RESILIENT JOBS

Top Jobs During the Great Recession and COVID-19 Pandemic

February 2021 Imperial County





COMMUNITY COLLEGES SAN DIEGO & IMPERIAL COUNTIES CAREER EDUCATION



Table of Contents

Executive Summary	2
Introduction	3
Recession-Resilient Jobs	4
Pandemic-Resilient Jobs	8
Recession- and Pandemic-Resilient, Middle-Skill Jobs	15
Conclusion	16
Appendix A: Pandemic-Resilient Jobs Data	17
Appendix B: Community College Programs Related to Recession-Resilient Jobs	24

Executive Summary

In response to the current COVID-19 crisis, the San Diego-Imperial Center of Excellence for Labor Market Research (COE) analyzed jobs that appeared resilient during economic downturns. For this study, occupations that experienced employment growth or sustained employment levels during the Great Recession (2007-2009) were considered recession-resilient jobs. These recession-resilient jobs were then compared with top jobs between March and December 2020 (based on online job postings) to determine which occupations were also pandemic-resilient jobs.

FINDINGS

- Recession-resilient jobs: Although there are more than 800 occupations in the Standard Occupational Classification (SOC) system,¹ only 45 of those have been identified as recession-resilient jobs in Imperial County. Twenty-four of the 45 recession-resilient jobs are also middle-skill jobs, or jobs that could be trained by community college programs.
- Pandemic-resilient jobs: The San Diego-Imperial COE reviewed 4,897 online job postings between March and December 2020 to identify the top 50 jobs with at least three online job postings each month in Imperial County.² During this period, 123 occupations from the SOC system made the monthly top 50 jobs list at least once. Of the 123 pandemic-resilient jobs, 14 were also recessionresilient.
- **Recession- and pandemic-resilient, middle-skill jobs:** 8 of the 14 recession- and pandemic-resilient jobs were also middle-skill jobs, or jobs that could be trained by community college programs.

The San Diego-Imperial COE encourages stakeholders to use this study as a resource for meaningful and engaging discussions. This labor market information is intended to help the San Diego and Imperial Counties Community Colleges with program development and strategic planning as they assess priorities during this difficult time.

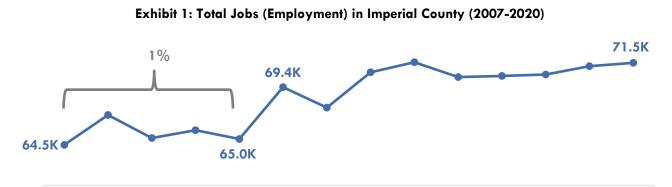
It is important to note that this study analyzes the *labor market demand* for jobs and does not compare demand with supply. If the region's community colleges decide to create a new program for any of the occupations identified in this study, then the San Diego-Imperial COE recommends completing a supply gap analysis, which compares demand with supply.

¹ The Standard Occupational Classification (SOC) system is used by federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data. bls.gov/soc.

² On average, an occupation in Imperial County had three online job postings between March and December 2020. Therefore, the COE determined that top jobs with at least three online job postings were "pandemic-resilient jobs."

Introduction

The Great Recession (2007-2009) was considered "the severest labor market downturn since the Great Depression of the 1930s."³ In most regions, the negative economic impact from the financial crisis persisted well after the Great Recession officially ended in 2009.⁴ However, in Imperial County specifically, the total number of jobs (employment) increased 64.5 thousand jobs in 2007 to 65 thousand jobs in 2011—a one percent increase (Exhibit 1).⁵ By 2012, however, the job market increased substantially with the total number of jobs reaching 69.4 thousand.



2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

In response to the current COVID-19 crisis, the San Diego-Imperial Center of Excellence for Labor Market Research (COE) analyzed occupations that experienced employment growth or sustained employment levels during the Great Recession, which are considered "recession-resilient jobs" for the purpose of this report. These recession-resilient jobs were compared with online job postings between March and December 2020 to determine which occupations were also *pandemic-resilient jobs*.

IMPORTANT DISCLAIMER

It is important to note that the financial crises caused by the Great Recession and COVID-19 are not the same. As more information about the impact of COVID-19 becomes available, the resilient jobs identified in this study may no longer be relevant. However, this labor market information is intended to help the San Diego and Imperial Counties Community Colleges with program development and strategic planning as they assess priorities during this difficult time. Efforts have been made to qualify and validate the accuracy of the data and the report findings; however, neither the Centers of Excellence for Labor Market Research, COE host

³ Katz, L. (2015). Long-term unemployment in the Great Recession. EPRN. lerachapters.org/OJS/ojs-2.4.4-1/index.php/EPRN/article/download/ 1910/1907

⁴ nber.org/papers/w17534.pdf

⁵ Emsi 2020.04; QCEW, Non-QCEW, Self-Employed.

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.

Recession-Resilient Jobs

The following sections provide an analysis of recession-resilient jobs, which have:

- Annual openings at or above the regional average: The average labor market demand for all
 occupations in Imperial County during the Great Recession was 15 annual job openings. This study
 excludes occupations that did not have a labor market demand of at least 15 annual job openings
 during that period from the analysis.
- Median hourly earnings are at or above \$13.20: \$13.20 per hour is considered the living wage for Imperial County for two adults and two children (school-age).⁶ The living wage increases as the family size increases; however, for the purpose of this study, only occupations that provide earnings at or above the living wage for two adults and two children (school-age) were included in the analysis.⁷
- Occupational employment increased between 2007 and 2010: Because most regions experienced employment decline during the Great Recession, any occupation with employment growth between 2007 and 2010 is considered "recession-resilient."

Although there are more than 800 occupational codes in the Standard Occupational Classification (SOC) system,⁸ only 45 occupations met the criteria stated above and are considered recession-resilient jobs in this study.⁹ These recession-resilient jobs are arranged in descending order in the following exhibit, starting with occupations that have the greatest labor market demand (i.e., annual job openings).

Twenty-four of the 45 recession-resilient jobs are also "middle-skill jobs" as shown in Exhibit 2. Middle-skill jobs are generally occupations that require less than a bachelor's degree but more than a high school diploma as the typical entry-level education. However, there are some exceptions. The Centers of Excellence for Labor Market Research found that while employers may report that they require at least a bachelor's degree for certain occupations, a significant percentage of the workforce in those occupations have an associate degree or less, which implies that the community colleges could train for these occupations. These exceptions are included in the following exhibit with an asterisk.

⁶ "California Family Needs Calculator (formerly the Self-Sufficiency Standard)," Insight: Center for Community Economic Development, last updated 2018. insightcced.org/2018-self-sufficiency-standard.

⁷ The San Diego-Imperial COE typically analyzes entry-level earnings as opposed to median earnings in labor market reports. However, for the

purpose of this study, the earnings analysis expanded to median earnings because of the limited number of in-demand jobs during the Great Recession. ⁸ The Standard Occupational Classification (SOC) system is used by federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data. bls.gov/soc.

⁹ Emsi 2020.02; QCEW, Non-QCEW, Self-Employed.

	SOC	Occupational Title	Typical Entry-level Education	Annual Job Openings/Demand (2007-2010)	Entry-level Hourly Earnings	Median Hourly Earnings	2007-2010 % Job Change
1.	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	No formal educational credential	197	\$11.64	\$14.06	3%
2.	33-3012	Correctional Officers and Jailers*	High school diploma or equivalent	150	\$28.20	\$53.90	10%
3.	37-3011	Landscaping and Groundskeeping Workers	No formal educational credential	143	\$11.03	\$13.81	17%
4.	29-1141	Registered Nurses*	Bachelor's degree	133	\$35.33	\$42.02	46%
5.	41-1011	First-Line Supervisors of Retail Sales Workers*	High school diploma or equivalent	114	\$13.14	\$17.39	4%
6.	43-1011	First-Line Supervisors of Office and Administrative Support Workers*	High school diploma or equivalent	69	\$18.11	\$24.68	0%
7.	33-3021	Detectives and Criminal Investigators*	High school diploma or equivalent	67	\$39.98	\$39.99	14%
8.	13-1041	Compliance Officers	Bachelor's degree	66	\$29.42	\$39.99	4%
9.	43-4051	Customer Service Representatives*	High school diploma or equivalent	65	\$11.75	\$15.63	4%
10.	11-9199	Managers, All Other	Bachelor's degree	61	\$39.84	\$46.90	13%
11.	29-2061	Licensed Practical and Licensed Vocational Nurses*	Postsecondary non- degree award	56	\$19.18	\$22.72	24%
12.	11-1021	General and Operations Managers	Bachelor's degree	55	\$26.70	\$36.10	1%
13.	25-3097	Teachers and Instructors, All Other	Bachelor's degree	54	\$13.03	\$15.48	27%
14.	13-1199	Business Operations Specialists, All Other*	Bachelor's degree	49	\$15.58	\$29.67	2%
15.	25-3098	Substitute Teachers	Bachelor's degree	45	\$32.21	\$36.52	26%

Exhibit 2: Recession-Resilient Jobs in Imperial County

	SOC	Occupational Title	Typical Entry-level Education	Annual Job Openings/Demand (2007-2010)	Entry-level Hourly Earnings	Median Hourly Earnings	2007-2010 % Job Change
16.	31-9092	Medical Assistants*	Postsecondary non- degree award	44	\$12.81	\$14.41	42%
17.	21-1093	Social and Human Service Assistants*	High school diploma or equivalent	44	\$16.45	\$20.86	14%
18.	13-1111	Management Analysts	Bachelor's degree	32	\$30.01	\$35.43	15%
19.	33-9099	Protective Service Workers, All Other	High school diploma or equivalent	30	\$13.20	\$20.60	7%
20.	51-3011	<u>Bakers</u>	No formal educational credential	26	\$11.49	\$13.90	84%
21.	43-6013	Medical Secretaries*	High school diploma or equivalent	25	\$13.18	\$15.24	29%
22.	33-3051	Police and Sheriff's Patrol Officers*	High school diploma or equivalent	23	\$27.11	\$33.09	6%
23.	39-3011	Gaming Dealers	High school diploma or equivalent	22	\$13.54	\$13.54	8%
24.	19-1022	<u>Microbiologists</u>	Bachelor's degree	22	\$27.43	\$38.72	18%
25.	21-1012	Educational, Guidance, School, and Vocational Counselors	Master's degree	21	\$18.94	\$38.83	3%
26.	49-9051	Electrical Power-Line Installers and Repairers*	High school diploma or equivalent	21	\$23.17	\$35.25	78%
27.	41-1012	First-Line Supervisors of Non-Retail Sales Workers*	High school diploma or equivalent	21	\$13.01	\$21.90	7%
28.	27-3091	Interpreters and Translators*	Bachelor's degree	20	\$13.67	\$18.38	6%
29.	31-9011	Massage Therapists*	Postsecondary non- degree award	20	\$10.22	\$18.38	30%
30.	51-1011	First-Line Supervisors of Production and Operating Workers*	High school diploma or equivalent	20	\$18.56	\$32.14	2%

Exhibit 2: Recession-Resilient Jobs in Imperial County (Continued)

	SOC	Occupational Title	Typical Entry-level Education	Annual Job Openings/Demand (2007-2010)	Entry-level Hourly Earnings	Median Hourly Earnings	2007-2010 % Job Change
31.	43-4031	Court, Municipal, and License Clerks	High school diploma or equivalent	19	\$15.51	\$17.74	19%
32.	49-3042	<u>Mobile Heavy Equipment Mechanics, Except</u> <u>Engines</u> *	High school diploma or equivalent	18	\$19.40	\$25.58	5%
33.	35-2012	Cooks, Institution and Cafeteria	No formal educational credential	18	\$20.19	\$23.44	6%
34.	21-1029	Social Workers, All Other	Bachelor's degree	18	\$24.48	\$28.20	28%
35.	13-1071	Human Resources Specialists	Bachelor's degree	17	\$20.51	\$27.42	21%
36.	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers*	High school diploma or equivalent	17	\$14.05	\$21.81	16%
37.	53-6061	Transportation Attendants, Except Flight Attendants*	High school diploma or equivalent	17	\$23.23	\$28.67	106%
38.	41-9099	Sales and Related Workers, All Other*	High school diploma or equivalent	16	\$16.90	\$21.27	41%
39.	13-1028	Buyers and Purchasing Agents	Bachelor's degree	16	\$18.92	\$26.19	7%
40.	43-4061	Eligibility Interviewers, Government Programs	High school diploma or equivalent	16	\$20.54	\$23.17	18%
41.	31-9094	Medical Transcriptionists*	Postsecondary non- degree award	15	\$18.10	\$24.86	31%
42.	29-1061	<u>Anesthesiologists</u>	Doctoral or professional degree	15	\$179.02	\$245.60	45%
43.	29-2052	Pharmacy Technicians*	High school diploma or equivalent	15	\$15.11	\$17.27	16%
44.	49-3011	Aircraft Mechanics and Service Technicians*	Postsecondary non- degree award	15	\$22.74	\$29.98	125%
45.	29-1123	Physical Therapists	Doctoral or professional degree	15	\$21.61	\$33.93	59%

Exhibit 2: Recession-Resilient Jobs in Imperial County (Continued)

Pandemic-Resilient Jobs

For the purpose of this study, pandemic-resilient jobs are defined as jobs with the greatest number of online job postings per month between March 1 and December 31, 2020. The San Diego-Imperial COE reviewed nearly 5,000 online job postings during this period to identify the top 50 jobs each month in Imperial County. Between March and December 2020, 123 occupations out of 800+ from the SOC system made the monthly top 50 jobs list at least once (Exhibit 3). The list is organized in descending order, starting with occupations that appeared in the top 50 jobs list for all ten months. Additionally, to identify which pandemic-resilient jobs are **also** recession-resilient jobs, the San Diego-Imperial COE compared the list below with the list of 45 recession-resilient jobs identified in the previous section. Occupations that appeared in both lists are noted below with an asterisk (*).

	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
1.	Family and General Practitioners	•	•	•	•	•	•	•	•	•	•	10
2.	First-Line Supervisors of Retail Sales Workers*	•	•	•	•	•	•	•	•	•	•	10
3.	Heavy and Tractor-Trailer Truck Drivers	•	•	•	•	•	•	•	•	•	•	10
4.	Licensed Practical and Licensed Vocational Nurses*	•	•	•	•	•	•	•	•	•	•	10
5.	Nurse Practitioners	•	٠	•	•	•	•	•	•	•	•	10
6.	Physicians and Surgeons, All Other	•	•	•	•	•	•	•	•	•	•	10
7.	Registered Nurses*	•	•	•	٠	•	•	•	•	•	•	10
8.	Retail Salespersons	•	٠	٠	٠	٠	٠	٠	٠	•	•	10
9.	Sales Representatives, Wholesale & Manufac., Except Technical & Scientific Products	•	•	•	•	•	•	•	•	•	•	10
10.	Combined Food Preparation and Serving Workers, Including Fast Food	•	•	•	•	•	•	•	•		•	9
11.	Driver/Sales Workers		•	•	•	•	•	•	•	•	•	9
12.	Internists, General	•		•	•	•	•	•	•	•	•	9
13.	Janitors and Cleaners, Except Maids and Housekeeping Cleaners*	•	•	•	•	•		•	•	•	•	9

	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
14.	Laborers and Freight, Stock, and Material Movers, Hand	•	•	•	•	•	•	•	•	•		9
15.	Medical and Health Services Managers	•	•	•	•	•	•	•	•	•		9
16.	Speech-Language Pathologists	•		•	•	•	•	•	•	•	•	9
17.	Customer Service Representatives*	•	•		•	•	•		•	•	•	8
18.	Managers, All Other [*]	•		•	•	•	•	٠	•		•	8
19.	Merchandise Displayers and Window Trimmers		•	•	•	•	•	•	•	•		8
20.	Security Guards	•	•	•	•	•	•	•			•	8
21.	Cashiers	•	•			•		•	•	•	•	7
22.	Middle School Teachers, Except Special and Career/Technical Education	•		•	•	•	•	•		•		7
23.	Nursing Assistants	•		•	•	•			•	•	•	7
24.	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	•	•	•	•	•		•		•		7
25.	Stock Clerks and Order Fillers	•		•		•	•	•	•		•	7
26.	Coaches and Scouts	•	•	•	•		•		•			6
27.	Elementary School Teachers, Except Special Education	•	•	•		•		•	•			6
28.	Insurance Sales Agents			•	•		•	•	•	•		6
29.	Light Truck or Delivery Services Drivers	•			•	•		•	•		•	6
30.	Maintenance and Repair Workers, General	•		•			•	•		•	•	6
31.	Office Clerks, General	•				•	•		•	•	•	6
32.	Physician Assistants	•		•	•	•		•		•		6
33.	Accountants and Auditors						•	•	•	•	•	5

	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
34.	Food Service Managers		•		•			•		•	•	5
35.	Medical Assistants*	•					•	•	•		•	5
36.	Mental Health Counselors		•				•		•	•	•	5
37.	Obstetricians and Gynecologists		•			•	•		•	•		5
38.	Teacher Assistants	٠				•	٠	٠	•			5
39.	Teachers And Instructors, All Other, Except Substitute Teachers	•		•	•	•	•					5
40.	Automotive Service Technicians and Mechanics	•			•		•			•		4
41.	Computer Occupations, All Other	•		•	•				•			4
42.	Emergency Medical Technicians and Paramedics	•	•			•					•	4
43.	Pediatricians, General	٠	•		•			٠				4
44.	Phlebotomists	٠		٠		٠			٠			4
45.	Psychiatrists			•	•			•		•		4
46.	Tax Preparers						•	•	•	•		4
47.	Cardiovascular Technologists and Technicians	•			•						•	3
48.	Education Administrators, Elementary and Secondary School	•		•		•						3
49.	First-Line Supervisors of Food Preparation and Serving Workers			•						•	•	3
50.	Health Technologists and Technicians, All Other					•		•		•		3
51.	Massage Therapists*								•	•	•	3
52.	Medical and Clinical Laboratory Technologists	•					•		•			3
53.	Medical Scientists, Except Epidemiologists							•	•		•	3

	•											
	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Job
54.	Pharmacy Technicians*	•	•								•	3
55.	Physical Therapists*			•				•			•	3
56.	Respiratory Therapists					•				•	•	3
57.	Secondary School Teachers, Except Special and Career/Technical Education			•	•			•				3
58.	Special Education Teachers, All Other	•		•				٠				3
59.	Bill and Account Collectors						•				•	2
60.	Cooks, Restaurant				•				•			2
61.	Demonstrators and Product Promoters		•								•	2
62.	Detectives and Criminal Investigators*			•				•				2
63.	Educational, Guidance, School, and Vocational Counselors*				•						•	2
64.	Fine Artists, Including Painters, Sculptors, and Illustrators	•		•								2
65.	First-Line Supervisors of Police and Detectives						•			•		2
66.	General and Operations Managers*						•		•			2
67.	Heating, Air Conditioning, and Refrigeration Mechanics and Installers								•		•	2
68.	HelpersProduction Workers	•						•				2
69.	Inspectors, Testers, Sorters, Samplers, and Weighers							•		•		2
70.	Mail Clerks and Mail Machine Operators, Except Postal Service					•			•			2
71.	Medical and Clinical Laboratory Technicians		•						•			2
72.	Medical Records and Health Information Technicians				•		•					2
73.	Optometrists							•			•	2

Exhibit 3: Occupations that Made the Monthly Top 50 Jobs List in Imperial County, Mar-Dec 20	Exhibit 3: Occ	upations that Made the	e Monthly Top	50 Jobs List in Im	perial County	, Mar-Dec 2020
--	----------------	------------------------	---------------	--------------------	---------------	----------------

	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
74.	Pharmacists		•							•		2
75.	Postal Service Mail Carriers					•					•	2
76.	Postsecondary Teachers, All Other							•		•		2
77.	Property, Real Estate, and Community Association Managers			•						•		2
78.	Sales Managers							٠	•			2
79.	Telemarketers		•								•	2
80.	Word Processors and Typists	•					•					2
81.	Administrative Services Managers									•		1
82.	Adult Basic and Secondary Education and Literacy Teachers and Instructors					•						1
83.	Agricultural and Food Science Technicians		•									1
84.	Bookkeeping, Accounting, and Auditing Clerks	•										1
85.	Commercial Pilots										•	1
86.	Construction Laborers										•	1
87.	Construction Managers	•										1
88.	Counter and Rental Clerks				•							1
89.	Couriers and Messengers								•			1
90.	Dental Assistants	•										1
91.	Diagnostic Medical Sonographers										•	1
92.	Dietitians and Nutritionists					•						1
93.	Dining Room and Cafeteria Attendants and Bartender Helpers										•	1

	•			<i>·</i> ·				• •				
	Occupational Title	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
94.	Editors		•									1
95.	Electrical Engineers		•									1
96.	Engineering Technicians, Except Drafters, All Other				•							1
97.	First-Line Supervisors of Mechanics, Installers, and Repairers								•			1
98.	First-Line Supervisors of Office and Administrative Support Workers*										•	1
99.	Healthcare Social Workers					•						1
100.	Industrial Engineering Technicians			•								1
101.	Industrial Machinery Mechanics					•						1
102.	Industrial Truck and Tractor Operators										•	1
103.	Installation, Maintenance, and Repair Workers, All Other					•						1
104.	Interpreters and Translators*		•									1
105.	Landscaping and Groundskeeping Workers*							•				1
106.	Magnetic Resonance Imaging Technologists		•									1
107.	Marketing Managers			•								1
108.	Millwrights										•	1
109.	Nonfarm Animal Caretakers						•					1
110.	Operating Engineers and Other Construction Equipment Operators		•									1
111.	Operations Research Analysts										٠	1
112.	Physical Therapist Assistants						•					1
113.	Postal Service Clerks				•							1
										*	also rece	ssion-resilient

	Occupational Title		Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	# of Months in the Top 50 Jobs
114.	Production Workers, All Other		٠									1
115.	Prosthodontists	•										1
116.	Securities, Commodities, and Financial Services Sales Agents							•				1
117.	Self-Enrichment Education Teachers				•							1
118.	Shipping, Receiving, and Traffic Clerks								•			1
119.	Software Developers, Applications							•				1
120.	Training and Development Specialists							•				1
121.	Travel Agents					•						1
122.	Tree Trimmers and Pruners									•		1
123.	Waiters and Waitresses								•			1

Recession- and Pandemic-Resilient, Middle-Skill Jobs

Finally, of the occupations that were **both** recession-resilient and pandemic-resilient, middle-skill jobs or jobs trainable by community colleges are noted below with an asterisk (*).

Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings
Customer Service Representatives*	High school diploma or equivalent	\$11.75	\$15.63
Detectives and Criminal Investigators*	High school diploma or equivalent	\$39.98	\$39.99
Educational, Guidance, School, and Vocational Counselors	Master's degree	\$18.94	\$38.83
First-Line Supervisors of Retail Sales Workers*	High school diploma or equivalent	\$13.14	\$17.39
General and Operations Managers	Bachelor's degree	\$26.70	\$36.10
Interpreters and Translators*	Bachelor's degree	\$13.67	\$18.38
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	No formal educational credential	\$11.64	\$14.06
Landscaping and Groundskeeping Workers	No formal educational credential	\$11.03	\$13.81
Licensed Practical and Licensed Vocational Nurses*	Postsecondary non-degree award	\$19.18	\$22.72
Managers, All Other	Bachelor's degree	\$39.84	\$46.90
Medical Assistants*	Postsecondary non-degree award	\$12.81	\$14.41
Pharmacy Technicians*	High school diploma or equivalent	\$15.11	\$17.27
Physical Therapists	Doctoral or professional degree	\$21.61	\$33.93
Registered Nurses*	Bachelor's degree	\$35.33	\$42.02
	Customer Service Representatives*Detectives and Criminal Investigators*Educational, Guidance, School, and Vocational CounselorsFirst-Line Supervisors of Retail Sales Workers*General and Operations ManagersInterpreters and Translators*Janitors and Cleaners, Except Maids and Housekeeping CleanersLandscaping and Groundskeeping WorkersLicensed Practical and Licensed Vocational Nurses*Managers, All OtherMedical Assistants*Pharmacy Technicians*	Customer Service Representatives*High school diploma or equivalentDetectives and Criminal Investigators*High school diploma or equivalentEducational, Guidance, School, and Vocational CounselorsMaster's degreeFirst-Line Supervisors of Retail Sales Workers*High school diploma or equivalentGeneral and Operations ManagersBachelor's degreeInterpreters and Translators*Bachelor's degreeJanitors and Cleaners, Except Maids and Housekeeping CleanersNo formal educational credentialLicensed Practical and Licensed Vocational Nurses*Postsecondary non-degreeManagers, All OtherBachelor's degreeMedical Assistants*Postsecondary non-degree awardPharmacy Technicians*Doctoral or professional degree	Occupational TitleTypical Entry-level EducationHourly EarningsCustomer Service Representatives*High school diploma or equivalent\$11.75Detectives and Criminal Investigators*High school diploma or equivalent\$39.98Educational, Guidance, School, and Vocational CounselorsMaster's degree\$18.94First-Line Supervisors of Retail Sales Workers*High school diploma or equivalent\$13.14General and Operations ManagersBachelor's degree\$13.67Janitors and Cleaners, Except Maids

Exhibit 4: Recession- and Pandemic-Resilient Jobs in Imperial County

Conclusion

This study provides an overview of jobs that appeared resilient during economic downturns. The San Diego-Imperial COE encourages stakeholders to use this study as a resource for meaningful and engaging discussions. It may be argued that middle-skill jobs in this study are above-middle-skill or below-middle-skill jobs. However, instead of focusing on the nuances and naming conventions, the San Diego-Imperial COE produced this study in hopes that it would provide guidance for the community colleges as they prioritize and develop programs for students to become more resilient in the labor market.

The previous sections in this study identify recession-resilient and pandemic-resilient jobs for all levels of educational attainment. However, for the San Diego and Imperial Counties Community Colleges, the San Diego-Imperial COE recommends prioritizing programs that train for the following occupations, which are recession-resilient, pandemic-resilient, and middle-skill jobs—or potentially trainable by community colleges (Exhibit 5). It is important to note that this study analyzes the *labor market demand* for jobs and does not compare demand with supply. If the region's community colleges decide to create a new program for any of these occupations, then the San Diego-Imperial COE recommends conducting a supply gap analysis, which compares demand with supply.

	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings
1.	Customer Service Representatives	High school diploma or equivalent	\$11.75	\$15.63
2.	Detectives and Criminal Investigators	High school diploma or equivalent	\$39.98	\$39.99
3.	First-Line Supervisors of Retail Sales Workers	High school diploma or equivalent	\$13.14	\$17.39
4.	Interpreters and Translators	Bachelor's degree	\$13.67	\$18.38
5.	Licensed Practical and Licensed Vocational Nurses	Postsecondary non-degree award	\$19.18	\$22.72
6.	Medical Assistants	Postsecondary non-degree award	\$12.81	\$14.41
7.	Pharmacy Technicians	High school diploma or equivalent	\$15.11	\$17.27
8.	Registered Nurses	Bachelor's degree	\$35.33	\$42.02

Appendix A: Pandemic-Resilient Jobs Data

The 123 pandemic-resilient jobs identified in this study are provided below. Links to each occupation's description are also provided.¹⁰

1. 29-1062 Family and General Practitioners Doctoral or professional degree N/ 2. 41-1011 First-Line Supervisors of Retail Sales Workers* High school diploma or equivalent \$1	/A	N/A	10
	3.14		
	-	\$17.39	10
3. 53-3032 <u>Heavy and Tractor-Trailer Truck Drivers*</u> Postsecondary non-degree award \$1	5.03	\$20.33	10
4. 29-2061 Licensed Practical and Licensed Vocational Nurses* Postsecondary non-degree award \$1	9.18	\$22.72	10
5.29-1171Nurse PractitionersMaster's degree\$5	51.31	\$56.88	10
6. 29-1069 Physicians and Surgeons, All Other Doctoral or professional degree \$8	37.15	\$96.24	10
7.29-1141Registered Nurses*Bachelor's degree\$3	35.33	\$42.02	10
8. 41-2031 Retail Salespersons No formal educational credential \$1	1.33	\$11.96	10
9. 41-4012 Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products* High school diploma or equivalent \$1	5.58	\$26.18	10
10. 35-3021 Combined Food Preparation and Serving Workers, Including Fast Food No formal educational credential \$1	1.36	\$11.98	9
11. 53-3031 Driver/Sales Workers High school diploma or equivalent \$1	4.26	\$16.88	9
12.29-1063Internists, GeneralDoctoral or professional degreeN/	/A	N/A	9
13.37-2011Janitors and Cleaners, Except Maids and Housekeeping CleanersNo formal educational credential\$1	1.64	\$14.06	9
14. 53-7062 Laborers and Freight, Stock, and Material Movers, Hand No formal educational credential \$1	1.04	\$12.40	9
15.11-9111Medical and Health Services ManagersBachelor's degree\$3	33.65	\$48.72	9

Exhibit A: Pandemic-Resilient Jobs in Imperial County

¹⁰ Emsi 2020.02; QCEW, Non-QCEW, Self-Employed.

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
16.	29-1127	Speech-Language Pathologists	Master's degree	\$28.82	\$36.06	9
17.	43-4051	Customer Service Representatives*	High school diploma or equivalent	\$11.75	\$15.63	8
18.	11-9199	Managers, All Other	Bachelor's degree	\$39.84	\$46.90	8
19.	27-1026	Merchandise Displayers and Window Trimmers	High school diploma or equivalent	\$12.46	\$14.67	8
20.	33-9032	Security Guards	High school diploma or equivalent	\$11.33	\$11.90	8
21.	41-2011	<u>Cashiers</u>	No formal educational credential	\$11.33	\$11.89	7
22.	25-2022	<u>Middle School Teachers, Except Special and</u> <u>Career/Technical Education</u>	Bachelor's degree	\$24.90	\$33.34	7
23.	31-1014	Nursing Assistants*	Postsecondary non-degree award	\$11.40	\$13.13	7
24.	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive*	High school diploma or equivalent	\$13.99	\$19.53	7
25.	43-5081	Stock Clerks and Order Fillers	High school diploma or equivalent	\$11.49	\$12.32	7
26.	27-2022	Coaches and Scouts	Bachelor's degree	\$34.29	\$43.29	6
27.	25-2021	Elementary School Teachers, Except Special Education	Bachelor's degree	\$32.55	\$41.65	6
28.	41-3021	Insurance Sales Agents*	High school diploma or equivalent	\$15.11	\$22.71	6
29.	53-3033	Light Truck or Delivery Services Drivers	High school diploma or equivalent	\$11.85	\$14.92	6
30.	49-9071	Maintenance and Repair Workers, General*	High school diploma or equivalent	\$13.01	\$17.61	6
31.	43-9061	Office Clerks, General	High school diploma or equivalent	\$11.70	\$14.43	6
32.	29-1071	Physician Assistants	Master's degree	N/A	N/A	6
33.	13-2011	Accountants and Auditors	Bachelor's degree	\$24.07	\$29.38	5

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
34.	11-9051	Food Service Managers*	High school diploma or equivalent	\$13.10	\$20.53	5
35.	31-9092	<u>Medical Assistants*</u>	Postsecondary non-degree award	\$12.81	\$14.41	5
36.	21-1014	Mental Health Counselors	Master's degree	\$11.82	\$25.52	5
37.	29-1064	Obstetricians and Gynecologists	Doctoral or professional degree	N/A	N/A	5
38.	25-9041	Teacher Assistants*	Some college, no degree	\$15.68	\$18.05	5
39.	25-3099	<u>Teachers And Instructors, All Other, Except Substitute</u> <u>Teachers</u>	Bachelor's degree	\$13.84	\$17.48	5
40.	49-3023	Automotive Service Technicians and Mechanics*	Postsecondary non-degree award	\$11.24	\$17.60	4
41.	15-1199	Computer Occupations, All Other*	Bachelor's degree	\$22.16	\$32.13	4
42.	29-2041	Emergency Medical Technicians and Paramedics*	Postsecondary non-degree award	\$15.11	\$21.61	4
43.	29-1065	Pediatricians, General	Doctoral or professional degree	N/A	N/A	4
44.	31-9097	Phlebotomists*	Postsecondary non-degree award	\$17.30	\$20.19	4
45.	29-1066	<u>Psychiatrists</u>	Doctoral or professional degree	N/A	N/A	4
46.	13-2082	Tax Preparers*	High school diploma or equivalent	\$12.60	\$15.13	4
47.	19-4011	Agricultural and Food Science Technicians*	Associate degree	\$14.91	\$19.07	3
48.	29-2031	Cardiovascular Technologists and Technicians*	Associate degree	\$0.00	\$0.00	3
49.	11-9032	Education Administrators, Elementary and Secondary School	Master's degree	\$54.39	\$65.12	3
50.	35-1012	First-Line Supervisors of Food Preparation and Serving Workers*	High school diploma or equivalent	\$12.62	\$14.42	3
51.	29-2099	Health Technologists and Technicians, All Other*	Postsecondary non-degree award	\$14.59	\$16.74	3

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
52.	31-9011	Massage Therapists*	Postsecondary non-degree award	\$10.22	\$18.38	3
53.	29-2011	Medical and Clinical Laboratory Technologists*	Bachelor's degree	\$13.33	\$21.15	3
54.	29-2052	Pharmacy Technicians*	High school diploma or equivalent	\$15.11	\$17.27	3
55.	29-1123	Physical Therapists	Doctoral or professional degree	\$21.61	\$33.93	3
56.	29-1126	Respiratory Therapists*	Associate degree	\$14.37	\$16.24	3
57.	25-2031	Secondary School Teachers, Except Special and Career/Technical Education	Bachelor's degree	\$31.54	\$39.93	3
58.	25-2059	Special Education Teachers, All Other	Bachelor's degree	N/A	N/A	3
59.	43-3011	Bill and Account Collectors*	High school diploma or equivalent	\$11.55	\$12.71	2
60.	35-2014	Cooks, Restaurant	No formal educational credential	\$11.55	\$13.09	2
61.	41-9011	Demonstrators and Product Promoters	No formal educational credential	\$28.30	\$30.36	2
62.	33-3021	Detectives and Criminal Investigators*	High school diploma or equivalent	\$39.98	\$39.99	2
63.	21-1012	Educational, Guidance, School, and Vocational Counselors	Master's degree	\$18.94	\$38.83	2
64.	27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	Bachelor's degree	N/A	N/A	2
65.	33-1012	First-Line Supervisors of Police and Detectives*	High school diploma or equivalent	\$60.95	\$68.10	2
66.	11-1021	General and Operations Managers	Bachelor's degree	\$26.70	\$36.10	2
67.	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers*	Postsecondary non-degree award	\$15.76	\$20.36	2
68.	51-9198	HelpersProduction Workers	High school diploma or equivalent	\$11.67	\$13.14	2

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
69.	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers*	High school diploma or equivalent	\$13.31	\$17.90	2
70.	43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	High school diploma or equivalent	\$11.24	\$11.29	2
71.	29-2012	Medical and Clinical Laboratory Technicians*	Bachelor's degree	\$13.33	\$21.15	2
72.	29-2071	Medical Records and Health Information Technicians*	Postsecondary non-degree award	\$15.14	\$20.86	2
73.	29-1041	<u>Optometrists</u>	Doctoral or professional degree	N/A	N/A	2
74.	29-1051	<u>Pharmacists</u>	Doctoral or professional degree	\$62.04	\$68.69	2
75.	43-5052	Postal Service Mail Carriers	High school diploma or equivalent	\$17.79	\$29.98	2
76.	25-1099	Postsecondary Teachers, All Other	Doctoral or professional degree	\$15.59	\$22.72	2
77.	11-9141	Property, Real Estate, and Community Association Managers*	High school diploma or equivalent	\$18.09	\$28.47	2
78.	11-2022	<u>Sales Managers</u>	Bachelor's degree	\$26.77	\$36.05	2
79.	41-9041	<u>Telemarketers</u>	No formal educational credential	N/A	N/A	2
80.	43-9022	Word Processors and Typists	High school diploma or equivalent	\$11.01	\$11.85	2
81.	11-3011	Administrative Services Managers*	Bachelor's degree	\$24.00	\$45.66	1
82.	25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	Bachelor's degree	\$57.89	\$62.60	1
83.	43-3031	Bookkeeping, Accounting, and Auditing Clerks*	Some college, no degree	\$13.81	\$17.09	1
84.	53-2012	Commercial Pilots*	High school diploma or equivalent	\$26.26	\$35.12	1
85.	47-2061	Construction Laborers	No formal educational credential	\$12.80	\$16.29	1

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
86.	11-9021	Construction Managers*	Bachelor's degree	\$21.09	\$31.77	1
87.	41-2021	Counter and Rental Clerks	No formal educational credential	\$11.62	\$13.89	1
88.	43-5021	Couriers and Messengers	High school diploma or equivalent	\$11.00	\$14.14	1
89.	31-9091	Dental Assistants*	Postsecondary non-degree award	\$15.54	\$18.92	1
90.	29-2032	Diagnostic Medical Sonographers*	Associate degree	N/A	N/A	1
91.	29-1031	Dietitians and Nutritionists	Bachelor's degree	\$16.30	\$18.06	1
92.	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	No formal educational credential	\$11.28	\$11.74	1
93.	27-3041	Editors	Bachelor's degree	\$12.29	\$24.15	1
94.	17-2071	Electrical Engineers	Bachelor's degree	\$62.35	\$70.61	1
95.	17-3029	Engineering Technicians, Except Drafters, All Other*	Associate degree	N/A	N/A	1
96.	49-1011	First-Line Supervisors of Mechanics, Installers, and <u>Repairers*</u>	High school diploma or equivalent	\$27.61	\$36.56	1
97.	43-1011	First-Line Supervisors of Office and Administrative Support Workers*	High school diploma or equivalent	\$18.11	\$24.68	1
98.	21-1022	Healthcare Social Workers	Master's degree	\$20.51	\$23.55	1
99.	17-3026	Industrial Engineering Technicians*	Associate degree	N/A	N/A	1
100.	49-9041	Industrial Machinery Mechanics*	High school diploma or equivalent	\$18.59	\$23.23	1
101.	53-7051	Industrial Truck and Tractor Operators	No formal educational credential	\$12.14	\$16.78	1
102.	49-9099	Installation, Maintenance, and Repair Workers, All Other	High school diploma or equivalent	\$11.57	\$17.45	1
103.	27-3091	Interpreters and Translators*	Bachelor's degree	\$13.67	\$18.38	1
104.	37-3011	Landscaping and Groundskeeping Workers	No formal educational credential	\$11.03	\$13.81	1

	SOC	Occupational Title	Typical Entry-level Education	Entry-level Hourly Earnings	Median Hourly Earnings	# of Months in the Top 50 Jobs
105.	29-2035	Magnetic Resonance Imaging Technologists*	Associate degree	\$0.00	\$0.00	1
106.	11-2021	Marketing Managers	Bachelor's degree	\$32.88	\$55.79	1
107.	19-1042	Medical Scientists, Except Epidemiologists	Doctoral or professional degree	\$41.04	\$46.51	1
108.	49-9044	<u>Millwrights*</u>	High school diploma or equivalent	N/A	N/A	1
109.	39-2021	Nonfarm Animal Caretakers	High school diploma or equivalent	\$8.23	\$13.64	1
110.	47-2073	Operating Engineers and Other Construction Equipment Operators*	High school diploma or equivalent	\$17.62	\$22.13	1
111.	15-2031	Operations Research Analysts	Bachelor's degree	N/A	N/A	1
112.	31-2021	Physical Therapist Assistants*	Associate degree	N/A	N/A	1
113.	43-5051	Postal Service Clerks	High school diploma or equivalent	\$22.84	\$28.90	1
114.	51-9199	Production Workers, All Other	High school diploma or equivalent	\$11.58	\$13.53	1
115.	29-1024	<u>Prosthodontists</u>	Doctoral or professional degree	\$0.00	\$0.00	1
116.	41-3031	Securities, Commodities, and Financial Services Sales Agents	Bachelor's degree	\$17.41	\$22.40	1
117.	25-3021	Self-Enrichment Education Teachers	High school diploma or equivalent	\$14.35	\$24.17	1
118.	43-5071	Shipping, Receiving, and Traffic Clerks	High school diploma or equivalent	\$11.52	\$12.72	1
119.	15-1132	Software Developers, Applications	Bachelor's degree	\$48.08	\$59.40	1
120.	13-1151	Training and Development Specialists*	Bachelor's degree	\$14.83	\$17.70	1
121.	41-3041	Travel Agents*	High school diploma or equivalent	N/A	N/A	1
122.	37-3013	Tree Trimmers and Pruners	High school diploma or equivalent	\$11.01	\$11.71	1
123.	35-3031	Waiters and Waitresses	No formal educational credential	\$11.28	\$11.78	1

Appendix B: Community College Programs Related to Recession-Resilient Jobs

The San Diego and Imperial Counties Community Colleges have existing programs that *could* train job seekers for recession-resilient, middle-skill jobs. The San Diego-Imperial COE reviewed Taxonomy of Programs (TOP) codes to identify which community colleges offer programs *related* to the recession-resilient jobs.¹¹ Program developers and other stakeholders **should confirm that the region's colleges actually train for the specific occupations listed below**. (To find program titles as they are listed in the community college catalog system, visit <u>coci2.ccctechcenter.org/programs</u> and search by the college name and TOP code as listed below.)

Imperial Valley Palomar San Diego Miramar Southwestern Grossmont Imperial Valley MiraCosta Palomar San Diego City
Imperial Valley MiraCosta Palomar San Diego City
Southwestern
Grossmont Imperial Valley ons and MiraCosta Palomar San Diego Mesa
N/A Imperial Valley Southwestern
N/A
N/A N/A

¹¹ TOP data comes from the California Community Colleges Chancellor's Office MIS Data Mart (datamart.cccco.edu).

Occupational Title	Related TOP Code & Title	Community College(s) with a Program in Related TOP Code
7. Licensed Practical and Licensed Vocational Nurses	1020.00	Imperial Valley
	1230.20 Licensed Vocational Nursing	MiraCosta
		Southwestern
		Сиуатаса
		MiraCosta
	0506.40 Small Business and Entrepreneurship	San Diego City
		San Diego Continuing Education
		San Diego Mesa
		San Diego Miramar
		Southwestern
		Grossmont
8. Business Operations	050/ 50	Imperial Valley
Specialists, All Other	0506.50 Retail Store Operations and	MiraCosta
	Management	Palomar
		San Diego Mesa
		Grossmont
	0508.00	Palomar
	International Business and Trade	Southwestern
	- 0.500 70	Southwestern
	0509.70 E-Commerce (Business Emphasis)	Southwestern
9. Medical Assistants	1208.00 Medical Assisting	Imperial Valley
		San Diego Mesa
		Southwestern
	1208.10 Clinical Medical Assisting	Southwestern
	1261.00 Community Health Care Worker	Southwestern
	1301.00 Family and Consumer Sciences, General	San Diego City
	1305.60 Parenting and Family Education 1305.70 Foster and Kinship Care	N/A
		Palomar
10. Social and Human Service Assistants	1308.00	N/A
	Family Studies 2104.00 Human Services	Southwestern
		Сиуатаса
	2104.40	MiraCosta
	Alcohol and Controlled Substances	San Diego City
	Aconor and Controlled obsidities	Southwestern
	2104.50 Disability Services	Imperial Valley
		Palomar Sam Diana Citu
		San Diego City

Occupational Title	Related TOP Code & Title	Community College(s) with a Program in Related TOP Code
11. Medical Secretaries	0514.20	San Diego Continuing Education
	Medical Office Technology	San Diego Mesa
		MiraCosta
	1208.20 Administrative Medical Assisting	San Diego Continuing Education
		Southwestern
12. Police and Sheriff's Patrol Officers		Imperial Valley
	2105.50	Palomar
	Police Academy	San Diego Miramar
	Tonce Academy	Southwestern
	0024.40	Soumwestern
	0934.40 Electrical Systems and Power	Imperial Valley
13. Electrical Power-Line	Transmissions	San Diego City
Installers and Repairers	0952.20	Palomar
	Electrical	San Diego City
	0509.40	
14. First-Line Supervisors of Non-	Sales and Salesmanship	Imperial Valley
Retail Sales Workers	0509.60	
	Display	N/A
	0607.00	N/A
	Technical Communication	N/A
15. Interpreters and Translators	0850.10	Palomar
	Sign Language Interpreting	San Diego Mesa
	2140.00	Southwestern
	Legal and Community Interpretation	Soomwestern
16. Massage Therapists	1262.00	MiraCosta
	Massage Therapy	
17. First-Line Supervisors of	0945.00	N1 / A
Production and Operating Workers	Industrial Systems Technology and	N/A
vvorkers	Maintenance 0116.00	
	Agricultural Power Equipment Technology	N/A
18. Mobile Heavy Equipment	0947.20	
Mechanics, Except Engines	Heavy Equipment Maintenance	San Diego Miramar
	0947.30	N/A
	Heavy Equipment Operation	N/A
	0109.00	Cuyamaca
	Horticulture	MiraCosta
		Сиуатаса
	0109.10	MiraCosta
19. First-Line Supervisors of	Landscape Design and Maintenance	Southwestern
Landscaping, Lawn Service, and		Сиуатаса
Groundskeeping Workers	0109.30	MiraCosta
	Nursery Technology	Southwestern
	0109.40 Turfunnus Tarkurda av	Cuyamaca
	Turfgrass Technology	Southwestern

Occupational Title	Related TOP Code & Title	Community College(s) with a Program in Related TOP Code
20. Transportation Attendants,	3009.00	Southwestern
Except Flight Attendants	Travel Services and Tourism	
21. Sales and Related Workers,	0509.40	Imperial Valley
All Other	Sales and Salesmanship	
	0514.20	San Diego Continuing Education
	Medical Office Technology	San Diego Mesa
22. Medical Transcriptionists	1223.10	San Diego Mesa
	Health Information Coding	Southwestern
22 Pharman Technicians	1221.00	Imperial Valley
23. Pharmacy Technicians	Pharmacy Technology	
	0950.00	San Diego Miramar
	Aeronautical and Aviation Technology	San Diego Mirainai
	0950.10	San Diego Miramar
24. Aircraft Mechanics and	Aviation Airframe Mechanics	San Diego Mirainai
Service Technicians	0950.20	San Diego Miramar
	Aviation Powerplant Mechanics	
	0950.50	N/A
	Aircraft Fabrication	



Important Disclaimers

All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. This study examines the most recent data available at the time of the analysis; 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 the report 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.

This workforce demand report uses state and federal job projection data that was developed before the economic impact of COVID-19. The COE is monitoring the situation and will provide more information as it becomes available. Please consult with local employers to understand their current employment needs.

Prepared by:

Tina Ngo Bartel, Director John Edwards, Research Analyst San Diego-Imperial Center of Excellence for Labor Market Research





