

Labor Market Analysis for Program Review: 1006.00/Technical Theater (Theater Technology)

Orange County Center of Excellence, November 2022



Program reviews are conducted by individual colleges to periodically review curriculum of their existing programs, and in the case of career technical education programs, ensure continued alignment with regional labor market needs. Because a program review evaluates an existing program, rather than establishing a new program, additional supply will not be added; therefore the endorsement criteria included in this report is determined slightly differently than it is for a new program that requires regional recommendation.

Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met <input type="checkbox"/>	Endorsed: Some LMI Criteria Met <input checked="" type="checkbox"/>	Not LMI Endorsed <input type="checkbox"/>
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Program LMI Endorsement Criteria

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Supply Gap:	<p><i>Comments:</i> there is projected to be 1,072 middle-skill annual job openings throughout Los Angeles and Orange counties for these middle-skill theater technology occupations, which is more than the 945 awards conferred by educational institutions. However, the undersupply is within the COE's margin (25% over or under the number of annual job openings) to be considered "supply met" rather than a "supply gap".</p>	
Living Wage: (Entry-Level, 25 th)		<p><i>Comments:</i> the majority (82%) of annual job openings for these middle-skill theater technology occupations have entry-level hourly wages below the OC living wage of \$20.63.</p>
Education:	<p><i>Comments:</i> The typical entry-level education for these middle-skill theater technology occupations ranges from a high school diploma or equivalent to a postsecondary nondegree award. However, more than one-third of workers in the field have completed some college or an associate degree as their highest level of education.</p>	
Emerging Occupation(s)		
	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<i>Comments:</i> N/A		

The Orange County Center of Excellence for Labor Market Research (OC COE) prepared this report to determine whether there is a supply gap in the Los Angeles/Orange County regional labor market related to three theater technology occupations:

- Below Middle-Skill – denoted with an asterisk (*) throughout this report.
 - Costume Attendants (39-3092)*
 - Tailors, Dressmakers, and Custom Sewers (51-6052)*

- Middle-Skill
 - Audio and Video Technicians (27-4011)
 - Lighting Technicians (27-4015)
 - Makeup Artists, Theatrical and Performance (39-5091)

Middle-skill occupations typically require a community college education while below middle-skill occupations typically require at less than a community college education.

Based on the available data there appears be a supply gap for these public health informatics occupations. However, the undersupply is within the COE’s margin (25% over or under the number of annual job openings) to be considered “supply met” rather than a “supply gap”. Though typical education requirements for these occupations align with a community college education, the majority of annual job openings have entry-level wages below the living wage. **Therefore, due to some of the regional labor market criteria being met, the COE endorses this proposed program.**

Exhibit 1 lists the occupational demand, supply, typical entry-level education, and educational attainment for the occupations included in this report.

Exhibit 1: Occupational Demand and Supply in Los Angeles/Orange Counties

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25 th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Costume Attendants (39-9092)*	179	0	OC: \$15.99	High school diploma or equivalent	36%
Tailors, Dressmakers, and Custom Sewers (51-6052)*	333	0	OC: \$9.92	No formal educational credential	25%
Below Middle-Skill Total	512	0	N/A	N/A	N/A
Audio and Video Technicians (27-4011)	836	453	OC: \$19.90	Postsecondary nondegree award	38%
Lighting Technicians (27-4015)	107	119	OC: \$17.33	High school diploma or equivalent	38%
Makeup Artists, Theatrical and Performance (39-5091)	128	373	OC: \$42.98	Postsecondary nondegree award	45%
Middle-Skill Total	1,072	945	N/A	N/A	N/A
Total	1,584	945	N/A	N/A	N/A

Demand:

- The number of jobs related to these middle-skill theater technology occupations are projected to increase 9% through 2026; there is projected to be 1,072 annual job openings.
- Hourly entry-level wages for these middle-skill theater technology occupations range from \$17.33 to \$42.98 in Orange County; the majority of annual job openings have entry-level wages below the living wage.
- There were 1,602 online job postings for these middle-skill theater technology occupations over the past 12 months. The highest number of postings were for audiovisual technicians, makeup artists, and lighting technicians.
- The typical entry-level education for these middle-skill theater technology occupations ranges from a high school diploma to a postsecondary nondegree award.
- Between 38% and 45% of workers in these middle-skill occupations have completed some college or an associate degree as their highest level of educational attainment.

Supply:

- There was an average of 365 awards conferred by 23 community colleges in Los Angeles and Orange Counties from 2018 to 2021.
- There was an average of 580 awards conferred by eight non-community college institutions from 2017 to 2020.
- Orange County community college students that exited technical theater programs in the 2018-2019 academic year had a median annual wage of \$22,736 after exiting the program and 21% attained the regional living wage.
- Throughout Orange County, 43% of theater technology students that exited their program in 2017-18 reported that they are working in a job closely related to their field of study.

Demand

Occupational Projections:

Exhibit 2 shows the annual percent change in jobs for all five of the theater technology occupations researched in this report from 2016 through 2026. Notably, employment in these theater technology occupations in Orange County decreased 22% from 2019 to 2020, which is significantly higher than the 7% decline in employment across all occupations in Los Angeles and Orange Counties due to the COVID-19 pandemic.

Employment in all three of these theater technology occupations is projected to continue to decrease from 2021 to 2025 in Orange County, then increase at a slightly lower rate than all occupations through 2026. Employment in the middle-skill occupations is projected to decrease at a lower rate than the above middle-skill occupations.

Exhibit 2: Annual Percent Change in Jobs for Theater Technology Occupations, 2016-2026

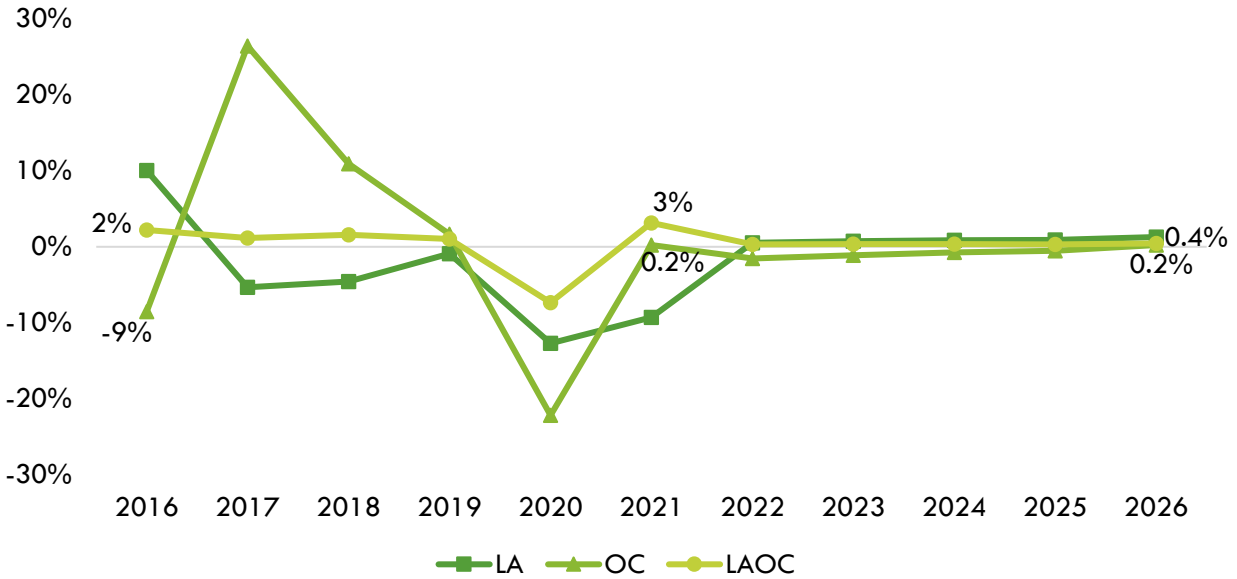


Exhibit 3 shows the five-year occupational demand projections for these below middle-skill theater technology occupations. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to decrease 10% through 2026. There is projected to be 512 jobs available annually.

Exhibit 3: Below Middle-Skill Occupational Demand in Los Angeles and Orange Counties¹

Geography	2021 Jobs	2026 Jobs	2021-2026 Change	2021-2026 % Change	Annual Openings
Los Angeles	2,863	2,590	(273)	(10%)	414
Orange	716	637	(79)	(11%)	98
Total	3,579	3,227	(352)	(10%)	512

Exhibit 4 shows the five-year occupational demand projections for these middle-skill theater technology occupations. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to increase by 9% through 2026. There is projected to be 1,072 jobs available annually.

Exhibit 4: Middle-Skill Occupational Demand in Los Angeles and Orange Counties

Geography	2021 Jobs	2026 Jobs	2021-2026 Change	2021-2026 % Change	Annual Openings
Los Angeles	7,867	8,616	749	10%	965
Orange	998	1,014	16	2%	107
Total	8,864	9,630	766	9%	1,072

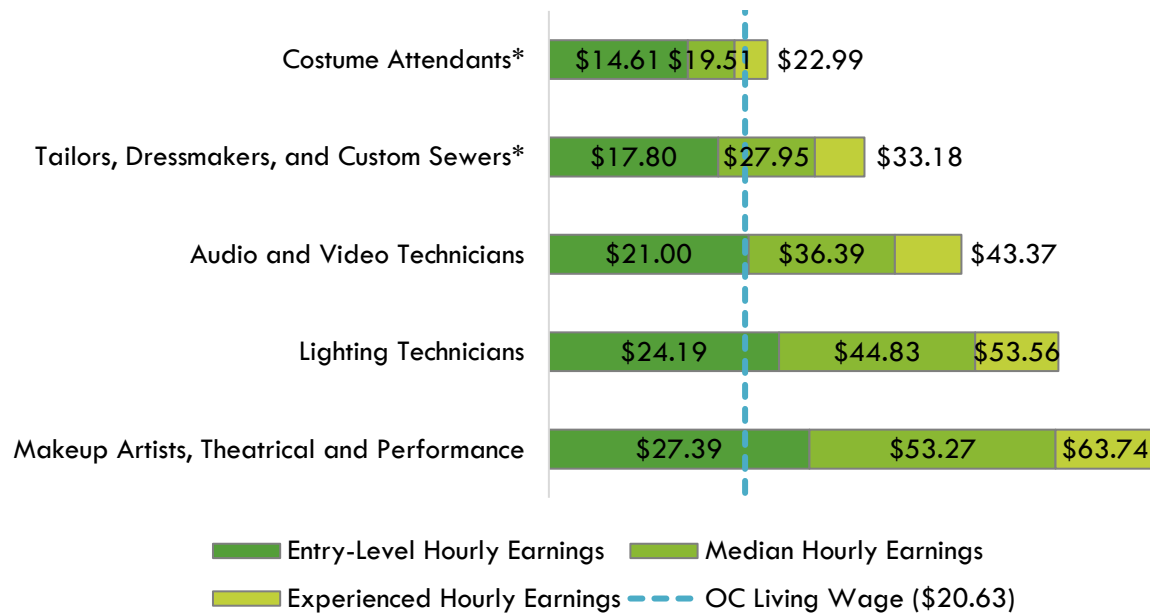
¹ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages:

The labor market endorsement in this report considers the entry-level hourly wages for these middle-skill theater technology occupations in Orange County as they relate to the county's living wage. Los Angeles County wages are included below in order to provide a complete analysis of the LA/OC region.

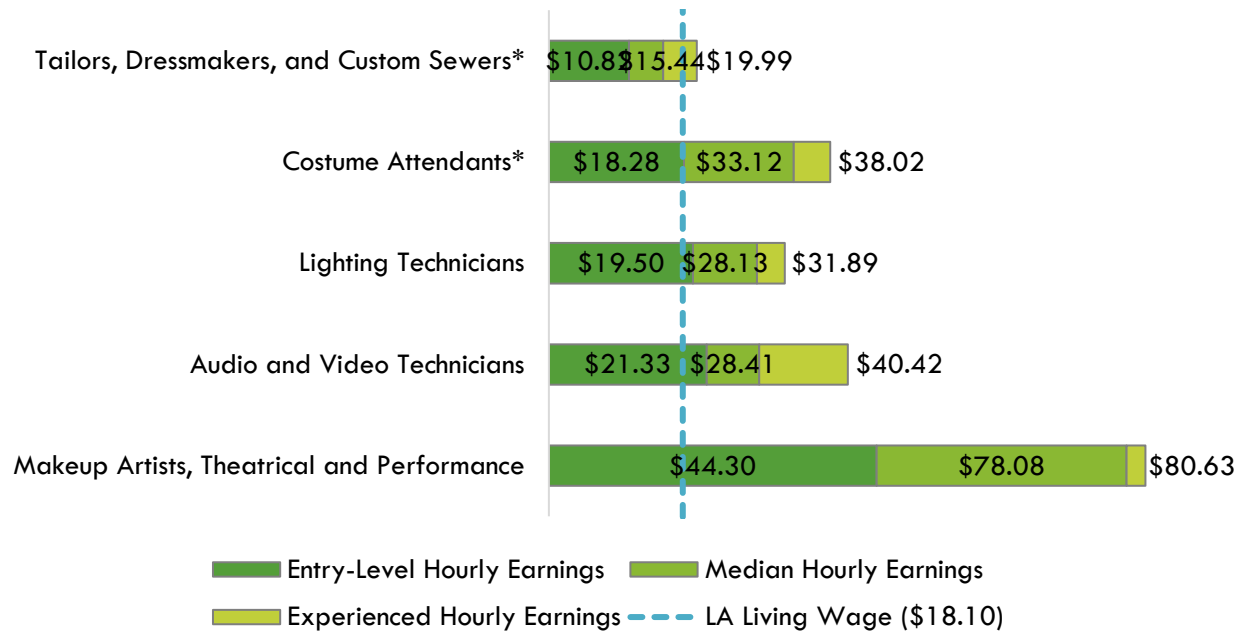
The majority (82%) of annual openings for these middle-skill theater technology occupations have entry-level wages below the living wage for one adult (\$20.63 in Orange County). Typical entry-level hourly wages range between \$17.33 and \$42.98. Orange County's average wages are above the average statewide wage of \$34.29 for these occupations. Exhibit 5, shows the wage range for each of these theater technology occupations in Orange County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

Exhibit 5: Wages by Occupation in Orange County



All annual openings for these middle-skill theater technology occupations have entry-level wages above the living wage for one adult (\$18.10 in Los Angeles County). Typical entry-level hourly wages are in a range between \$19.50 and \$44.30. Los Angeles County's average wages are higher than the statewide wage of \$34.29 for these occupations. Exhibit 6 shows the wage range for each of these theater technology occupations in Los Angeles County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

Exhibit 6: Wages by Occupation in Los Angeles County



Job Postings:

There were 2,373 online job postings related to these theater technology occupations listed in the past 12 months. Of those, 68% (1,602) were for middle-skill theater technology occupations. Exhibit 7 shows the number of job postings by occupation.

Exhibit 7: Number of Job Postings by Occupation (n=18,657)

Occupation	Job Postings	Percentage of Job Postings
Audio and Video Technicians	1,206	51%
Tailors, Dressmakers, and Custom Sewers*	721	30%
Makeup Artists, Theatrical and Performance	318	13%
Lighting Technicians	78	3%
Costume Attendants*	50	2%
Total Postings	2,373	100%

The top employers for the below middle-skill theater technology occupations in the region, by number of job postings, are shown in Exhibit 8.

Exhibit 8: Top Below Middle-Skill Employers by Number of Job Postings (n=771)

Employer	Job Postings	Percentage of Job Postings
Nordstrom	103	13%
David's Bridal	46	6%
Men's Wearhouse	36	5%
Neiman Marcus	19	2%
Crothall Laundry Services	11	1%
Galls	10	1%
Disneyland Resort	8	1%
Indochino	8	1%
Universal Orlando	7	1%
Los Angeles Opera Company	6	1%

The top employers for the middle-skill theater technology occupation in the region, by number of job postings, are shown in Exhibit 9.

Exhibit 9: Top Middle-Skill Employers by Number of Job Postings (n=1,602)

Employer	Job Postings	Percentage of Job Postings
Encore Global	135	8%
Encore	52	3%
Production Resource Group	23	1%
Cherry Hill Programs	22	1%
Disneyland Resort	20	1%
Audio Visual Management	16	1%
Randstad	16	1%
Robert Half	14	1%
California State University	12	1%
University of Southern California	12	1%

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown for these below middle-skill occupations in Exhibit 10.

Exhibit 10: Top Skills for Below Middle-Skill Occupations by Number of Job Postings (n=771)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Sewing (368)	Communications (204)	Operating Systems (5)
Garment Alterations (335)	Customer Service (189)	Apple IOS (4)
Machinery (123)	Teamwork (125)	Microsoft Outlook (4)
Merchandising (115)	Willingness To Learn (125)	Microsoft Windows (4)
Selling Techniques (96)	Management (124)	Tuxedo (Software) (4)
Textiles (82)	Enthusiasm (104)	Customer Relationship Management (CRM) Software (2)
Garment Construction (49)	Self-Motivation (92)	Microsoft Excel (2)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Inventory Management (47)	Detail Oriented (82)	Workday (Software) (2)
Development Environment (46)	Sales (81)	Collaborative Software (1)
Point Of Sale (45)	Lifting Ability (76)	Firewall (1)

The top specialized, soft, and software/computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown for the middle-skill occupation in Exhibit 11.

Exhibit 11: Top Skills for Middle-Skill Occupations by Number of Job Postings (n=1,602)

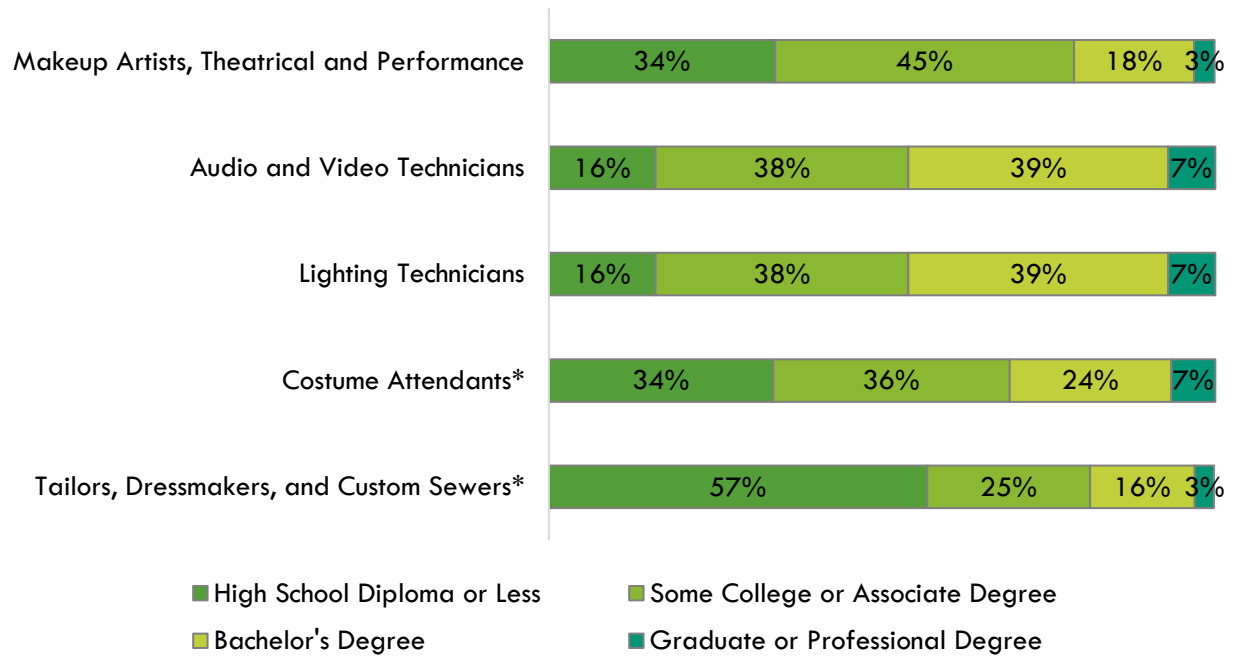
Top Specialized Skills	Top Soft Skills	Top Computer Skills
Audiovisual Equipment (220)	Communications (643)	Microsoft Office (105)
Electronic Components (195)	Troubleshooting (Problem Solving) (571)	Zoom (Video Conferencing Tool) (87)
Operations Management (192)	Customer Service (562)	Microsoft Excel (84)
Invoicing (173)	Valid Driver's License (434)	Microsoft PowerPoint (66)
Upselling (152)	Operations (411)	Microsoft Outlook (54)
Equipment Operation (148)	Professionalism (280)	Adobe Premiere Pro (46)
Crestron (A/V Systems) (131)	Management (265)	Adobe Photoshop (36)
Electrical Wiring (112)	Problem Solving (234)	Mac OS (34)
Control Systems (108)	Lifting Ability (232)	Operating Systems (33)
Workflow Management (104)	Detail Oriented (205)	Microsoft Teams (32)

Educational Attainment:

The Bureau of Labor Statistics (BLS) lists no formal educational credential as the typical entry-level education for *tailors, dressmakers, and custom sewers*, a high school diploma or equivalent for *costume attendants* and *lighting technicians* and a postsecondary nondegree award for *audio and video technicians* and *makeup artists, theatrical and performance*. The national-level educational attainment data indicates between 38% and 45% of workers in the middle-skill occupations have completed some college or an associate degree as their highest level of education. Between 25% and 36% of workers in the below middle-skill occupations have completed some college or an associate degree. Exhibit 12 shows the educational attainment for each occupation, sorted by highest community college educational attainment to lowest.

Of the 41% of the cumulative job postings for these middle-skill theater technology occupations that listed a minimum education requirement in Los Angeles/Orange County, 80% (526) requested a high school diploma or an associate degree and the remaining 20% (128) requested a bachelor's degree. Conversely, of the 11% of the postings for the below middle-skill occupations that listed a minimum education requirement, all 100% (86) requested a high school diploma or an associate degree.

Exhibit 12: National-level Educational Attainment for Occupations



Educational Supply

Community College Supply:

Exhibit 13 shows the three-year average number of awards conferred by community colleges in the related TOP codes: Commercial Music (1005.00) and Technical Theater (1006.00). The colleges with the most completions in the region are: LA City, Citrus, and Saddleback. Over the past 12 months, there were no other related program recommendation requests from regional community colleges.

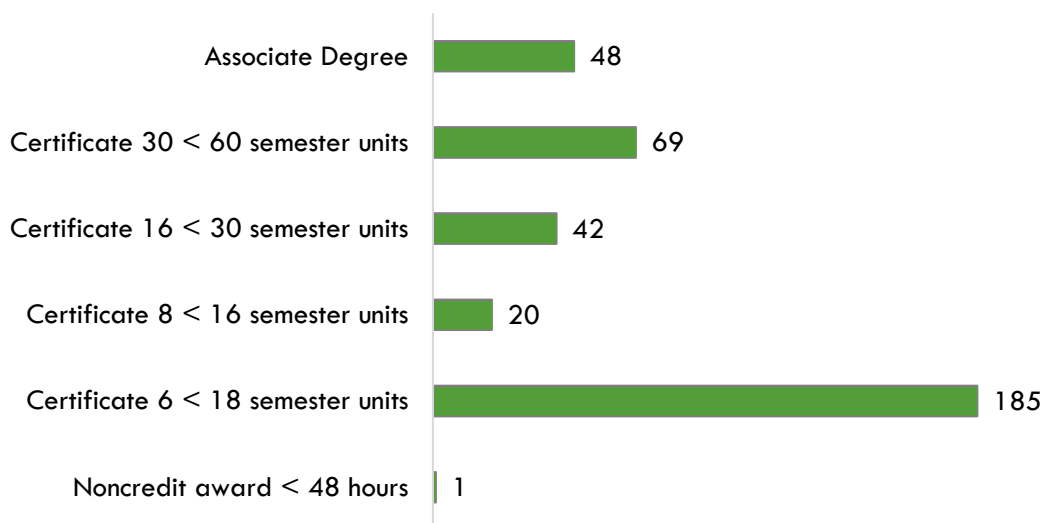
Exhibit 13: Regional Community College Awards (Certificates and Degrees), 2018-2021

TOP Code	Program	College	2018-2019 Awards	2019-2020 Awards	2020-2021 Awards	3-Year Award Average		
1005.00	Commercial Music	Cerritos	3	5	8	5		
		Citrus	58	51	51	53		
		Compton	0	0	1	0		
		East LA	0	0	2	0		
		Glendale	0	0	2	1		
		LA City	313	129	12	152		
		LA Harbor	6	4	0	3		
		LA Valley	7	10	6	7		
		Long Beach	0	0	1	0		
		Pasadena	0	0	2	0		
		LA Subtotal	20	18	27	21		
		Coastline	3	0	3	2		
		Cypress	0	0	2	1		
		Golden West	10	10	7	8		
		Irvine	9	1	6	5		
		Saddleback	0	0	1	0		
		Santa Ana	0	1	6	2		
		OC Subtotal	22	12	25	18		
		Supply Subtotal/Average			42	30	52	39
		1006.00	Technical Theater	Citrus	5	8	7	7
East LA	7			15	6	10		
Glendale	0			1	0	0		
LA City	38			1	2	13		
LA Pierce	12			13	7	10		
LA Valley	4			2	1	2		
Mt San Antonio	1			0	0	0		
Pasadena	4			2	2	2		
Santa Monica	17			17	6	13		

TOP Code	Program	College	2018-2019 Awards	2019-2020 Awards	2020-2021 Awards	3-Year Award Average
		LA Subtotal	88	59	37	57
		Cypress	3	3	7	5
		Fullerton	11	4	33	16
		Golden West	0	1	0	0
		Irvine	3	3	4	4
		Orange Coast	1	0	0	0
		Saddleback	0	2	4	2
		Santa Ana	1	3	6	4
		OC Subtotal	19	16	54	31
		Supply Subtotal/Average	107	75	85	88
		Supply Total/Average	644	516	506	548

Exhibit 14 shows the annual average community college awards by type from 2018-19 through 2020-21. The majority of the awards are for certificates between 6 and less than 18 semester units, followed by certificates between 30 and less than 60 semester units and certificates between 16 and less than 30 semester units.

Exhibit 14: Annual Average Community College Awards by Type, 2018-2021



Community College Student Outcomes:

Exhibit 15 shows the Strong Workforce Program (SWP) metrics for technical theater programs in Coast Community College District (CCCD), the Orange County Region, and California. Of the 703 technical theater students in Orange County, 11% (80) attended a CCCD college.

Additionally, CCCD students that exited technical theater programs in the 2018-19 academic year had median annual earnings of \$12,544 after exiting the program, which is significantly lower when compared to the Orange County Region (\$22,736) and statewide (\$21,236). All figures are significantly below the living wage.

Exhibit 15: Technical Theater (1006.00) Strong Workforce Program Metrics, 2019-20²

SWP Metric	CCCD	OC Region	California
SWP Students	80	703	5,012
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	19%	13%	19%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	Insufficient Data	96%	88%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	Insufficient Data	12	140
SWP Students Who Transferred to a Four-Year Postsecondary Institution (2018-19)	Insufficient Data	35	354
SWP Students with a Job Closely Related to Their Field of Study (2017-18)	Insufficient Data	43%	0%

² All SWP metrics are for 2019-20 unless otherwise noted.

SWP Metric	CCCD	OC Region	California
Median Annual Earnings for SWP Exiting Students (2018-19)	\$12,544 (\$6.03)	\$22,736 (\$10.93)	\$21,236 (\$10.21)
Median Change in Earnings for SWP Exiting Students (2018-19)	Insufficient Data	33%	38%
SWP Exiting Students Who Attained the Living Wage (2018-19)	Insufficient Data	21%	24%

Non-Community College Supply:

For a comprehensive regional supply analysis, it is also important to consider the supply from other institutions in the region that provide training programs for these theater technology occupations. Exhibit 16 shows the annual and three-year average number of awards conferred by these institutions in the related Classification of Instructional Programs (CIP) Codes: Recording Arts Technology/Technician (10.0203), Make-Up Artist/Specialist (12.0406), and Technical Theatre/Theatre Design and Technology (50.0502).

Due to different data collection periods, the most recent three-year period of available data is from 2017 to 2020. Between 2017 and 2020, eight colleges in the region conferred an average of 580 awards annually in related training programs.

Exhibit 16: Regional Non-Community College Awards, 2017-2020

CIP Code	Program	College	2017-2018 Awards	2018-2019 Awards	2019-2020 Awards	3-Year Award Average
10.0203	Recording Arts Technology/Technician	Los Angeles Film School	139	54	0	64
		Loyola Marymount University	10	12	13	12
		Musicians Institute	113	115	73	100
Supply Subtotal/Average			262	181	86	176
12.0406	Make-Up Artist/Specialist	Colleen O'Haras Beauty Academy	9	0	0	3
		Make-up Designory	596	513	0	370
Supply Subtotal/Average			605	513	0	373
50.0502	Technical Theatre/Theatre Design and Technology	California Institute of the Arts	10	22	18	17
		Pepperdine University	3	6	6	5
		University of Southern California	8	12	4	8
		Vanguard University of Southern California	2	0	1	1
Supply Subtotal/Average			23	40	29	31
Supply Subtotal/Average			890	734	115	580

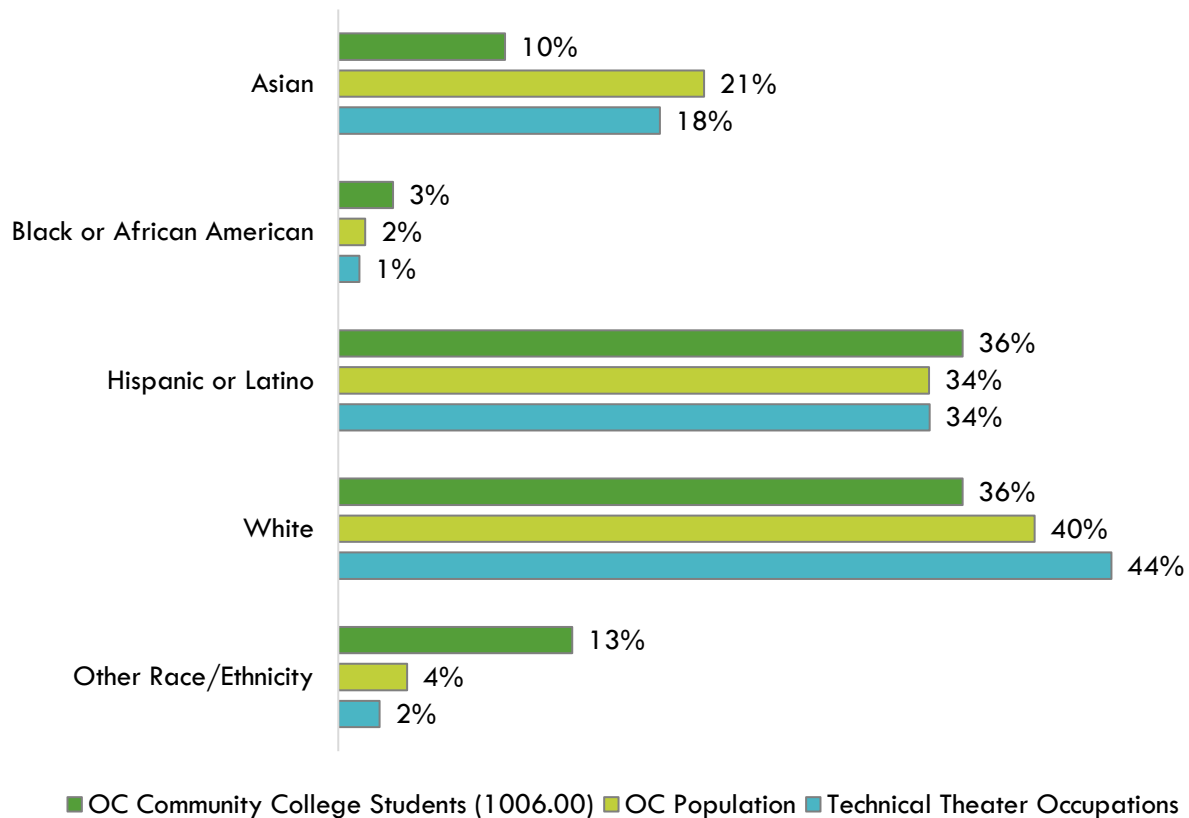
Regional Demographics

This section analyzes demographic data for Orange County community college students enrolled in theater technology programs compared to the OC population, as well occupational data, for the purpose of identifying potential diversity and equity issues that can be addressed by community college programs.

Ethnicity:

Exhibit 17 shows the ethnicity of Orange County community college students enrolled in technical theater programs compared to the overall Orange County population, as well as the five theater technology occupations included in this report. Notably, 44% of workers employed in these theater technology occupations are White, which is higher than the population (40%) and community college theater technology students (36%). Additionally, 10% of community college theater technology students are Asian, which is lower than the Orange County population (21%) and these theater technology occupations (18%).

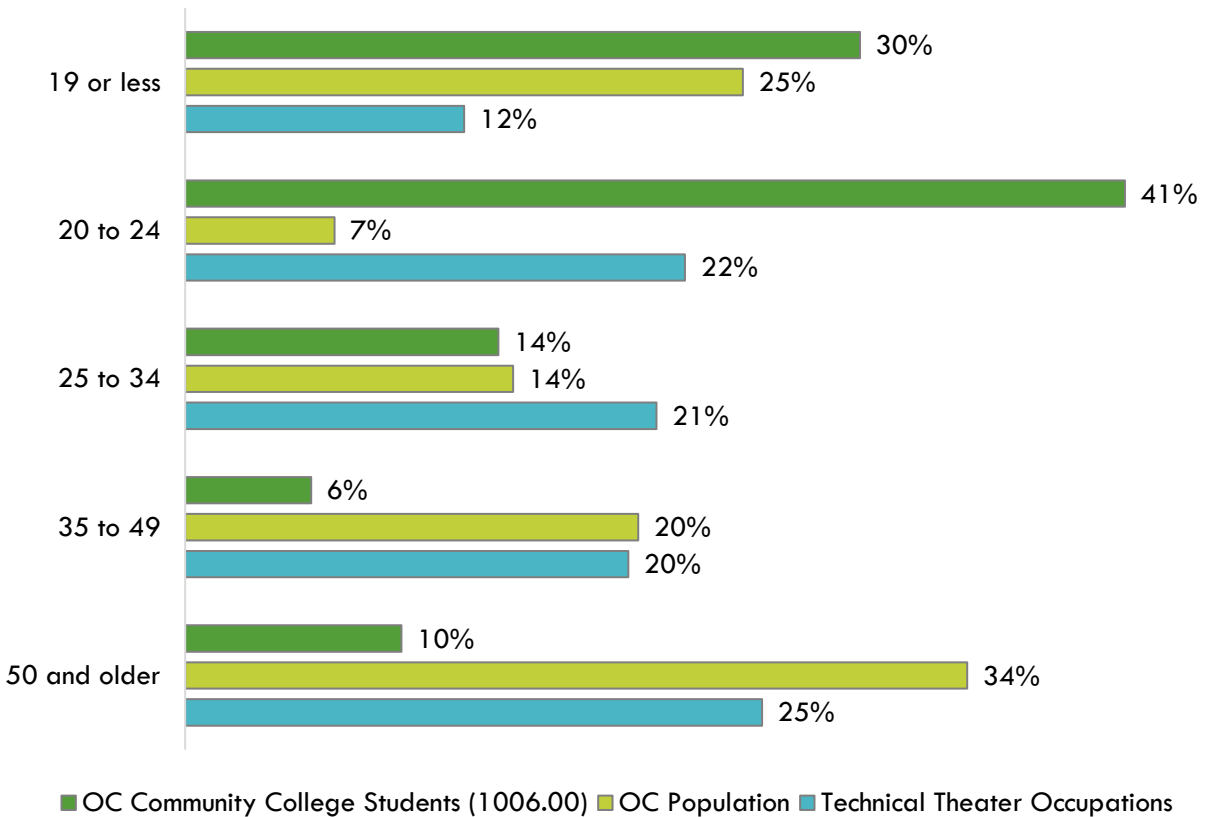
Exhibit 17: Program and County Demographics by Ethnicity



Age:

Exhibit 18 shows the age of Orange County community college students enrolled in technical theater programs compared to the overall Orange County population, as well as the five theater technology occupations included in this report. The plurality of workers in these theater technology occupations are age 50 and older (25%), which is lower than the population (34%) and significantly higher than community college theater technology students (10%). Additionally, the vast majority (71%) of community college theater technology students are age 24 or less, which is significantly higher than the population (32%) and these theater technology occupation (34%).

Exhibit 18: Program and County Demographics by Age

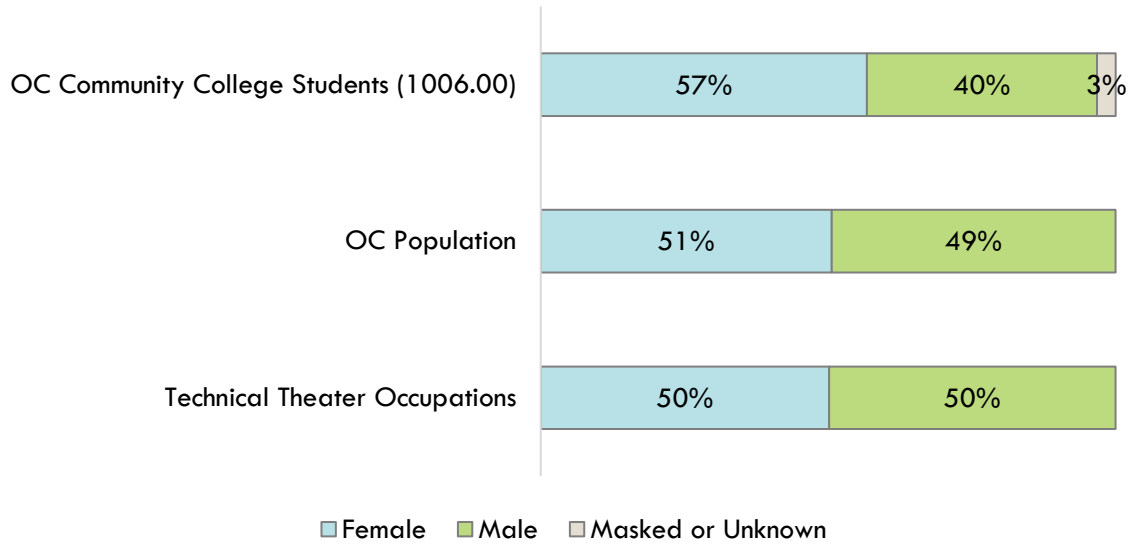


Sex:

Exhibit 19 shows the sex of Orange County community college students enrolled in theater technology programs compared to the overall Orange County population as well as these theater technology occupations.

Though the Orange County population and these theater technology occupations is split nearly evenly between men and women, 57% of technical theater students are women.

Exhibit 19: Program and County Demographics by Sex



Appendix A: Methodology A

The OC COE prepared this report by analyzing data from occupations and education programs. Occupational data is derived from Lightcast, a labor market analytics firm that consolidates data from the California Employment Development Department (EDD), U.S. Bureau of Labor Statistics (BLS) and other government agencies. Program supply data is drawn from two systems: Taxonomy of Programs (TOP) and Classification of Instructional Programs (CIP).

Using a TOP-SOC crosswalk, the OC COE identified middle-skill jobs for which programs within these TOP codes train. Middle-skill jobs include:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

The OC COE determined labor market supply for an occupation or SOC code by analyzing the number of program completers or awards in a related TOP or CIP code. The COE developed a “supply table” with this information, which is the source of the program supply data for this report. TOP code data comes from the California Community Colleges Chancellor's Office MIS Data Mart (datamart.cccco.edu) and CIP code data comes from the Integrated Postsecondary Education Data System (nces.ed.gov/ipeds/use-the-data), also known as IPEDS. TOP is a system of numerical codes used at the state level to collect and report information on California community college programs and courses throughout the state that have similar outcomes. CIP codes are a taxonomy of academic disciplines at institutions of higher education in the United States and Canada. Institutions outside of the California Community College system do not use TOP codes in their reporting systems.

Data included in this analysis represent the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the OC COE. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges. Real-time labor market information captures job post advertisements for occupations relevant to the field of study which can signal demand and show what employers are looking for in potential employees, but is not a perfect measure of the quantity of open positions.

All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.

Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	<p>Traditional labor market information data is sourced from Lightcast, a labor market analytics firm. Lightcast occupational employment data are based on final Lightcast industry data and final Lightcast staffing patterns. Wage estimates are based on Occupational Employment Statistics and the American Community Survey. For more information, see https://lightcast.io/</p>
Living Wage	<p>The living wage is derived from the Insight Center’s California Family Needs Calculator, which measures the income necessary for an individual of family to afford basic expenses. The data assesses the cost of housing, food, child care, health care, transportation, and taxes. For more information, see: https://insightccd.org/family-needs-calculator/</p> <p>The living wage for one adult in Orange County is \$20.63 per hour (\$42,910.40 annually). This figure is used by the CCCCCO to calculate the percentage of students that attained the regional living wage.</p>
Typical Education and Training Requirements, and Educational Attainment	<p>The Bureau of Labor Statistics (BLS) provides information about education and training requirements for hundreds of occupations. BLS uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training to each occupation for which BLS publishes projections data. For more information, see https://www.bls.gov/emp/documentation/education/tech.htm</p>
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	<p>The O*NET database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations. For more information, see https://www.onetonline.org/help/online/</p>
Educational Supply	<p>The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. For more information, see: https://datamart.cccco.edu</p> <p>The National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS) collects data on the number of postsecondary awards earned (completions). For more information, see https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions</p>
Student Metrics and Demographics	<p>LaunchBoard, a statewide data system supported by the California Community Colleges Chancellor's Office and hosted by Cal-PASS Plus, provides data on progress, success, employment, and earnings outcomes for California community college students. For more information, see: https://www.calpassplus.org/LaunchBoard/Home.aspx</p>

Data Type	Source
Population and Occupation Demographics	<p>The Census Bureau's American Community Survey (ACS) is the premier source for detailed population and housing information. For more information, see: https://www.census.gov/programs-surveys/acs</p> <p>Data is sourced from IPUMS USA, a database providing access to ACS and other Census Bureau data products. For more information, see: https://usa.ipums.org/usa/about.shtml</p>

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