience with editing software.

SALARY: Median annual wages of salaried photographers were \$29,440 in May 2008.

PROSPECTS: Competition is keen; Related work experience, or a unique skill or talent improve a photographer's job prospects.

RELATED CAREERS: Movie Stills Photographer, Fine Arts Photographer

Scientific Photographer

DESCRIPTION: Takes images of a variety of subjects to record scientific or medical data or phenomena, using knowledge of scientific procedures. They typically possess additional knowledge in areas such as engineering, medicine, biology, or chemistry.

EDUCATION:

- **PRE-COLLEGE:** Photography and computer classes; experience with editing software; classes related to the subject area of interest.
- **POST-SECONDARY:**
- **FOUR YEAR:** Entry-level positions generally require a college degree in photography or a field related to the subject area in which the photographer seeks employment.

SKILLS: Good eyesight, artistic ability, and good hand-eye coordination; patient, accurate, detail-oriented and should be able to work well with others; experience with editing software.

SALARY: Median annual wages of salaried photographers were \$29,440 in May 2008.

PROSPECTS: Competition is keen; Related work experience, or a unique skill or talent improve a photographer's job prospects.

RELATED CAREERS: Medical Photographer

Media Arts-related Careers: Sound, Television, Film & Video

3D rendering

DESCRIPTION: Rendering is the final process of creating the actual 2D image or animation from the prepared scene. This can be compared to taking a photo or filming the scene after the setup is finished in real life. Several different, and often specialized, rendering methods have been developed. Rendering can be used in a variety of fields.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes in high school.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree from art school recommended.

SKILLS: Ability to work with a variety of computer programs. Being able to visualize and communicate different ideas to clients and others who work in the field. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Determining causes of operating errors and deciding what to do about it. Understanding written sentences and paragraphs in work related documents.

SALARY: The mean salary in 2009 for a person in this profession was \$52,000.00

PROSPECTS: During 2008, there were approximately 38,000 people employed in this field.

RELATED CAREERS: Rendering has its value in architecture, engineering, computer animation and web design.

Audio and Video Equipment Technicians

DESCRIPTION: Set up or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. May also set up and operate associated spotlights and other custom lighting systems.

EDUCATION:

- **PRE-COLLEGE:** Taking technical theatre classes, volunteering for a local theatre company or band.
- **POST-SECONDARY:** Associates degree strongly recommended.
- **FOUR YEAR:** Bachelor's degree from a film or theatre college or university strongly recommended.

SKILLS: Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Determining causes of operating errors and deciding what to do about it. Understanding written sentences and paragraphs in work related documents. Controlling operations of equipment or systems.

SALARY: The mean salary in 2009 for a person in this profession was \$39,100.00

PROSPECTS: Competitive During 2008, there were approximately 55,000 people employed in this field.

RELATED CAREERS: Equipment repair; installation of equipment; technician for performance company or in academia.

Audio engineer

DESCRIPTION: Set up, operate, and maintain the electronic equipment used to transmit radio and television programs. Control audio equipment to regulate volume level and quality of sound during radio and television broadcasts. Operate radio transmitter to broadcast radio and television programs.

EDUCATION:

- **PRE-COLLEGE:** Taking technical theatre classes, volunteering for a local theatre company or band.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree from a film school or theatre program is recommended.

SKILLS: Giving full attention to what other people are saying, taking time to understand the points being made. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Determining causes of operating errors and deciding what to do about it. Understanding written sentences and paragraphs in work related documents. Controlling operations of sound equipment or systems.

SALARY: The mean salary in 2009 for a person in this profession was \$33,000.00

PROSPECTS: During 2008, there were approximately 38,000 people employed in this field.

RELATED CAREERS: Audio engineers work for private companies, churches, music, TV, and motion picture industries

Broadcast Technicians

DESCRIPTION: Set up, operate, and maintain the electronic equipment used to transmit radio and television programs. Control audio equipment to regulate volume level and quality of sound during radio and television broadcasts. Operate radio transmitter to broadcast radio and television programs.r.

EDUCATION:

- **PRE-COLLEGE:** Taking technical theatre classes, volunteering for a local theatre company or band.

- **POST-SECONDARY:** Associates Degree required.
- **FOUR YEAR:** Bachelor's degree from a film school strongly recommended.

SKILLS: Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Determining causes of operating errors and deciding what to do about it. Controlling operations of equipment or systems.

SALARY: The mean salary in 2009 for a person in this profession was \$33,000.00

PROSPECTS: During 2008, there were approximately 38,000 people employed in this field.

RELATED CAREERS: TV, radio stations and the military.

Color Timer

DESCRIPTION: Balances the film's color, contrast and density in the processing lab for consistency of tone and mood throughout movie.

EDUCATION:

- **PRE-COLLEGE:** Classes that use computer graphics in high school.
- **POST-SECONDARY:**
- **FOUR YEAR:** BA from a film school.

SKILLS: Ability to work with a variety of computer programs. Being able to visualize final product. Ability to communicate different ideas. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. Determining causes of operating errors and deciding what to do about it.

SALARY: The salary range in 2009 was between \$37,000 and \$51,000 per year.

PROSPECTS: Projections call for a 10% increase in the film industry over the next ten years.

RELATED CAREERS: Film Editor, Computer Graphics, Teaching

Director - Animated Movies

DESCRIPTION: Directs television, video, or motion picture animated features for entertainment, information, or instruction. Responsible for creative decisions and unifying vision, such as interpretation of script, choice of voice-over actors, visual design, sound, special effects, and choreography.

EDUCATION:

- **PRE-COLLEGE:** Directing, acting and computer graphics courses in high school.
- **POST-SECONDARY:**
- **FOUR YEAR:** Directors of animated movies come from a variety of fields but most have a degree in cinematography, stage direction, or computer graphics.

SKILLS: Must be knowledgeable of various animation techniques. The ability to communicate effectively with others, reason and problem solve, manage oneself, other people, time and things, perceive and visualize ideas, be able to work with a variety of people.

SALARY: The salary range in 2009 for a person in this profession was \$30,000.00- \$120,000.00

PROSPECTS: Projections call for a 10% increase in the film industry over the next ten years.

RELATED CAREERS: Film and Stage Directing, Computer Graphics, Web Site Design

Exhibit Designer

DESCRIPTION: Exhibit designers can work in museums, trade shows and other fields. They create the look of an exhibit or place that may not have performers. The place is the performer.

EDUCATION:

- **PRE-COLLEGE:** Art, computer, and theatre classes.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor Degree in Art or computer graphics is required. Master's degree a plus.

SKILLS: Ability to work with a variety of computer programs. Being able to visualize final product. Ability to communicate different ideas to clients and others who work in the field. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

SALARY: The salary range in 2009 for a person in this profession was \$37,000- \$63,000.00

PROSPECTS: During 2008, there were approximately 38,000 people employed in this field.

RELATED CAREERS: Exhibit design is closely related to architecture, engineering and set design.

Film and TV Director

DESCRIPTION: Directs television, video, or motion picture productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of guests, set design, sound, special effects, and choreography.

EDUCATION:

- **PRE-COLLEGE:** Taking theatre classes . Volunteering for a local videographer and/or theatre company.
- **POST-SECONDARY:** Serve as a production assistant for a film company.
- **FOUR YEAR:** Although not require, a degree in cinematography or stage direction are recommended.

SKILLS: Communicate effectively with others, reason and problem solve, manage oneself, other people, time and things, perceive and visualize ideas, be able to work with a variety of people. Understand the technical aspects of a filmed production. Ability to work within a budget.

SALARY: The mean salary in 2009 for a person in this profession was \$60,000.00

PROSPECTS: During 2010, there were 93,000 directors working in the U.S. Projections call for a 10% increase over the next ten years.

RELATED CAREERS: Teaching, Stage Director, Cinematographer, Producer.

Film and Video Editors

DESCRIPTION: Edits motion picture, soundtracks, film, and video.

EDUCATION:

- **PRE-COLLEGE:** Film and computer classes; volunteering with a local theatre company.
- **POST-SECONDARY:** Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.
- **FOUR YEAR:** Some jobs may require a bachelor's degree.

SKILLS: Knowledge of electronic circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming; ability to work with others; critical thinking skills; ability to listen to directions.

SALARY: Most people employed in this occupation were paid between \$30,110.00 and \$156,880.00.

PROSPECTS: During 2008, there were approximately 26,000 people employed in this field. It is projected that there will be 29,000 employed in 2018.

RELATED CAREERS: Editors can work in the film, video, TV, music and theatre industries

Foley Artist

DESCRIPTION: Creates, recreates and records sound effects, such as raging storms or breaking bones. Named after famous sound editor Jack Foley.

EDUCATION:

- **PRE-COLLEGE:** Technical theatre courses. Volunteering at a local theatre company.
- **POST-SECONDARY:**
- **FOUR YEAR:** BA from a film or theatre school with a Sound Design program.

SKILLS: Knowledge of a variety of sound recording equipment and software. Ability to think out of the box. Ability to communicate and work with a variety of people. Must be good with deadlines and able to work under pressure.

SALARY: The salary in 2009 was up to \$80,000 per year or \$400 per day

PROSPECTS: Projections call for a 10% increase in the film industry over the next ten years.

RELATED CAREERS: Sound Designer, Audio Technician, Sound Recording Engineer.

Gaffer

DESCRIPTION: Chief lighting technician in film or TV. In charge of the lighting crew to design, hang and creates lighting effects for movies such as a lightning storm or a soft summer sunset.

EDUCATION:

- **PRE-COLLEGE:** Technical classes in high school. Volunteer for local theatre company.
- **POST-SECONDARY:**
- **FOUR YEAR:** BA from a Film or Theatre school with a lighting program.

SKILLS: Knowledge of a variety of lighting equipment and soft ware. Ability to think out of the box. Ability to communicate and work with a variety of people. Must be good with deadlines and able to work under pressure.

SALARY: The salary in 2009 was between 30,000 and 70,000 per year.

PROSPECTS: Projections call for a 10% increase in the film industry over the next ten years.

RELATED CAREERS: Lighting Designer for live performances, Teaching.

Key Grip

DESCRIPTION: The grips on a movie set handle all of the equipment not directly attached to the lights. They are also responsible for the safety of the cast and crew. The Key Grip is the head grip

EDUCATION:

- **PRE-COLLEGE:** Technical classes in high school. Volunteer for local theatre company.
- **POST-SECONDARY:**
- **FOUR YEAR:** BA from a Film or Theatre school with a lighting program.

SKILLS: Knowledge of a variety of lighting equipment and soft ware. Ability to think out of the box. Ability to communicate and work with a variety of people. Must be good with deadlines and able to work under pressure.

SALARY: The average salary in 2009 was between \$60,000 to \$100,000+ per year.

PROSPECTS: There has been a slight decrease in the number of jobs in the last five years.

RELATED CAREERS: Lighting Designer for the stage, Teaching

Lighting Designer

DESCRIPTION: Lighting designers use lighting effects to alter the mood and shape of interior and outside scenes or performances, dance, theatre and music productions.

EDUCATION:

- **PRE-COLLEGE:** Technical classes in high school. Volunteer for local theatre company
- **POST-SECONDARY:**
- **FOUR YEAR:** BA from a Theatre school with a lighting design program.

SKILLS: Must have an aptitude for electrical work and electronics, have creative flair, be able to work quickly and creatively as part of a team, and have patience, stamina, physical agility and a head for heights. Must be able to work with a variety of computerized lighting programs.

SALARY: The average salary in 2009 was \$67,000 per year.

PROSPECTS: Strong growth expected over the next ten years.

RELATED CAREERS: Technical Director, Teaching, Film work.

Multi-Media Artist/Animator

DESCRIPTION: 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.

EDUCATION:

- **PRE-COLLEGE:** Computer and art classes in high school.
- **POST-SECONDARY:**
- **FOUR YEAR:** Requires a four-year bachelor's degree. Animators usually need several years of work-related experience, on-the-job training, and/or vocational training to get into the higher levels of this profession.

SKILLS: Active listening; time management; operations analysis; ability to work with others; knowledge of a variety of computer graphics software; and critical thinking skills

SALARY: In 2009, salaries range from \$32,000 to \$99,000.00 with median being \$58,300.

PROSPECTS: During 2008, there were approximately 79,000 people employed in this field. It is projected that there will be 90,000 employed in 2018.

RELATED CAREERS: Web design, film and video editors, computer graphics,

Roadie

DESCRIPTION: The job of the roadie is making sure the equipment needed for each musical performances or large scale stage performances moves safely from one venue to the next. This includes amplifiers,

microphones, musical instruments, lighting equipment, stage props and scenery. Roadies are responsible for loading all equipment into transport vehicles, driving it to the next location and unloading.

EDUCATION:

- **PRE-COLLEGE:** Take technical theatre classes. Volunteer for a local theatre company or band.
- **POST-SECONDARY:**
- **FOUR YEAR:** Not required.

SKILLS: Must be able to read schematics and architectural drawings. Must be knowledgeable with lighting and musical equipment. The ability to communicate effectively with others, reason and problem solve, manage oneself, other people, time and things, perceive and visualize ideas, be able to work with a variety of people. Stamina and strength play a large role in a roadie's job description.

SALARY: The salary range in 2009 for a person in this profession was \$20,000 to 40,000 per year

PROSPECTS: Projections call for a 10% increase in the entertainment industry over the next ten years.

RELATED CAREERS: Band Manager, Stage Manager

Sound Designer

DESCRIPTION: Sound designers use sound effects, music, and other sounds either live or recorded to alter the mood of and shape of interior and outside performances, theatres and music venues and productions.

EDUCATION:

- **PRE-COLLEGE:** Technical classes in high school. Volunteer for local theatre company or local band.
- **POST-SECONDARY:**
- **FOUR YEAR:** College degree not always required but are highly recommended.

SKILLS: Must have an aptitude for electrical work and electronics, have creative flair, be able to work quickly and creatively as part of a team, and have patience, stamina, physical agility and a head for heights. Must be able to work with a variety of computerized and non-computerized sound equipment.

SALARY: The average salary in 2009 was \$77,000 per year.

PROSPECTS: Jobs in this field have doubled from 2006 to 2010.

RELATED CAREERS: Foley Artist, Sound Board Operator, Audio Technician

Sound Engineering Technician

DESCRIPTION: Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.

EDUCATION:

- **PRE-COLLEGE:** Taking technical theatre classes, volunteering for a local theatre company or band.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor's degree from a film or theatre college or university

SKILLS: Controlling operations of equipment or systems. Determining causes of operating errors and deciding what to do about it. Keeping up with new technologies. Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. Ability to work with others. Critical thinking skills

SALARY: The mean salary in 2009 for a person in this profession was \$46,400.00

PROSPECTS: Competitive During 2009, there were approximately 8,000 people employed in this field.

RELATED CAREERS: Sound board operator for a music, dance, or theatre company.

Special Effects Technician

DESCRIPTION: Responsible for anything that isn't human or stationary; explosions, fires, animatronics in movies.

EDUCATION:

- **PRE-COLLEGE:** Shop, art, and theatre classes.
- **POST-SECONDARY:** Not required but recommended
- **FOUR YEAR:** Not required but recommended

SKILLS: Working in a variety of mediums including computer generated graphics, 2d and 3d mediums. The ability to think in forms, designs and patterns. They often require self-expression and the work can be done without following a clear set of rules. Knowledge of software, including applications and programming. Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models. Ability to work with others. Critical thinking

SALARY: The mean salary in 2009 for a person in this profession was \$71,000.00

PROSPECTS: Highly competitive. During 2009, there were approximately 8,000 people employed in this field.

RELATED CAREERS: Prop and costume designer; lighting and sound technician; Foley artist.

Stage Director

DESCRIPTION: Directs stage productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, casting, set design, sound, special effects, and choreography.

EDUCATION:

- **PRE-COLLEGE:** Taking performance and technical theatre classes, volunteering for a local theatre company.
- **POST-SECONDARY:**
- **FOUR YEAR:** A degree in stage direction is recommended although not required.

SKILLS: Communicate effectively with others, reason and problem solve; manage oneself, other people, time and things; perceive and visualize ideas; be able to work with a variety of people.

SALARY: The mean salary in 2009 for a person in this profession was \$60,000.00

PROSPECTS: During 2010, there were 93,000 directors working in the U.S. Projections call for a 10% increase over the next ten years.

RELATED CAREERS: Teaching, TV and film director, Designer, Actor, Producer.

Television, video, and motion picture camera operators

DESCRIPTION: Produce images that tell a story, inform or entertain an audience, or record an event. Some camera operators do their own editing.

EDUCATION:

- **PRE-COLLEGE:** Working on school TV or morning show. Taking photography and video classes.
- **POST-SECONDARY:** Associates Degree required.
- **FOUR YEAR:** Bachelor's degree recommended

SKILLS: Camera operators need good eyesight, artistic ability, and hand-eye coordination. They should be patient, accurate, and detail oriented. Camera operators also should have good communication skills and, if needed, the ability to hold a camera by hand for extended periods. Individuals who run their own businesses or do freelance work need business skills as well as talent. These individuals must know how to submit bids, write contracts, get permission to shoot on locations that normally are not open to the public, obtain legal permission to use film or tape of people, price their services, secure copyright protection for their work, and keep financial records.

SALARY: Median annual wages for television, video, and motion picture camera operators were \$41,670 in May 2008.

PROSPECTS: During 2008, there were approximately 26,000 people employed in this field. It is projected that there will be 29,000 employed in 2018.

RELATED CAREERS: Camera Operators can work in many fields in business and industry, trade shows, and the military.

Videographer

DESCRIPTION: Film or videotape private ceremonies and special events, such as weddings. Some record and post short videos on Web sites for businesses.

EDUCATION:

- **PRE-COLLEGE:** Working on school TV or morning show; taking photography and video classes.
- **POST-SECONDARY:** Associates Degree strongly recommended. Many trade schools offer courses in Videography.
- **FOUR YEAR:** Bachelor's degree from a film school strongly recommended. After degree, camera operators first become production assistants to learn how film and video production work.
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SKILLS: Videographers need good eyesight, artistic ability, and hand-eye coordination. They should be patient, accurate, and detail oriented. Videographers also should have good communication skills and, if needed, the ability to hold a camera by hand for extended periods. Videographers who run their own businesses or do freelance work need business skills as well as talent. These individuals must know how to submit bids, write contracts, get permission to shoot on location, obtain legal permission to use film or tape of people, price their services, secure copyright protection for their work, and keep financial records.

SALARY: Median annual wages for camera operators were \$41,670 in May 2008.

PROSPECTS: During 2008, there were approximately 26,000 people employed in this field. It is projected that there will be 29,000 employed in 2018.

RELATED CAREERS: Camera Operators can work in many fields in business and industry, trade shows, and the military.

Visual Engineer

DESCRIPTION: Set up, operate, and maintain the electronic equipment used to transmit television programs. Control visual equipment to regulate levels and quality of images during television broadcasts. Operate transmitter to broadcast television programs.

EDUCATION:

- **PRE-COLLEGE:** Taking technical theatre classes, volunteering for a local theatre company or television studio.
- **POST-SECONDARY:**
- **FOUR YEAR:** Bachelor Degree is recommended.

SKILLS: Ability to work with a variety of audio and visual systems. Ability to set up and take down portable systems. Ability to troubleshoot equipment. Giving full attention to what other people are

saying, taking time to understand the points being made. Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

SALARY: The mean salary in 2009 for a person in this profession was \$48,000.00

PROSPECTS: During 2010, there was an increase of 4% for jobs in this field.

RELATED CAREERS: Visual engineers work for private companies, churches, music, TV, motion picture industries, and government agencies overseeing the airwaves.

Music

<p>Performance/Studio:</p> <ul style="list-style-type: none"> • Orchestra Musician • Studio Musician • Concert Instrumental Soloist • Dance, Rock, or Jazz Band Musician • Singer, Concert Vocal Soloist, Opera soloist • Conductor 	<p>Education:</p> <ul style="list-style-type: none"> • Music Education- K-12, post secondary, workshops, continuing education • Band, Chorus, or Orchestra Director • Private Studio Teacher • University, Conservatory, College School of Music Administrator • Music Clinician • Conductor • Music Psychology • Music Critic • Music Librarian
<p>Technology:</p> <ul style="list-style-type: none"> • Composer • Jingle, Television, and/or Film Score Composer • Arranger • Instrument Maker • Instrument Repairman/Tuner • Disc Jockey – Radio and/or Club • Music/Audio Technician • Producer • Virtual Reality Sound – Games, Internet, Software Programs 	<p>Business:</p> <ul style="list-style-type: none"> • Music Business Attorney • Music Industry • Music Publisher • Music Communications – Publishers, editors, reporters, and public relations • Music Critic • Accounting/Grant Writing

Music-related Careers

Band or Orchestra Director

DESCRIPTION: Provide instrumental instruction beginning in the 5th/6th grade through high school. Secondary instruction also includes music theory, music history, and music literature. Direct a variety of afterschool honors/district level ensembles, marching band, student instrumental organizations, and musical theatre productions.

EDUCATION: Ability to read music and perform on a primary instrument. Keyboard study a plus.

SKILLS: Performance skill on at least one major instrument. Ability to work with a variety of ages and cultures. Ability to choose age and level appropriate music for ensembles and audition purposes. Strive for continuous study and improvement. Variety of musical knowledge. Patience and communication skills.

SALARY: \$19,000 - \$70,000 based on years experience and education

PROSPECTS: Ever increasing field of study. Currently more jobs available than graduates to fill them. However, competition is high for highly qualified applicants.

RELATED CAREERS: Conductor of community and church musical organizations. Professional performer with local professional and semi-professional performing ensembles. Clinician, music librarian, private instructor, music store representative.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in music education and teaching certificate

Choral Director

DESCRIPTION: Provide choral instruction beginning at the elementary level through high school. Lead choirs and provide direction for other choral ensembles including musical theatre. Secondary instruction also includes music theory, music history, and music literature.

EDUCATION: Ability to read music. Private study in piano and voice a must.

SKILLS: Performance skill on one voice. Ability to work with a variety of ages and cultures. Ability to choose age and level appropriate music for ensembles and audition purposes. Strive for continuous study and improvement. Variety of musical knowledge. Patience and communication skills.

SALARY: \$19,000 - \$70,000 based on years experience and education

PROSPECTS: Ever increasing field of study. Currently more jobs available than graduates to fill them. However, competition is high for highly qualified applicants.

RELATED CAREERS: Conductor of community and church musical organizations. Professional performer with local professional and semi-professional performing ensembles including local theatre productions and companies. Clinician, music librarian, private instructor, music store representative.

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in music education and teaching certificate

Music Professor - Post-Secondary

DESCRIPTION: Specialize in one or two areas such as a primary instrument and music theory, music history and literature, music education, musicology, electronic music, composition, conducting, music therapy

EDUCATION: Ability to read music. Private study in piano and a primary instrument or voice.

SKILLS: Performance skill on at least one major instrument or voice. Keyboard skill. Knowledge of National Standards for Music Education. Ability to work with a variety of cultural backgrounds. Strive for continuous study and improvement. Variety of musical knowledge. Patience and communication skills.

SALARY: \$18,000 - \$115,000 based on type of institution and its location.

PROSPECTS: Highly competitive. The more education you have the better for this field. Limited positions available.

RELATED CAREERS: Conductor, Music Theorist, Musicologist, Arranger, Studio teacher, Composer, clinician

POST-SECONDARY EDUCATION NEEDED: Doctoral degree or equivalent training. Sometimes hire professional musicians but should have at least a masters degree.

Private Studio Teacher

DESCRIPTION: Self-employed, private or one-on-one tutoring on a primary instrument or voice. The studio can be located in a home, school, office building, or music store. Often a part-time job that is supplemented by other "gigs" or part-time jobs. Studio teachers who teach out of businesses or stores are usually paid through said businesses.

EDUCATION: Ability to read music. Private study on studio instrument.

SKILLS: Performance skill on a primary instrument or voice - specifically one chosen for private studio. Keyboard skill is a plus but not necessary. Ability to work with a variety of cultural backgrounds and performance and skill levels. Administrative and elementary accounting skills needed for taxes and other elements of self-employment.

SALARY: \$10 - \$100 per hour based on education. Some studio teachers breakdown lessons into half hour increments.

PROSPECTS: Education and self-marketing are key. Increasing number of students for a decreasing number of teachers.

RELATED CAREERS: Band, Orchestra or Choral Director, Church Musician, Orchestral musician, adjunct or permanent college and university professors, music store representatives

POST-SECONDARY EDUCATION NEEDED: Not required but equivalent training and education recommended.

Music Business Attorney

DESCRIPTION: A lawyer who specializes in copyright and contractual relationships between musicians and consumers of music in popular and standard areas. Would be likely to negotiate recording contracts, management or agent agreements, music licensing between publishers and motion picture companies, royalties, etc.

EDUCATION: Ability to read music. Some performance skill in voice or instrument. Interest in Mock Trial and/or debate in high school.

SKILLS: Specialized knowledge in one or more fields of music industry. A head for business and performance contracting and copyright. Computer skills. Continuous study to stay updated on entertainment and copyright laws.

SALARY: \$30,000 - \$300,000 depending on areas of expertise, education, and prestige of law firm within performing arts communities.

PROSPECTS: Highly competitive. Education and networking are recommended in this area.

RELATED CAREERS: Entertainment lawyer, Music Artist Manager or Agent, Composer Patent or copyright lawyer

POST-SECONDARY EDUCATION NEEDED: Most likely a Bachelors of Arts or Music with a pre-law emphasis. Law School graduate.

University, Conservatory, College Music School Administrator

DESCRIPTION: Usually a former music professor or experienced professional musician who can run the administrative and financial aspect of a post-secondary School of Music. Will generally hire new music faculty as well as maintain the everyday tasks and events of the music department. At some smaller colleges or universities this position may be over the entire Fine Arts Department. Also called Deans.

EDUCATION: Experience in school music programs. Possible officer within student government

SKILLS: Administrative abilities, broad cultural background, extensive musical knowledge, skill in teaching and networking.

SALARY: \$26,000 - \$185,000 depending on education and years experience as well as location of institution.

PROSPECTS: Highly competitive. The more education you have the better for this field. Limited positions available.

RELATED CAREERS: University, college, or conservatory professor of music, music manager, music industry administrator.

POST-SECONDARY EDUCATION NEEDED: Masters or Doctoral degree or equivalent training in music as well as administration

Orchestra Musician

DESCRIPTION: Experienced professional musician who performs on a regular basis with one or more symphonies or orchestras. Orchestral musicians usually combine orchestral performance with other careers in music such as studio teaching or public/private school teaching to supplement living expenses. Jobs/gigs are usually offered based on an audition.

EDUCATION: Ability to read music and perform on a primary instrument. Private instruction and participation in instrumental ensembles.

SKILLS: Musical talent, ambition and perseverance. Drive to constantly improve and learn. Ability to work with other people within your section as well as your ensemble. Skill in ensemble performance, sight-reading, transposition and possible improvisation. Knowledge of instrumental ensemble literature.

SALARY: \$300/week - \$70,000+/year depending on location of performance ensemble and education level. Salary is also dependent on performance schedule – i.e. year-long versus seasonal.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: University or college professor, public school teacher, studio teacher, music store manager/employee, music publisher/editor, clinician

POST-SECONDARY EDUCATION NEEDED: At least Bachelor's Degree in Music though not necessarily performance.

Concert Soloist

DESCRIPTION: Experienced professional musician who performs as a soloist with a variety of symphonies or orchestras. The solo musician usually travels around the country to perform one or more specific

concerti over the course of a tour. They may perform the same concert in several different states/cities before moving on to the next piece. Many soloists specialize on a specific concerto or composer.

EDUCATION: Ability to read music and perform on a primary instrument. Private instruction and participation in instrumental ensembles.

SKILLS: Ability to work with people, ambition, musical talent, perseverance and initiative, business knowledge, knowledge of instrumental literature and improvisational skills

SALARY: Salary varies based on venue, solo skill, and performance literature. Can range from \$1000 - \$50,000+ per performance.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: Studio teacher, public/private school teacher, university professor, clinician

POST-SECONDARY EDUCATION NEEDED: Not required but will usually have at minimum a Bachelor's of Music in Performance

Dance, Rock, or Jazz Band Musician

DESCRIPTION: Experienced musician who may perform with a set ensemble or may move from group to group by specializing on a specific instrument or style of performance. This musician usually targets a specific type of audience. Most often found in clubs or recording studio settings.

EDUCATION: Ability to read music and perform on a primary instrument. Private instruction and participation in instrumental ensembles.

SKILLS: Ability to work with people, ambition, musical talent, perseverance and initiative, business knowledge, knowledge of instrumental literature and improvisational skills

SALARY: \$150 - \$400 per performance. Salary varies based on venue location and event.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: University or college professor, public school teacher, studio teacher, music store manager/employee, music publisher/editor, clinician

POST-SECONDARY EDUCATION NEEDED: Not required but will usually have at minimum a Bachelor's of Music in Performance

Singer

DESCRIPTION: Experienced musician who may perform with a set ensemble or may move about from group to group by specializing in a specific style or genre of music. This musician usually targets a

specific type of audience. Success most often sought in the recording studio or on tour though not always as a solo artist.

EDUCATION: Ability to read music and perform in a primary voice. Private instruction and participation in choral/drama ensembles.

SKILLS: Excellent voice, ability to work with people, ambition, continued study and improvement, perseverance, showmanship, business knowledge, knowledge of foreign languages and vocal literature, skills in sight-singing and memorization, appropriate piano skill a plus but not required.

SALARY: \$150 - \$400+ per performance. Salary varies based on venue location and event.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: Studio teacher, public/private school teacher, university professor, clinician

POST-SECONDARY EDUCATION NEEDED: Not required but will usually have at minimum a Bachelor's of Music in Performance

Concert Vocal Soloist

DESCRIPTION: Experienced musician who performs as a vocal soloist with a variety of symphonies, orchestras, other ensembles. The solo musician usually travels around the country to perform solos from specific vocal works over the course of a tour. Many soloists specialize with a specific vocal piece or composer.

EDUCATION: Ability to read music and perform in a primary voice. Private instruction and participation in choral/drama ensembles.

SKILLS: Excellent voice, ability to work with people, ambition, continued study and improvement, perseverance, showmanship, business knowledge, knowledge of foreign languages and vocal literature, skills in sight-singing and memorization, appropriate piano skill a plus.

SALARY: \$400+ per performance. Salary varies based on venue, solo performance level, and literature.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: Studio teacher, public/private school teacher, university professor, clinician

POST-SECONDARY EDUCATION NEEDED: Not required but will usually have at minimum a Bachelor's of Music in Performance

Opera Soloist

DESCRIPTION: Experienced musician who performs as a vocal soloist music or literature solely from the opera genre. These soloists often specialize in a specific character or composer. These soloist may perform full opera productions or concert versions of said operas.

EDUCATION: Ability to read music and perform in a primary voice. Private instruction and participation in choral/drama ensembles.

SKILLS: Excellent voice, ability to work with people, ambition, continued study and improvement, perseverance, showmanship, business knowledge, knowledge of foreign languages and vocal literature, skills in sight-singing and memorization, appropriate piano skill a plus. Drama skills and techniques recommended.

SALARY: \$350 - 8000+ per performance depending on venue, production, and performer notoriety.

PROSPECTS: Highly competitive. Expect to work on a part-time basis at first.

RELATED CAREERS: Studio teacher, public/private school teacher, university professor, clinician

POST-SECONDARY EDUCATION NEEDED: Not required but will usually have at minimum a Bachelor's of Music in Performance

Conductor

DESCRIPTION: Musician who rehearses, schedules, performs, and fund-raises with one or more performing ensembles. Conductors program music, supervise personnel, and work with educational programs.

EDUCATION: Ability to read music and perform on a primary instrument/voice. Possible experience as a drum major or student conductor.

SKILLS: Ability to work with people, dynamic personality on-stage, ability to effectively communicate musical ideas to performing ensemble/performers, leadership qualities, musical talent, diplomatic ability, decisive and expressive baton technique, knowledge of music history, literature, and orchestration. Arranger/composer skills a plus.

SALARY: \$15,000 - \$275, 000+ per year based on ensemble prestige and location as well as professional level.

PROSPECTS: Highly competitive. Education, self-marketing, and networking are recommended in this area.

RELATED CAREERS: Music librarian, clinician, Public relations, Fundraising,

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in Music as well as Master's Degree in conducting though this is not always required - dependent on specific job requirements.

Composer

DESCRIPTION: Musician who writes, directs, and possibly conducts original music for a variety of genres and ensembles. Some composers will specialize in music for educational groups i.e. beginning, intermediate, or advanced student ensembles. Music includes works for all media - bands, orchestras, choirs as well as small ensembles.

EDUCATION: Ability to read music and perform on a primary instrument. Keyboard study a plus.

SKILLS: Creative, musical talent, perseverance and initiative, business initiative, experience with one or more musical instruments or voice, knowledge of music theory, literature, history, orchestration. Should be familiar with computers, MIDI, and musical notation software

SALARY: Usually works on commission. Salary varies.

PROSPECTS: Self-employed. Expect to work on commission at first. Self-marketing and networking are important.

RELATED CAREERS: Music librarian, clinician, performer, public/private teacher, professor

POST-SECONDARY EDUCATION NEEDED: Not necessary but will usually have at least a Bachelor's degree in music with some emphasis on composition.

Jingle, TV, or Film Score Composer

DESCRIPTION: Composers who write original music specifically for commercials for radio and television, television shows, or film scores.

EDUCATION: Ability to read music and perform on a primary instrument. Keyboard study a plus.

SKILLS: Creative, musical talent, perseverance and initiative, business initiative, experience with one or more musical instruments or voice, knowledge of music theory, literature, history, orchestration, film and commercial music. Should be familiar with computers, MIDI, and musical notation software

SALARY: Jingle - \$300 - \$50,000 per commercial; TV Show - \$1000 - \$5,000 per 30 minute episode; Film Score - \$2,000 - \$200,000 per film

PROSPECTS: Self-employed. Expect to work on commission at first. Self-marketing and networking are important.

RELATED CAREERS: Music librarian, clinician, performer, public/private teacher, professor

POST-SECONDARY EDUCATION NEEDED: Not necessary but will usually have at least a Bachelor's degree in music with some emphasis on composition.

Arranger

DESCRIPTION: Composers who will arrange popular or classical works for specified ensembles or performance levels - making Beethoven's 5th Symphony accessible to middle or high school performers

EDUCATION: Ability to read music and perform on a primary instrument. Keyboard study a plus.

SKILLS: Creative, musical talent, perseverance and initiative, business initiative, experience with one or more musical instruments or voice, knowledge of music theory, literature, history, orchestration. Should be familiar with computers, MIDI, and musical notation software

SALARY: Usually works on commission. Salary varies based on nature of arrangement - media, character, etc.

PROSPECTS: Self-employed. Expect to work on commission at first. Self-marketing and networking are important.

RELATED CAREERS: Music librarian, clinician, performer, public/private teacher, professor

POST-SECONDARY EDUCATION NEEDED: Not necessary but will usually have at least a Bachelor's degree in music with some emphasis on composition.

Clinician

DESCRIPTION: Experienced musician, conductor, or teacher who will enter a musical situation to work with a group as a guest conductor or private teacher often to prepare students or ensembles for competitions, festivals or state or national performance such as All-State Band, Chorus, or Orchestra.

EDUCATION: Ability to read music and perform on a primary instrument. Keyboard study a plus.

SKILLS: Musical talent, ambition and perseverance. Drive to constantly improve and learn. Ability to work with other people. Skill in ensemble performance, sight-reading, transposition and possible improvisation. Music education skill.

SALARY: \$0 - \$1000 per day based on event, clinician skill/education

PROSPECTS: Ever increasing field of study. Currently more jobs available than graduates to fill them. However, competition is high for highly qualified applicants.

RELATED CAREERS: Public/private teacher, professor, studio teacher, conductor

POST-SECONDARY EDUCATION NEEDED: At minimum a Bachelor's Degree in Music Education or Performance though a Master's Degree is preferred.

Instrument Maker

DESCRIPTION: Design or engineer new and "improved" instruments. Usually, specialize in a specific media - brass, keyboard, percussion, strings, and woodwinds. The visual artists of the music world, their craft is often handed down and requires years of study and apprenticing.

EDUCATION: Visual Arts design classes as well as construction and woodworking

SKILLS: Ability to work with people and alone, commitment to music community, efficient work habits, physical and mental dexterity, self-discipline, business sense, familiarity with instruments, technical skill.

SALARY: \$15,000 - \$65,000 per year

PROSPECTS: Varies based on specialty. Growth in this field is expected to be very good over the next decade.

RELATED CAREERS: Clinician, musician, public/private teacher

POST-SECONDARY EDUCATION NEEDED: Not necessary but specialized training in instrument construction, design, and repair are required.

Instrument Repairman/Tuner

DESCRIPTION: One who understands the construction, working characteristics, and repair of a variety of musical instruments for the purpose of repairing damage from everyday use to the occasional "accident." Will sometimes specialize in a media but not always. Often a musician but not necessary for success in this profession.

EDUCATION: Classes in construction, intricate tool work, woodworking, metal working, and machine works or electronics

SKILLS: Ability to work with people and alone, commitment to music community, efficient work habits, physical and mental dexterity, self-discipline, business sense, familiarity with instruments, technical skill.

SALARY: Repair - \$9 - \$75+ per hour Tuner - \$15 - \$100 per hour

PROSPECTS: Varies based on specialty. Growth in this field is expected to be very good over the next decade.

RELATED CAREERS: Clinician, musician, public/private teacher

POST-SECONDARY EDUCATION NEEDED: Not necessary but specialized training in instrument construction and repair are required.

Disc Jockeys (DJs) - Radio and Clubs

DESCRIPTION: Music announcers usually for radio or clubs though some will also work dances, restaurants, and weddings. Will sometimes specialize in one kind of music. Most radio DJs select their own music/playlist but must follow a schedule of commercials, talk, and music.

EDUCATION: School radio station if one is available.

SKILLS: Specialized skill in one or more of the radio/television industries. Ability to work under tight deadlines and intense pressure, ability to work with people, interest in music and media, musical talent.

SALARY: Salary varies based on the wage and salary scale of each industry.

PROSPECTS: Highly competitive. More jobseekers than there are jobs. Automated stations becoming more popular with owners.

RELATED CAREERS: Public Relations, Marketing, DJ for private events - i.e. weddings, anniversaries, receptions.

POST-SECONDARY EDUCATION NEEDED: Not necessary though recommended along with long-term internship or apprentice work.

Music Therapist

DESCRIPTION: Use music in therapy for human disabilities. Music therapists will most likely be found in settings to help professions such as physicians, clinical psychologists, social workers, and rehabilitation specialists.

EDUCATION: Ability to read music. Some performance skill in voice or instrument.

SKILLS: Knowledge of one or more musical instruments, knowledge of behavioral and physical sciences, skill in adapting music for people with special needs, skilled and versatile musician, emotional stability, human understanding, compassion, and insight, physical stamina

SALARY: \$16,000 - \$80,000 per year based on education and experience.

PROSPECTS: Ever increasing field of study. Currently more jobs available than graduates to fill them. However, competition is high for highly qualified applicants.

RELATED CAREERS: Music Psychology, Public/private teaching, social worker, school counselor

POST-SECONDARY EDUCATION NEEDED: At minimum a Bachelor's Degree in Music Therapy including a six-month internship.

Music Industry

DESCRIPTION: A broad area which can include retail, wholesale, manufacturing, import/export, publishing, recording, repair and rebuilding, and tuning. There are several different levels of advancement available in this field from clerical to management or administration.

EDUCATION: Business classes, student government, experience in one or more of the related music industries

SKILLS: Ability to work with people, commitment to music community, interest in music and business, business initiative, skill in computers, specialized skill and knowledge in one or more of the music industries

SALARY: \$13,000 - \$120,000 depending on industry specialization and education/experience

PROSPECTS: Job availability depends on area of expertise or interest. Upper level jobs highly competitive - education can sometimes be key.

RELATED CAREERS: Musician, public/private teacher, management, sales, repairman/tuner

POST-SECONDARY EDUCATION NEEDED: College degree not always required but is recommended especially in music and business. Technical careers usually require 2-3 year apprenticeships.

Music Librarian

DESCRIPTION: Trained music specialist with knowledge of library and research skills and techniques. The music librarian is expected to research, organize, catalogue, and select literature for purchase for an institution (i.e. college or university) or ensemble (i.e. symphony) as well as work with publishers on editions and location of hard to acquire works.

EDUCATION: work as high school band, chorus, or orchestra librarian

SKILLS: Ability to work with people, interest in books, music, recordings, and research, knowledge of copyright and performance rights/law, complete knowledge of music and musicology, working knowledge of German and French a plus

SALARY: \$18,000 - \$80,000 per year

PROSPECTS: Highly competitive. The more education you have the better for this field. Limited positions available.

RELATED CAREERS: Musician, public/private teacher, management, conductor, music industry, composer

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in Music Performance, Music History, or Music Theory. At least one year of graduate study preferred.

Music Publisher

DESCRIPTION: This occupation involves choosing materials for publication; editing and proofing music manuscripts; nurturing composers and promoting serious performance.

EDUCATION: Ability to read music. Some performance skill in voice or instrument.

SKILLS: Appreciation for music as a commercial product, well-developed musical preferences, interest in music publishing business, business initiative, knowledge of composition/arranging process, knowledge of copyright laws and licensing, knowledge of music theory, notation, style, and form.

SALARY: \$15,000 - \$75,000 per year

PROSPECTS: Highly competitive. Education and networking are recommended in this area.

RELATED CAREERS: Musician, public/private teacher, management, conductor, music industry, composer

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in music with an emphasis in performance, theory, or history. Apprenticeship in publishing or editing is a plus.

Music Communications

DESCRIPTION: Includes publishers and editors of music books, journals, and periodicals; music reporters; and public relations specialists

EDUCATION: Writing for school newspaper

SKILLS: Ability to interact positively with the public, interest in music and writing, desire for continuous music study, excellent grammar and writing skills, knowledge of music theory, history, and literature.

SALARY: \$20,000 - \$150,000 per year

PROSPECTS: Job availability depends on area of expertise or interest as well as publications you want to write for and their location.

RELATED CAREERS: Musician, public/private teacher, journalism, public relations, business

POST-SECONDARY EDUCATION NEEDED: College degree in one or more of the following areas: Journalism, Public Relations, or Business

Music/Audio Technician

DESCRIPTION: Sound mixers, editors, and recording engineers. This occupation caters to the person who loves to edit movie or tv music, mix sound or tracks in recording studios or act as sound engineers for live and/or recorded performances.

EDUCATION: high school drama or musical theatre technician or recorder for school performances

SKILLS: Adaptable, interest in music and business, familiarity with a wide variety of genres of music from classical to jazz to pop. Knowledge of music theory, composition, and arranging as well as instrument capabilities

SALARY: Salary varies based on the wage and salary scale of each industry.

PROSPECTS: Highly competitive. Education and networking are recommended in this area.

RELATED CAREERS: Musician, public/private teacher, management, sales, music industry, computer services

POST-SECONDARY EDUCATION NEEDED: Degrees in music and computer science

Producer

DESCRIPTION: Produce and distribute artists' performances or recordings for consumer purchase. Work with artists and agents/managers on promotion of albums, specific songs, or tours/performances.

EDUCATION: Ability to read music. Some performance skill in voice or instrument.

SKILLS: Adaptable, interest in music and business, familiarity with a wide variety of genres of music from classical to jazz to pop. Knowledge of music theory, composition, and arranging as well as instrument capabilities

SALARY: Salary varies based on the wage and salary scale of each industry.

PROSPECTS: Highly competitive. Education and networking are recommended in this area.

RELATED CAREERS: Musician, public/private teacher, management, sales, music industry, computer services, composition

POST-SECONDARY EDUCATION NEEDED: College degrees not always required but recommended. Equivalent training is necessary - especially in production related fields.

Music Psychology

DESCRIPTION: One who works with performance artists on such things as stagefright, performance nerves, memory blocks, or coping with the loss of a sense or physical/mental handicap that may prevent same performer from using their talent.

EDUCATION: Ability to read music. Some performance skill in voice or instrument. Experience working with student/teen helplines or support groups in high school if available.

SKILLS: Knowledge of one or more musical instruments, knowledge of behavioral and physical sciences, skill in adapting music for people with special needs, skilled and versatile musician, emotional stability, human understanding, compassion, and insight, physical stamina

SALARY: \$20,000 - \$80,000 per year based on specialized area and education

PROSPECTS: Ever increasing field of study. Currently more jobs available than graduates to fill them. However, competition is high for highly qualified applicants.

RELATED CAREERS: Music Psychology, Public/private teaching, social worker, school counselor

POST-SECONDARY EDUCATION NEEDED: Degrees in music performance, education, or therapy as well as psychology degree

Music Critic

DESCRIPTION: A combination journalist/musician who view various productions or performances for the purpose of informing a potential audience as to whether or not they want to invest time and money on viewing a performance. Can often determine the success of a production or performance based on personal opinion.

EDUCATION: Writing for school newspaper

SKILLS: Ability to interact positively with the public, interest in music and writing, desire for continuous music study, excellent grammar and writing skills, knowledge of music theory, history, and literature.

SALARY: \$20,000 - \$150,000 per year

PROSPECTS: Job availability depends on area of expertise or interest as well as publications you want to write for and their location.

RELATED CAREERS: Musician, public/private teacher, journalism, public relations, business

POST-SECONDARY EDUCATION NEEDED: Degree in music recommended though not required. Journalism degree sometimes necessary for published critics.

Virtual Reality Sound (Games, Internet, Programs)

DESCRIPTION: Composers or sound producers/editors for software, internet programs and websites as well as computer and video games.

EDUCATION: Computer classes in programming or design.

SKILLS: Ability to work with people, commitment to music community, interest in music and business, business initiative, skill in computers, specialized skill and knowledge in one or more of the music industries. Should also have skill in music composition.

SALARY: \$13,000 - \$120,000 depending on industry specialization and education/experience

PROSPECTS: Highly competitive especially with the increasing number of computer systems. Education and networking are recommended in this area.

RELATED CAREERS: Musician, computer science, composition, music industry

POST-SECONDARY EDUCATION NEEDED: Music Degree not necessary but recommended with an emphasis in composition. Computer science degree also recommended.

Theatre

Performance/Studio: <ul style="list-style-type: none">• Actor• Voice-over Actor• Spokesperson• Playwright/screenwriter/copy writer	Education: <ul style="list-style-type: none">• Dialect Coach• Teacher/Coaching• Artistic Director
Technology: <ul style="list-style-type: none">• Costume Designer• Fight Choreographer• Set Designer• Sound Designer• Lighting Designer• Make-up/Hair Designer• Prop Design and Construction• Stage Hand	Business: <ul style="list-style-type: none">• Critic• Stage Manager• House Manager• Development/Fundraiser• Advertising/Marketing• Business Manager• Artist Management/Agency• Producer• Literary Manager

Theatre-related Careers

Actor

DESCRIPTION: portrays characters in tv, film, or onstage

EDUCATION: volunteer in local productions

SKILLS: imagination, movement, speaking,

SALARY: 26,460/yr

PROSPECTS: competitive- NY, LA, Chicago best markets

RELATED CAREERS: sales, waiter, singer

POST-SECONDARY EDUCATION NEEDED: BA in theatre arts encouraged, not required

Voice-over Actor

DESCRIPTION: acts with their voice- tv commercials, books on tape, radio commercials

EDUCATION: same

SKILLS: creativity, speaking

SALARY: 500-720/wk

PROSPECTS: see above

RELATED CAREERS: newscaster, radio announcer

POST-SECONDARY EDUCATION NEEDED: same

Dialect Coach

DESCRIPTION: assists actors in mastering different regional and national dialects necessary for performing a specific role

EDUCATION: practice accents

SKILLS: clear diction, good "ear", patience

SALARY: 60,000/yr

PROSPECTS: see above

RELATED CAREERS: actor, voice over artist, teacher

POST-SECONDARY EDUCATION NEEDED: BA/MFA in theatre/speech

Spokesperson

DESCRIPTION: serves as the official "face" of a company or agency, representing them in the media, sharing their message

EDUCATION: public speaking, theatre classes In HS

SKILLS: public speaking, clear diction, pleasant demeanor

SALARY: 24.92/hr median

PROSPECTS: competitive in larger markets

RELATED CAREERS: PR representative, model, actor, newscaster

POST-SECONDARY EDUCATION NEEDED: BA in theatre, broadcast journalism

Fight Choreographer

DESCRIPTION: stages specialty physical action scenes for the stage. Creates the illusion of violence on stage

EDUCATION: take anatomy classes in HS, dance classes

SKILLS: focus, agility, choreography, attention to detail, awareness of environment

SALARY: 31,030/yr

RELATED CAREERS: dancer, actor, director, athlete

POST-SECONDARY EDUCATION NEEDED: not req.

Playwright/Screenwriter/Copywriter

DESCRIPTION: writes plays to be performed on the stage/ scripts to be turned into films/copy for tv and radio commercials

EDUCATION: read as many scripts as possible, watch movies and plays, listen for dialogue

SKILLS: imagination, writing, grammar, attention to detail, awareness of environment

SALARY: varies- could be flat, one-time fee or could earn income from royalties/rights

RELATED CAREERS: writer, advertising

POST-SECONDARY EDUCATION NEEDED: BA or MFA in playwriting

Critic

DESCRIPTION: evaluates and writes about theatrical performances or films and tv

EDUCATION: work on school paper

SKILLS: discerning eye, fairness, writing skills

SALARY: 25k-75k, depending on market size and publication circulation

RELATED CAREERS: journalist, actor, historian

POST-SECONDARY EDUCATION NEEDED: Assc or BA in mass communication, theatre

Costume Designer

DESCRIPTION: designs clothes worn by actors in plays, tv, or film

EDUCATION: fashion design, theatre classes

SKILLS: creativity, history, math, sewing, drawing

SALARY: 29,200/yr median

RELATED CAREERS: artist, fashion designer, puppeteer

POST-SECONDARY EDUCATION NEEDED: BA or MFA in fashion/theatre design

Set Designer

DESCRIPTION: designs sets and scenery for plays, movies and televisions

EDUCATION: help with school play sets

SKILLS: creativity, math, use of power tools, drawing, history

SALARY: 45,620/yr

RELATED CAREERS: architect, artist, home builder

POST-SECONDARY EDUCATION NEEDED: BA in theatre/design

Sound Designer

DESCRIPTION: selects and designs sound effects and music for theatrical or filmed productions

EDUCATION: music courses in HS

SKILLS: music, technology, creativity

SALARY: 31,310/yr

RELATED CAREERS: DJ, musician, director

POST-SECONDARY EDUCATION NEEDED: BA in theatre, music

Lighting Designer

DESCRIPTION: analyzes scripts and determines/designs lighting for performances (live and filmed), architectural design, and public spaces

EDUCATION: vol on school productions

SKILLS: math, visual arts, awareness of technology

SALARY: 48,890

RELATED CAREERS: visual artist, director, architectural lighting designer

POST-SECONDARY EDUCATION NEEDED: BA in theatre lighting design

Make-Up/Hair Designer

DESCRIPTION: analyzes scripts and researches historical data to determine and design appropriate hair and makeup needs for specific live and filmed productions

EDUCATION: volunteer in local productions

SKILLS: creativity, history, cosmetology, fashion

SALARY: 39k-65k

RELATED CAREERS: cosmetologist

POST-SECONDARY EDUCATION NEEDED: n/a

Prop Design And Construction

DESCRIPTION: analyzes scripts and researches historical data to design and build properties for live and filmed entertainment

EDUCATION: volunteer in local productions

SKILLS: creativity, history, math, sewing, drawing

SALARY: 28,610/yr

RELATED CAREERS: craftsman, construction worker, painter

POST-SECONDARY EDUCATION NEEDED: not req, but BA in theatre/design is helpful

Stage Hand

DESCRIPTION: works on live and filmed productions, building, moving, and maintaining sets.

EDUCATION: volunteer in local productions

SKILLS: knowledge of safety, equipment, power tools, organizational skills, teamwork

SALARY: 116,000/yr- union Broadway

RELATED CAREERS: construction worker, grip (film), production assistant (film)

POST-SECONDARY EDUCATION NEEDED: BA in theatre or film/media arts helpful

Board Operators

DESCRIPTION: responsible for the operation of light and sound boards on live and filmed productions.

EDUCATION: volunteer in local productions

SKILLS: attention to detail, familiarity w/ equipment, ability to follow instructions, quick reflexes

SALARY: dep. On experience. Avg \$75/show/evening.

POST-SECONDARY EDUCATION NEEDED: BA in technical theatre

Dramaturg

DESCRIPTION: researches plays in preparation for rehearsal, including history of the play, playwright, and social context in which it was written

EDUCATION: read plays, develop research techniques, study history

SKILLS: history, writing, research

SALARY: varies, could be paid per show or on staff at a theatre

RELATED CAREERS: historian, writer

POST-SECONDARY EDUCATION NEEDED: BA in theatre, MFA or PhD in Theatre History

Historian

DESCRIPTION: researches history of the theatre, including world drama, writers, companies, performers, etc...

EDUCATION: same

SKILLS: see above

SALARY: 42k/yr

RELATED CAREERS: writer, dramaturg

POST-SECONDARY EDUCATION NEEDED: same

Stage Manager

DESCRIPTION: responsible for rehearsal schedules, scripts, props, and actors during a play's rehearsal process. In charge of everything backstage or onstage once show opens. Director's right hand man. Or woman.

EDUCATION: volunteer for school shows, work on time management

SKILLS: organizational skills, teamwork, leadership, attention to detail

SALARY: 544/wk

RELATED CAREERS: personnel director, director, manager

POST-SECONDARY EDUCATION NEEDED: BA in theatre or arts management

Box Office Manager

DESCRIPTION: responsible for organizing and tracking ticket sales for a venue or production.

EDUCATION: volunteer to sell tickets for school shows

SKILLS: math, organizational skills, leadership, conflict resolution

SALARY: 32k-60k/yr

RELATED CAREERS: ticket seller, store manager, accountant

POST-SECONDARY EDUCATION NEEDED: BA in Accounting, Theatre management

House Manager

DESCRIPTION: responsible for everything that happens in front of house- ushers, concessions, audience needs/safety

EDUCATION: usher for HS production

SKILLS: interpersonal skills, leadership, organization, conflict resolution

SALARY: 22k-37k/yr

RELATED CAREERS: customer service rep, facilities manager, volunteer coordinator

POST-SECONDARY EDUCATION NEEDED: BA in liberal arts helpful

Development/Fundraiser

DESCRIPTION: cultivates a base of donors for a specific arts organization, responsible for creating fund raising activities

EDUCATION: volunteer to do telephone solicitation, join fundraiser job at school

SKILLS: sales, interpersonal skills, grant writing, organization, creativity

SALARY: 56,000/yr

RELATED CAREERS: business manager, grant writer

POST-SECONDARY EDUCATION NEEDED: BA in arts mgmt, business or liberal arts

Advertising/Marketing

DESCRIPTION: promotes theatre company's shows via multiple forms of advertising- posters, commercials, brochures, etc

EDUCATION: learn basic design programs, work on school paper

SKILLS: creativity, graphic design, sales

SALARY: 44k/yr

POST-SECONDARY EDUCATION NEEDED: BA in advertising or marketing, graphic design

Business Manager

DESCRIPTION: oversees the financial operations of a theatre; responsible for creating and following the theatre's budget.

EDUCATION:

SKILLS: math, organizational skills, budgeting, planning

SALARY: 51,000/yr

RELATED CAREERS: development manager,

POST-SECONDARY EDUCATION NEEDED: BA in Theatre management, BS in business, MBA

Artist Management/Agency

DESCRIPTION: finds jobs for actors and performers, and makes money by taking a percentage of what the actor makes. Advises actors with career decisions.

EDUCATION: internship with talent agency

SKILLS: interpersonal skills, organization, awareness of industry, tenacity

SALARY: 24k-41k median

POST-SECONDARY EDUCATION NEEDED: BA in Arts management, some often work their way up w/o degree

Teacher/Coaching

DESCRIPTION: Assists actors with understanding and performing roles. Guides actors through the creative process, including characterization and scene work.

EDUCATION: teacher cadet programs in HS, hone artistic skills

SKILLS: patience, acting, creativity, awareness of industry

SALARY: 49,000 median

POST-SECONDARY EDUCATION NEEDED: BA or master's in theatre or education

Producer

DESCRIPTION: responsible for overseeing all aspects of mounting a theatrical production, including hiring creative teams, and securing funding.

EDUCATION:

SKILLS: fundraising skills, interpersonal skills, knowledge of industry, organizational skills, math, budgeting

SALARY: 56-420-72,210

POST-SECONDARY EDUCATION NEEDED: Degrees in business or liberal arts

Artistic Director

DESCRIPTION: individual with ultimate artistic control of a theatre's production choices, directorial choices, and overall artistic vision

EDUCATION: theatre classes, practice fundraising

SKILLS: directing, acting, awareness of theatrical literature, leadership, team building

SALARY: mid-20's entry level, small house

POST-SECONDARY EDUCATION NEEDED: BA in theatre, non-profit mgmt

Literary Manager

DESCRIPTION: in charge of reviewing scripts for possible production at a theatre.

EDUCATION: read plays, develop research techniques, study history

SKILLS: awareness of theatrical literature, history

SALARY: varies, could be paid per show or on staff at a theatre

POST-SECONDARY EDUCATION NEEDED: BA in Theatre or Literature

Visual Arts

Performance/Studio: <ul style="list-style-type: none">• Exhibiting Artist• Performance Artist• Visiting Artists, Artist in Residence, Artist in the Schools• Art Critic/Writer• Foundry Worker/Welder• Professional Craftsman-ceramics, glass, printmaking, furniture making, metals	Education: <ul style="list-style-type: none">• Art Education- K-12, post secondary, workshops, continuing education• Art Therapy• Art Historian• Art Criticism• Museum Exhibit Designer• Museum Curator
Technology: <ul style="list-style-type: none">• Web Design• Film and Video-Directing, Cinematographer, Editing (film, music, sound, and FX), Art directing, Visual Effects• Scientific Visualization• Technical Director• Architecture• Landscape Architecture• Industrial Design• Scientific Illustration• Soft-ware Design• Bio-Medical Photography• Interior Design• Packaging Design	Business: <ul style="list-style-type: none">• Art Director• Communications Director• Appraiser• Project Manager• Gallery Director• Marketing Analyst• Artist Representative/Agent• Copyright and Business Lawyer• Film Production Manager• Business Owner-web-based, photographic studio, gallery, publishing• Accounting/Grant Writing

Visual Arts-related Careers

Graphic Design

DESCRIPTION: The field of graphic design has expanded greatly. At one time its function was primarily advertising design for publication of both print media and multi-media. Now graphic designers are working closely with research and development personnel and are often called upon to be project managers.

SKILLS: Visual problem solving, people, organization, drawing, computer, photography, and typography skills.

SALARY: \$30,600 to \$53,310

PROSPECTS: Very competitive and growing field

RELATED CAREERS: Industrial designers, interior designers, art directors, web designers, computer software designers, desktop publishers, marketing-advertising and public relations specialists

POST-SECONDARY EDUCATION NEEDED: Bachelor of Fine Arts and an increasing interest in designers with Master of Fine Arts degrees

Interactive communication

DESCRIPTION: Currently this field is primarily concerned with web design. It will undoubtedly grow and diversify, into a variety of interfaces between humans and artificial intelligence.

SKILLS: People and communication skills. Ability to master computer software quickly.

SALARY: \$38,980 to \$70,050

PROSPECTS: Competitive and growing

RELATED CAREERS: Computer animation, digital video, computer software design, desktop publishing, advertising, public relations

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts or Bachelor of Fine Arts

Industrial Designer

DESCRIPTION: Everything made by humans was designed by someone. Industrial design can range from household appliances, automobiles, furniture and more.

SKILLS: Design skills, computer aided design skills, knowledge of materials and processes

SALARY: \$41,270 to 72,610

PROSPECTS: Competitive and growing

RELATED CAREERS: Artists, interior designers, graphic designers, architects, drafters, and engineers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts and for greater competitiveness a master's degree

Interior Designer

DESCRIPTION: Interior designers plan the interior spaces of just about every type of building including: commercial, residential, and specialized spaces (schools, hospitals, airports).

SKILLS: A wide range of design skills, computer skills, and people skills

SALARY: \$31,830 to \$57,230

PROSPECTS: Competitive and growing

RELATED CAREERS: Industrial designers, architects, landscape architects, and fashion designers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts, various certifications and licenses are available, as well as apprenticeships

Architect

DESCRIPTION: Architects design every type of building: residential, commercial, skyscrapers, and specialized buildings (schools, hospitals, airports) etc.

SKILLS: Strong design and mathematics skills

SALARY: \$49,780 to \$83,450

PROSPECTS: Competitive

RELATED CAREERS: Industrial designers, landscape architects, urban planners

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree, master's degree, license

Landscape Architect

DESCRIPTION: Landscape architects design the green spaces in residential areas, playgrounds, golf courses, college campuses, and roadways. They plan these areas for their, beauty, functional use, and compatibility with the natural environment.

SKILLS: Design, drawing, model making, and computer skills are important, as well as communication and organizational skills. Interest in the environmental sciences.

SALARY: \$42,720 to \$73,240

PROSPECTS: Better than average job growth, good job opportunities

RELATED CAREERS: Architects, surveyors, cartographers, civil engineers, conservation scientists, foresters, biological scientists, environmental scientists, urban planners, and hydrologists.

POST-SECONDARY EDUCATION NEEDED: A Bachelor Degree in Landscape Architecture (BLA) or a Bachelor of Science in Landscape Architecture (BSLA) and a 2 or 3 year Master of Landscape Architecture (MLA)

Fashion Designer

DESCRIPTION: Fashion designers design clothing and accessories to be worn. There are a number of specialties, for instance, high fashion (haute couture), costume design for the performing arts, motion pictures, and television, etc.

SKILLS: Strong design skills, Computer-aided design (CAD) skills, pattern-making, sewing

SALARY: \$42,140 to \$87,510

PROSPECTS: Competitive with slower than average job growth

RELATED CAREERS: Jewelers and precious stone and metal workers, industrial designers, interior designers, models, photographers, buyers, textile and apparel sales, furnishings occupations.

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts or Bachelor of Fine Arts

Illustration

DESCRIPTION: Illustrators use a variety of art materials to make images for advertising, bio-medical texts, books, magazines, graphic novels, and storyboards for films.

SKILLS: Very strong drawing skills, with expertise in various media.

SALARY: \$28,500 to \$58,550

PROSPECTS: Growth, Competitive

RELATED CAREERS: Graphic designers, industrial designers, architects, fashion designers, publishing, web designers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts or Bachelor of Fine Arts

Animation

DESCRIPTION: The field of digital animation has a number of specialties which include, concept and story development, layout, technical director, and storyboard artist, to name a few.

SKILLS: Strong drawing skills, comfortable with computers

SALARY: \$38,980 to \$70,050

PROSPECTS: Growth, Competitive

RELATED CAREERS: Graphic designers, industrial designers, architects, fashion designers, publishing, web designers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts or Bachelor of Fine Arts

Game Design

DESCRIPTION: Game designers usually work in teams researching, planning developing scenes and actions to create an interactive entertainment. The ability to work on long-term projects, and master the latest technologies is very important.

SKILLS: Strong drawing skills, and an understanding of 3-Dimensional space, comfortable with a variety of software programs computers

SALARY: \$38,980 to \$70,050

PROSPECTS: Growth, Very competitive

RELATED CAREERS: Graphic designers, industrial designers, architects, fashion designers, publishing, web designers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts

Exhibiting Artist

DESCRIPTION: Fine artists and craft artists produce work primarily to communicate their own ideas and thoughts. They may use a variety of materials, including but not limited to, paints, clay, metals, wood, fibers, papers, inks and film, to produce both 2-dimensional and 3-dimensional works of art. The works are then often exhibited in commercial galleries, art museums, and corporate collections. Works may also be commissioned (done on request from clients).

SKILLS: Drawing from observation, specific skill areas of interest to the individual, such as: printmaking, sculpture, ceramics, metal-smithing, weaving, painting, and photography.

SALARY: \$28,500 to \$58,550 (fine arts) \$18,860 to \$35,840 (craft artist)

PROSPECTS: Highly competitive

RELATED CAREERS: museum curators, art conservators, jewelers and metal workers, photographers, landscape architects, industrial designers, fashion designers, art critic, art historian, art educator

POST-SECONDARY EDUCATION NEEDED: Bachelor of Fine Arts and Master of Fine Arts

Art Educator

DESCRIPTION: Educators are facilitators and instructors assisting students to learn, apply concepts, and develop skills. Art education spans pre-school to doctoral studies, thus the needs of the students vary greatly. Pre-K to secondary teachers play an important role in forming the intellectual, as well as, social growth of their students. Post-secondary teachers are charged with instructing students in specialized academic as well as vocational subjects.

SKILLS: Besides drawing and design skills, all teachers need strong communication skills. Pre-K to Secondary teachers may wish to be generalists with strong foundations in a wide variety of art areas. Post Secondary teachers in the arts are usually specialists in a particular medium.

SALARY: Pre-K to Secondary: \$43,580 to \$48,690

Post-Secondary: \$39,610 to \$80,390

PROSPECTS: Good in general. Post-Secondary full time-tenure track positions very competitive.

RELATED CAREERS: Librarians, administrators, public relations specialists, counselors, writers and editors, art therapists

POST-SECONDARY EDUCATION NEEDED: Pre-K to Secondary: Bachelor of Art Education, Bachelor of Arts, or Bachelor of Fine Arts with teaching certification.

Art Conservator

DESCRIPTION: Conservators preserve, repair, and treat works of art, artifacts and specimens so they may be studied and enjoyed by future generations. This is a field that encompasses the fields of history and science with the manual dexterity of the artist. Conservators usually specialize in a particular material, works on paper, paintings, decorative arts, textiles, metals, etc.

SKILLS: A strong foundation in the studio arts (drawing, painting, sculpture, etc.) Attention to detail. A background in chemistry and art history.

SALARY: \$26,360 to \$46,120

PROSPECTS: Stiff competition

RELATED CAREERS: Archivists, curators, museum technicians, librarians, art historians,

POST-SECONDARY EDUCATION NEEDED: Bachelor's Degree in the studio arts, art history, chemistry or art conservation, Master's Degree in art conservation

Art Historian/ Art Critic/ Curator

DESCRIPTION: The study of art history can lead to various career paths, teaching in both secondary and post secondary schools, art critic, writer, and museum or gallery curator. Art Historians usually specialize in a particular time or type of art work. Curators administer museums and galleries selecting works to be exhibited and/or purchased. They develop research projects and educational programs.

SKILLS: Written and verbal communication skills. Interest in history and world cultures.

SALARY: \$34,410 to \$61,740 (curator) \$34,850 to 67,820 (writer/critic)

PROSPECTS: Growth in the field, keen competition

RELATED CAREERS: Museum and gallery managers, art appraisers, museum technicians, archivists, graphic designers, historians, librarians, educators

POST-SECONDARY EDUCATION NEEDED: Bachelor's Degree, Master's Degree in Art History, Doctorate in Art History (museum curators and post-secondary educators)

Arts Management

DESCRIPTION: There are a variety of careers for those who have strong business skills and an interest in art. Artists, architects, designers, profit and non-profit galleries, film and theatre companies, and collectors all can use the services of arts management professionals. Arts management careers include accounting, inventory control, logistics, representation, and public relations.

SKILLS: Written and verbal communication skills. Interest in art. Strong foundation in business skills and organization.

SALARY: \$33,831 to \$40,161 median starting salaries

PROSPECTS: Growth in the field, keen competition

RELATED CAREERS: Gallery owners, artists agents, copyright lawyers, accountants, marketing and public relations specialists.

POST-SECONDARY EDUCATION NEEDED: Bachelor's Degree and Master's Degree in business and art

Art Therapist

DESCRIPTION: Art therapists use a variety of art techniques to engage individuals in activities that will help them with certain physical and emotional problems. It is a blending of creative expression, encouragement of self-awareness, and psychotherapy.

SKILLS: Serious interest in working with people. Strong Foundation skills in the Arts and classes in psychology and biology.

SALARY: \$26,780 to \$44,850

PROSPECTS: slow job growth, competitive

RELATED CAREERS: occupational therapists, physical therapists, rehabilitation counselors, teachers-special education

POST-SECONDARY EDUCATION NEEDED: Bachelor of Fine Arts or Bachelor of Arts, and Master's in Art Therapy

Photojournalist

DESCRIPTION: Photojournalists blend the art of photography with that of the written word. A solid foundation in art and design and strong technical skills using a wide variety of photographic equipment is a must. Photojournalists are asked increasingly to both photograph and report stories, so writing skills are more necessary than ever. Attention to accuracy in reporting and making deadlines are crucial.

SKILLS: Design, computer, and photography skills, written and verbal communication skills, interest in people and the community. Problem solving skills.

SALARY: \$18,680 to \$38,730

PROSPECTS: Average growth, Competitive

RELATED CAREERS: Television, video, motion picture camera operators, picture editors, reporters, editors, news analysts, prepress technicians, desktop publishers

POST-SECONDARY EDUCATION NEEDED: Bachelor of Fine Arts, Bachelor of Arts

Commercial Photographer

DESCRIPTION: There are many specialty areas in photography: product, industrial, architectural, fashion, bio-medical, food, public relations, portraits, and weddings to name a few. In all of these specialties, the photographer must have a strong compositional vision, technical expertise, and problem solving abilities.

SKILLS: Design, photography, and computer skills. People skills, problem solving, and business skills.

SALARY: \$18,680 to 38,730

PROSPECTS: Average Growth, Competitive

RELATED CAREERS: Architects, industrial designers, fashion designers, photographic process operators, public relations specialists, art directors, graphic designers, picture editors

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts or Bachelor of Fine Arts

Television, Video, Motion Picture Camera Operator

DESCRIPTION: Camera operators shoot a wide variety of material, from the local news, to feature length films. They can work for large corporations or be self-employed. Strong compositional skills along with a steady hand, and technical expertise is required. Keeping up with the most advanced computer skills in the field is required.

SKILLS: Compositional and technical skills, up to date computer skills, Good communication skills

SALARY: \$26,930 to \$59,440

PROSPECTS: Very competitive

RELATED CAREERS: Broadcast and sound engineering technicians, graphic designers, reporters, editors, art directors

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts

Film Artists

DESCRIPTION: Director, Cinematographer, and Art Director are three of the most important jobs in the production of a film. The director is the leader of the film team and is responsible for the technical and artistic aspects of the film. The cinematographer seeks out appropriate locations and directs the camera operators as to camera angles, lighting and exposure. The art director is responsible for the look of the film and co-ordinates with the costume designer, cinematographer, director, and set designer. All of these jobs require creative thinking, patience, and perseverance.

SKILLS: Study film history and stay current with contemporary film, good people skills, do research on projects

SALARY: Median hourly earnings, May 2006 \$34.01 (directors)

PROSPECTS: Very Competitive

RELATED CAREERS: Set Designers, fashion designers, costume designers, film editors, camera operators, special-effects designers,

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts Degree or Bachelor of Fine Arts Degree

Set Designers / Scenic Designers

DESCRIPTION: Set design is the term used in film making and scenic design refers to theater productions. Set and scenic designers read the scripts and consult with the directors. They then work up drawings of sets, scenic backgrounds, floor plans, and models. These designers are a combination of artist, carpenter, electrician, metal worker, and painter. The work done by these designers is what gives a play or film their look.

SKILLS: Strong drawing and design skills, a serious interest in either film and/or theater, organizational and people skills, carpentry, metal working, electrical, model making

SALARY: Median weekly wage \$593 May 2006

PROSPECTS: Very competitive

RELATED CAREERS: Lighting designer, costume design, set painting, actor, director

POST-SECONDARY EDUCATION NEEDED: Bachelor of Arts

Broadcast and Sound Engineering Technicians

DESCRIPTION: Broadcast technicians, audio and video sound technicians, and sound engineering technicians set up, operate and maintain a wide range of electronic equipment. The equipment may be used to broadcast television, record music or record the sound track for a film. The transition to digital recording, editing and broadcasting has changed the equipment used and has made it very important that people in this field have expertise in computer networking and software skills.

SKILLS: Comfortable with computers and electronics equipment, manual dexterity

SALARY: \$26,090 to \$46,320 (video equipment technician) \$20,880 to \$45,310 (broadcast technicians) \$29,270 to \$65,590 (sound engineering technicians)

PROSPECTS: Faster than average growth, keen competition (especially in large cities)

RELATED CAREERS: Engineering technicians, science technicians, computer support specialists, systems administrators, communications equipment operators

POST-SECONDARY EDUCATION NEEDED: Bachelor's degree in Broadcast technology, electronics, or computer networking

Career Cluster Connections

Dance Careers Cluster Connections

	Dance Teacher in Public & Higher Education	Professional Dancer	Choreographer	Dance Therapist	Private Dance Studio Owner	Dance Writer/Editor/Critic	Director/Operations Manager for Dance Company	Financial Manager of Dance Company	Public Relations Director for Dance Company	Agent for Professional Dancers
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction										
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration					X		X	X	X	X
5. Education & Training	X		X	X						
6. Finance					X		X	X		
7. Government & Public Administration							X			
8. Health Science		X		X						
9. Hospitality & Tourism		X			X	X	X		X	X
10. Human Services				X			X			X
11. Information Technology							X		X	
12. Law, Public Safety, Corrections & Security				X	X		X	X	X	X
13. Manufacturing										
14. Marketing, Sales & Service					X	X	X	X	X	X
15. Science, Technology, Engineering & Mathematics										
16. Transportation, Distribution & Logistics										

Dance continued

	Artistic Director for Dance Company	Executive Director for Dance Company	Fitness/Recreational Instructor	Fitness/Recreational Director	Costume Designer	Set Designer	Make-up Artist	Cruise Ship Entertainer	Cruise Ship Director	Stage Manager
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction						X				
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration			X		X				X	X
5. Education & Training	X		X							X
6. Finance		X		X					X	
7. Government & Public Administration		X		X					X	
8. Health Science			X	X			X			
9. Hospitality & Tourism	X				X		X	X	X	
10. Human Services										
11. Information Technology									X	
12. Law, Public Safety, Corrections & Security			X	X					X	
13. Manufacturing										
14. Marketing, Sales & Service		X		X					X	
15. Science, Technology, Engineering & Mathematics			X							
16. Transportation, Distribution & Logistics		X		X					X	

Dance continued

	Entertainer for Theme Parks	Entertainment Director for Theme Parks	Internet/Website /Graphic Designer for Dance Company/Studio	Dance Industry Sales and Retail	Postsecondary Professor of Dance	Publisher	Sound Engineer	Lighting Engineer/ Designer	Receptionists and Clerks for Dance Organization	Advocacy, Grant making and Civic Organizations
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction										
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration		X	X	X		X			X	X
5. Education & Training					X					
6. Finance		X		X		X				X
7. Government & Public Administration										X
8. Health Science										
9. Hospitality & Tourism	X	X								
10. Human Services										
11. Information Technology			X			X				
12. Law, Public Safety, Corrections & Security										X
13. Manufacturing				X						
14. Marketing, Sales & Service		X	X	X		X				X
15. Science, Technology, Engineering & Mathematics							X	X		
16. Transportation, Distribution & Logistics						X				

Media Arts: Animation Cluster

Connections

	2D Animators	3D Animators	Compositor	Computer Animator	Computer Graphics Modeler	Digital Editing Professional	Layout Artist	Matte Painter	Rigging Specialist	Storyboard Artist	Texture Artist	Visual Effects Artist
1. Agriculture, Food & Natural Resources												
2. Architecture & Construction												
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration												
5. Education & Training												
6. Finance												
7. Government & Public Administration												
8. Health Science												
9. Hospitality & Tourism												
10. Human Services												
11. Information Technology												
12. Law, Public Safety, Corrections & Security												
13. Manufacturing												
14. Marketing, Sales & Service												
15. Science, Technology, Engineering & Mathematics				X					X			
16. Transportation, Distribution & Logistics												

Media Arts: Digital Media Cluster Connections

	Advertising Art Director	Cartoonist	Fashion Illustrator	Graphic Designer	Industrial Design	Interior Designer	Layout Artist	Logo and Product Packaging Design Artist	Medical Illustrator	Multimedia Artist
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction				X	X	X				
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration	X									
5. Education & Training	X								X	X
6. Finance										
7. Government & Public Administration										
8. Health Science		X							X	
9. Hospitality & Tourism										
10. Human Services										
11. Information Technology										
12. Law, Public Safety, Corrections & Security										
13. Manufacturing					X					
14. Marketing, Sales & Service	X						X	X		X
15. Science, Technology, Engineering & Mathematics									X	
16. Transportation, Distribution & Logistics										

Media Arts: Digital Media continued

	Toy Designer	Video Game Design	Video Game Programmer	Web Designer
1. Agriculture, Food & Natural Resources				
2. Architecture & Construction				
3. Arts, AV Technology & Communications	X	X	X	X
4. Business Management & Administration				X
5. Education & Training	X	X	X	X
6. Finance				
7. Government & Public Administration				
8. Health Science				
9. Hospitality & Tourism				
10. Human Services				
11. Information Technology				
12. Law, Public Safety, Corrections & Security				
13. Manufacturing				
14. Marketing, Sales & Service		X	X	X
15. Science, Technology, Engineering & Mathematics				X
16. Transportation, Distribution & Logistics				

Media Arts: Photography

Cluster Connections

	Fine Arts Photographer	Industrial Photographer	Medical Photographer	Movie Stills Photographer	News Photographer/Photojournalist	Photographic Process Worker/Processing Machine Operators	Portrait Photographer	Scientific Photographer
1. Agriculture, Food & Natural Resources								
2. Architecture & Construction								
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X
4. Business Management & Administration								
5. Education & Training			X		X			X
6. Finance								
7. Government & Public Administration								
8. Health Science			X		X			X
9. Hospitality & Tourism								
10. Human Services								
11. Information Technology								
12. Law, Public Safety, Corrections & Security			X					
13. Manufacturing	X					X		
14. Marketing, Sales & Service	X							
15. Science, Technology, Engineering & Mathematics	X					X		
16. Transportation, Distribution & Logistics	X							

Media Arts: Sound, Television, Film, Video Cluster Connections

	3D rendering	Audio and Video Equipment Technicians	Audio engineer	Broadcast Technicians	Color Timer	Director - Animated Movies	Exhibit Designer	Film and TV Director	Film and TV Director Film and Video Editors	Foley Artist	Gaffer
1. Agriculture, Food & Natural Resources											
2. Architecture & Construction	X	X	X				X				
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration								X			
5. Education & Training	X	X	X	X	X	X	X	X	X	X	X
6. Finance											
7. Government & Public Administration											
8. Health Science							X				
9. Hospitality & Tourism		X		X					X		
10. Human Services											
11. Information Technology	X			X		X					
12. Law, Public Safety, Corrections & Security											
13. Manufacturing											
14. Marketing, Sales & Service	X								X		
15. Science, Technology, Engineering & Mathematics	X	X	X	X	X	X					
16. Transportation, Distribution & Logistics											

Media Arts: Sound, Television, Film, Video continued

	Key Grip	Lighting Designer	Multi-Media Artist/Animator	Roadie	Sound Designer	Sound Engineering Technician	Special Effects Technician	Stage Director	Television, video, and motion picture camera operators	Videographer	Visual Engineer
1. Agriculture, Food & Natural Resources											
2. Architecture & Construction											
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration						X			X	X	
5. Education & Training	X	X				X		X	X	X	
6. Finance						X			X		
7. Government & Public Administration						X					
8. Health Science											
9. Hospitality & Tourism				X		X			X		X
10. Human Services						X					
11. Information Technology									X		
12. Law, Public Safety, Corrections & Security											
13. Manufacturing											
14. Marketing, Sales & Service						X			X		X
15. Science, Technology, Engineering & Mathematics					X						
16. Transportation, Distribution & Logistics				X							

Music Careers Cluster Connections

	Band or Orchestra Director	Choral Director	Music Professor - Post-Secondary	Private Studio Teacher	Music Business Attorney	University, Conservatory, College Music School Administrator	Orchestra Musician	Concert Soloist	Dance, Rock, or Jazz Band Musician	Singer
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction										
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration	X	X	X	X	X	X	X	X	X	X
5. Education & Training	X	X	X	X	X	X	X	X	X	X
6. Finance	X	X	X	X	X	X	X	X	X	X
7. Government & Public Administration					X	X				
8. Health Science										
9. Hospitality & Tourism	X	X			X		X	X	X	X
10. Human Services	X	X	X		X	X				
11. Information Technology					X					
12. Law, Public Safety, Corrections & Security										
13. Manufacturing										
14. Marketing, Sales & Service	X	X	X	X	X	X	X			
15. Science, Technology, Engineering & Mathematics										
16. Transportation, Distribution & Logistics	X	X								

Music continued

	Concert Vocal Soloist	Opera Soloist	Conductor	Composer	Jingle, TV, or Film Score Composer	Arranger	Clinician	Instrument Maker	Instrument Repairman/Tuner	Disc Jockeys (DJs) - Radio and Clubs
1. Agriculture, Food & Natural Resources								X	X	
2. Architecture & Construction								X	X	
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration	X	X	X	X	X	X		X	X	X
5. Education & Training	X	X	X	X	X	X	X	X	X	X
6. Finance	X	X	X	X	X	X	X	X	X	X
7. Government & Public Administration			X							X
8. Health Science										
9. Hospitality & Tourism	X	X	X							X
10. Human Services			X							X
11. Information Technology			X	X	X	X		X	X	X
12. Law, Public Safety, Corrections & Security			X	X	X	X		X		X
13. Manufacturing								X	X	
14. Marketing, Sales & Service			X	X	X	X		X		X
15. Science, Technology, Engineering & Mathematics								X	X	X
16. Transportation, Distribution & Logistics			X	X	X	X		X		X

Music continued

	Music Therapist	Music Industry	Music Librarian	Music Publisher	Music Communications	Music/Audio Technician	Producer	Music Psychology	Music Critic	Virtual Reality Sound (Games, Internet, Programs)
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction		X								
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration		X	X	X		X	X			
5. Education & Training	X	X	X	X	X	X	X	X	X	X
6. Finance		X	X	X		X	X			
7. Government & Public Administration	X	X	X	X		X	X	X	X	X
8. Health Science	X							X		
9. Hospitality & Tourism		X							X	
10. Human Services	X	X	X	X	X	X	X	X	X	
11. Information Technology	X	X	X	X	X	X	X	X	X	X
12. Law, Public Safety, Corrections & Security	X	X	X	X	X	X	X	X	X	X
13. Manufacturing		X		X		X	X			X
14. Marketing, Sales & Service		X	X	X		X	X			X
15. Science, Technology, Engineering & Mathematics		X		X		X	X			X
16. Transportation, Distribution & Logistics		X	X	X		X	X			

Theatre Careers Cluster Connections

	actor	voice over actor	dialect coach	spokesperson	fight choreographer	playwright/screen-writer/ copywriter	critic	costume designer	set designer	sound designer
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction									X	
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration				X		X	X			
5. Education & Training	X	X	X	X	X	X		X	X	X
6. Finance										
7. Government & Public Administration				X		X				
8. Health Science				X		X				
9. Hospitality & Tourism	X	X	X	X		X	X		X	X
10. Human Services	X	X	X	X						
11. Information Technology										
12. Law, Public Safety, Corrections & Security				X						
13. Manufacturing						X				X
14. Marketing, Sales & Service	X	X		X						
15. Science, Technology, Engineering & Mathematics									X	X
16. Transportation, Distribution & Logistics										

Theatre continued

	lighting designer	make-up/hair designer	Prop design and construction	stage hand	board operators	Dramaturg	Historian	stage manager	box office manager	house manager
1. Agriculture, Food & Natural Resources										
2. Architecture & Construction	X		X	X						
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X	X	X
4. Business Management & Administration	X	X	X	X				X	X	X
5. Education & Training	X		X	X	X	X	X	X		
6. Finance									X	
7. Government & Public Administration						X	X			
8. Health Science		X								
9. Hospitality & Tourism	X		X	X	X	X	X		X	X
10. Human Services					X				X	
11. Information Technology										
12. Law, Public Safety, Corrections & Security		X	X	X						
13. Manufacturing		X				X	X		X	
14. Marketing, Sales & Service			X	X					X	
15. Science, Technology, Engineering & Mathematics			X							
16. Transportation, Distribution & Logistics										

Theatre continued

	development/ fundraiser	advertising/marketing	business manager	artist management/agency	teacher/coaching	Producer	artistic director	literary manager
1. Agriculture, Food & Natural Resources								
2. Architecture & Construction								
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X
4. Business Management & Administration	X	X	X	X		X	X	X
5. Education & Training	X				X		X	
6. Finance	X	X	X	X		X		
7. Government & Public Administration								
8. Health Science	X							
9. Hospitality & Tourism	X	X	X				X	X
10. Human Services								
11. Information Technology				X				
12. Law, Public Safety, Corrections & Security								X
13. Manufacturing	X	X	X	X		X	X	
14. Marketing, Sales & Service	X	X	X					
15. Science, Technology, Engineering & Mathematics								
16. Transportation, Distribution & Logistics								

Visual Arts Careers Cluster Connections

	Graphic Design	Interactive communication	Industrial Designer	Interior Designer	Architect	Landscape Architect	Fashion Designer
1. Agriculture, Food & Natural Resources	X	X	X	X	X	X	
2. Architecture & Construction	X	X	X	X	X	X	
3. Arts, AV Technology & Communications	X	X	X	X	X		X
4. Business Management & Administration	X	X	X	X	X		X
5. Education & Training	X	X	X	X	X		
6. Finance	X	X	X	X	X		
7. Government & Public Administration	X	X	X	X	X		
8. Health Science	X	X	X	X	X		
9. Hospitality & Tourism	X	X	X	X	X		
10. Human Services	X	X	X	X	X		
11. Information Technology	X	X	X	X	X		
12. Law, Public Safety, Corrections & Security	X	X	X	X	X	X	
13. Manufacturing	X	X	X	X	X		X
14. Marketing, Sales & Service	X	X	X	X	X		X
15. Science, Technology, Engineering & Mathematics	X	X	X	X	X		
16. Transportation, Distribution & Logistics	X	X	X	X	X		

Visual Arts continued

	Illustration	Animation	Game Design	Exhibiting Artist	Art Educator	Art Conservator	Art Historian/ Art Critic/ Curator
1. Agriculture, Food & Natural Resources							
2. Architecture & Construction						X	X
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X
4. Business Management & Administration							
5. Education & Training			X		X	X	X
6. Finance							
7. Government & Public Administration							
8. Health Science							
9. Hospitality & Tourism							
10. Human Services					X		
11. Information Technology		X	X				
12. Law, Public Safety, Corrections & Security							
13. Manufacturing							
14. Marketing, Sales & Service	X	X	X				
15. Science, Technology, Engineering & Mathematics	X	X				X	
16. Transportation, Distribution & Logistics							

Visual Arts continued

	Arts Management	Art Therapist	Photojournalist	Broadcast and Sound Engineering Technicians	Television, Video, Motion Picture Camera Operator	Film Artists	Set Designers / Scenic Designers	Broadcast and Sound Engineering Technicians
1. Agriculture, Food & Natural Resources				X	X			
2. Architecture & Construction	X			X	X		X	
3. Arts, AV Technology & Communications	X	X	X	X	X	X	X	X
4. Business Management & Administration	X			X	X	X		
5. Education & Training	X	X	X	X	X	X	X	X
6. Finance	X			X	X			
7. Government & Public Administration	X			X	X			
8. Health Science		X	X	X	X			
9. Hospitality & Tourism	X		X	X	X	X	X	
10. Human Services		X	X	X	X			
11. Information Technology				X	X			X
12. Law, Public Safety, Corrections & Security			X	X	X			
13. Manufacturing				X	X			
14. Marketing, Sales & Service	X		X	X	X	X		
15. Science, Technology, Engineering & Mathematics				X	X			X
16. Transportation, Distribution & Logistics	X			X	X			

