

California State University, Fullerton

2020 Occupational Trends and Outlook

This report explores trends and outlook in occupations within the counties surrounding California State University, Fullerton (CSUF): Los Angeles County, Orange County, Riverside County, and San Bernardino County. The jobs examined in this report exclude those who identified themselves as being self-employed. Understanding major trends and projections in jobs can help CSUF evaluate the long-term occupational outlook of careers for which CSUF is preparing their students. It can also be used to evaluate the potential impact of CSUF programs on students' post-graduation outcomes. The data used for this report have been compiled by Economic Modeling (Emsi), which utilizes various labor market data from government sources (e.g., US Census Bureau, Bureau of Labor Statistics), as well as real-time labor market data (e.g., job advertisements posted by employers, online profiles and resumes created by job seekers and students).

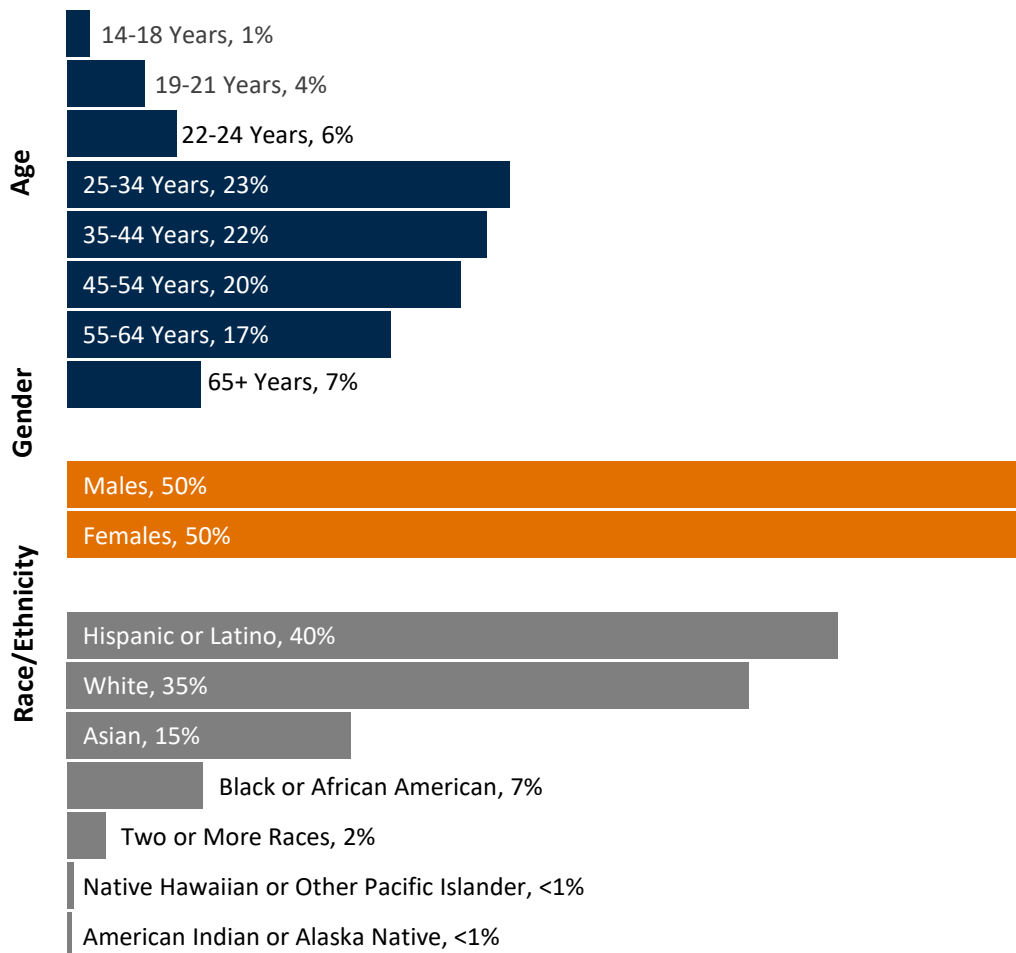
Trend in Jobs Within Service Region: Overview

There was a total of 7,502,518 jobs within the service region in 2020 (see Table 1). Almost two-thirds of the workforce were between 25 and 54 years of age (see Table 1 and Figure 1). The greatest percentage of the workforce was Hispanic (40%), followed by White (35%) and Asian (15%).

Table 1. 2020 Regional Workforce Demographics

		%	#
Age	14-18	1%	89,520
	19-21	4%	302,319
	22-24	6%	426,372
	25-34	23%	1,726,576
	35-44	22%	1,638,546
	45-54	20%	1,536,795
	55-64	17%	1,263,481
	65+	7%	518,909
Gender	Male	50%	3,754,188
	Female	50%	3,748,330
Race/ Ethnicity	Hispanic or Latino	40%	3,007,541
	White	35%	2,661,309
	Asian	15%	1,108,404
	Black or African American	7%	530,417
	Two or More Races	2%	149,389
	Native Hawaiian or Other Pacific Islander	0.35%	26,001
	American Indian or Alaska Native	0.26%	19,458
Total			7,502,518

Figure 1. 2020 Regional Workforce Demographics



The four counties altogether experienced an 8% growth in jobs from 2015 to 2019, before experiencing a considerable decrease in jobs in 2020 (by 7%). This decrease coincides with the COVID-19 pandemic that resulted in the enforcement of stay-at-home orders. The number of jobs is expected to grow slowly, by 2.6% between 2020 and 2025.

Figure 2. Trend in Total Number of Jobs in Service Region

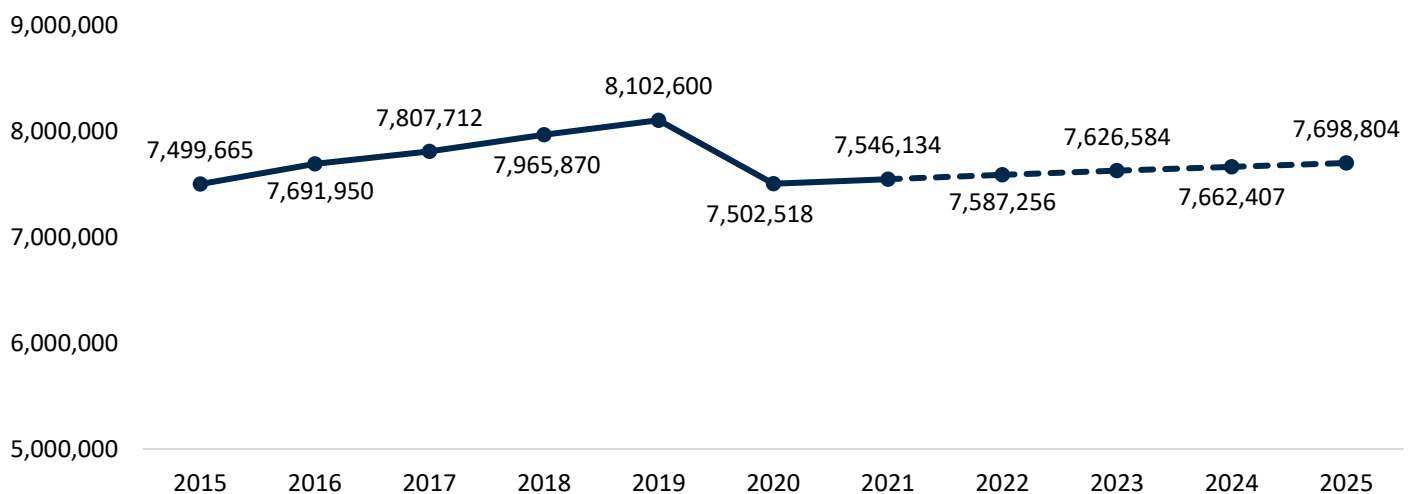
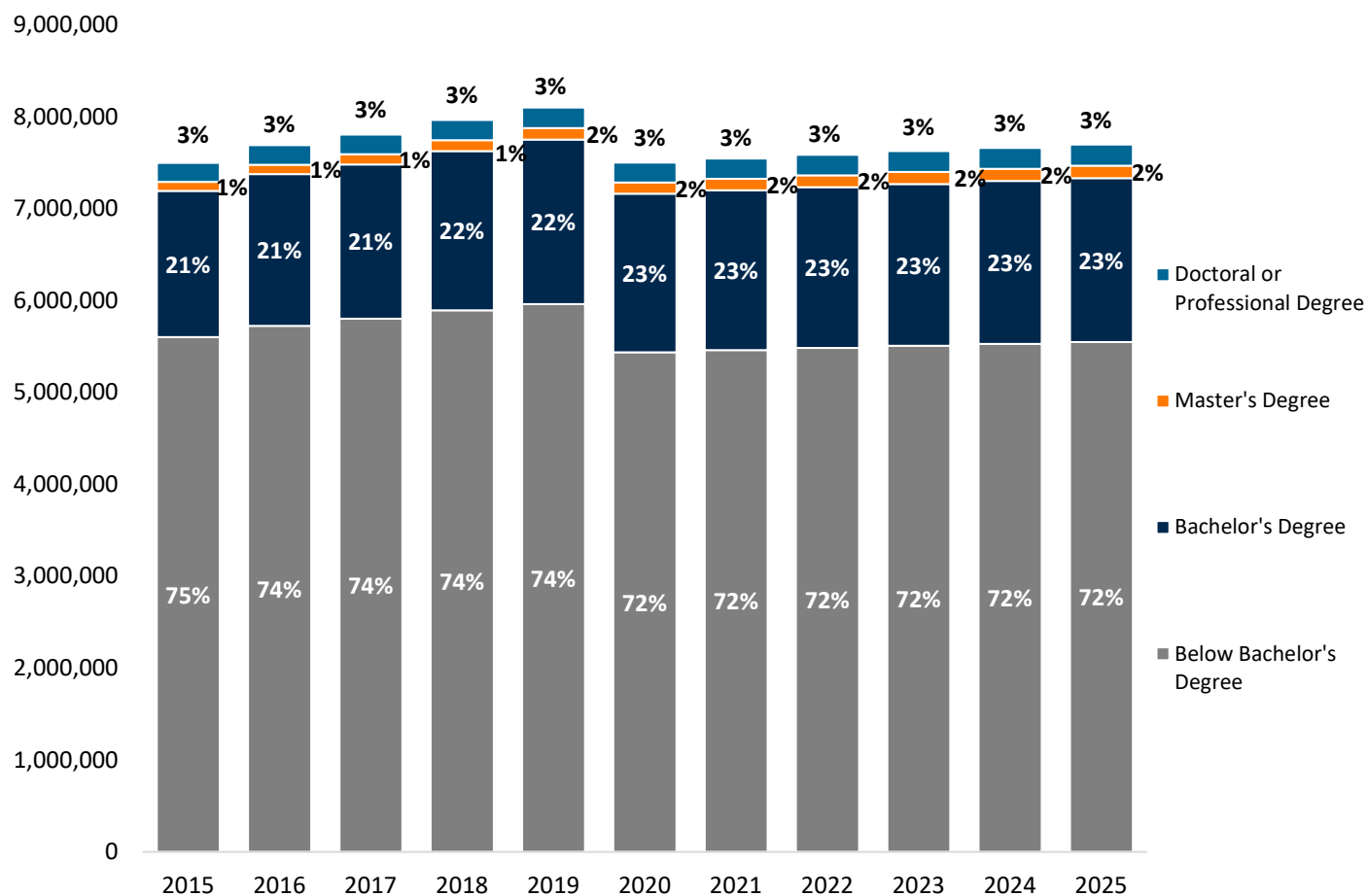


Figure 3 depicts trends in the number of jobs in service region by typical entry level of education. The greatest percentage of jobs continue to require less than a Bachelor's degree (72%), followed by Bachelor's degree (23%), Doctoral or professional degree (3%), and Master's degree (3%). This trend is expected to continue into 2025.

*Figure 3. Trend in Number of Jobs in Service Region, by Typical Entry Level of Education**



*Note. Typical entry level of education is reported at the national level; alternate paths to employment may exist in a region of study.

Trend in Jobs Served by California State University Fullerton

The next section focuses specifically on the trend in jobs that programs offered at CSUF can serve within CSUF's service region. It examines jobs whose typical entry level of education is at least a Bachelor's degree. The report utilized the program-to-occupation mapping Emsi developed based on the CIP-to-SOC crosswalk developed by the National Center for Education Statistics and U.S. Bureau of Labor Statistics¹. The overview of programs section shows jobs that can be served by CSUF's programs, followed by sections showing the jobs based on typical entry level of education.

¹ Please note that this crosswalk may be broad in nature, and may not entirely reflect the career pathways that are relevant for CSUF graduates. Please feel free to consult with the Office of Assessment and Institutional Effectiveness to receive a report with customized CIP-to-SOC mappings that more accurately reflect career pathways that CSUF prepares their students for.

Overview of Programs

Table 2 and Figure 4 show trends in jobs within the service region that can be served by degree programs (i.e., Bachelor, Master's, and Doctorate) offered at CSUF as well as those that are not served by CSUF programs. Table 3 shows the percentage of jobs that can be served by CSUF. The jobs represent those that identify Bachelor's degree or higher as typical level of entry education. About 84% of the jobs available within the service region are jobs for which CSUF can prepare their students.

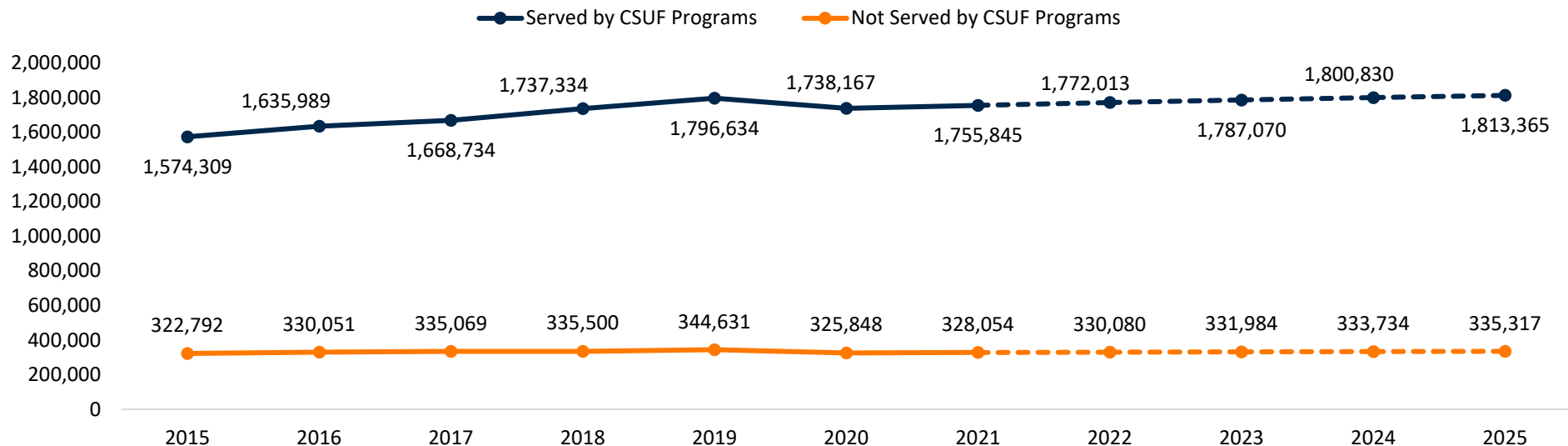
Table 2. Number of Jobs Served or Not Served by CSUF Programs, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Served by CSUF	1,574,309	1,635,989	1,668,734	1,737,334	1,796,634	1,738,167	1,755,845	1,772,013	1,787,070	1,800,830	1,813,365
Not Served by CSUF Programs	322,792	330,051	335,069	335,500	344,631	325,848	328,054	330,080	331,984	333,734	335,317
Total	1,897,101	1,966,040	2,003,803	2,072,834	2,141,265	2,064,014	2,083,899	2,102,093	2,119,054	2,134,564	2,148,682

Table 3. Percentage of Jobs Served by CSUF Programs, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage of Jobs Served by CSUF	83.0%	83.2%	83.3%	83.8%	83.9%	84.2%	84.3%	84.3%	84.3%	84.4%	84.4%

Figure 4. Trend in Number of Jobs Served or Not Served by CSUF Programs, 2014 to 2024



Bachelor's Degree

Table 4 and Figure 5 show trends in jobs that can be served by bachelor programs offered at CSUF as well as those that are not served by CSUF programs. Table 5 shows the percentage of jobs that are served by CSUF bachelor programs. The jobs represent those that identify Bachelor's degree as the typical level of entry education. About 85% of the jobs available within the service region are jobs for which CSUF can prepare their students.

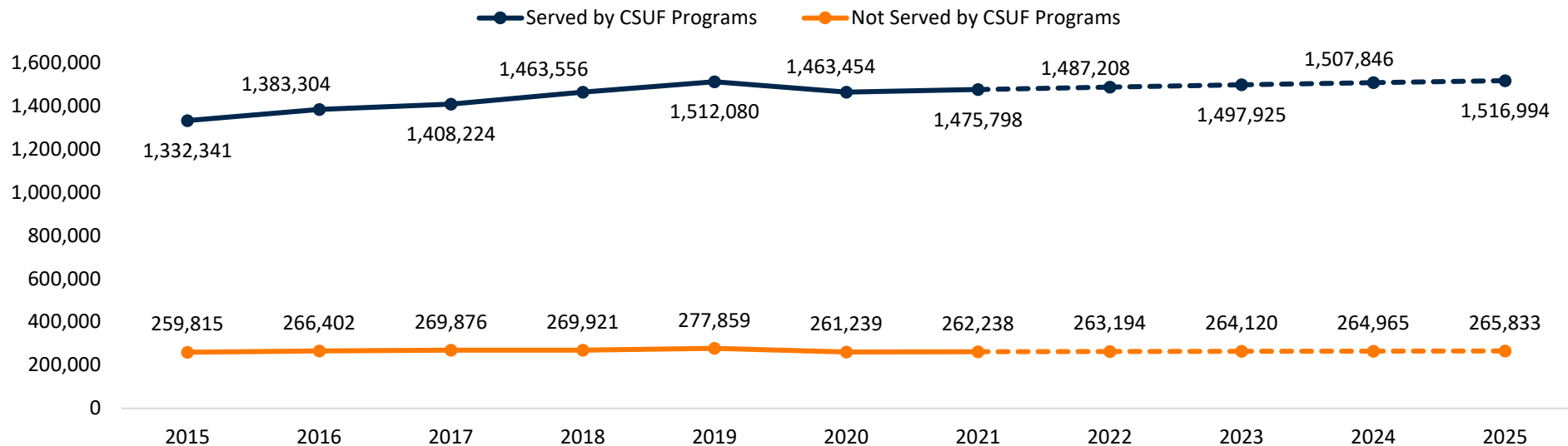
Table 4. Number of Jobs that Require Bachelor's Degree Served or Not Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Served by CSUF Programs	1,332,341	1,383,304	1,408,224	1,463,556	1,512,080	1,463,454	1,475,798	1,487,208	1,497,925	1,507,846	1,516,994
Not Served by CSUF Programs	259,815	266,402	269,876	269,921	277,859	261,239	262,238	263,194	264,120	264,965	265,833
Total	1,592,156	1,649,706	1,678,100	1,733,477	1,789,939	1,724,692	1,738,036	1,750,403	1,762,046	1,772,811	1,782,827

Table 5. Percentage of Jobs that Require Bachelor's Degree Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage of Jobs Served by CSUF	83.7%	83.9%	83.9%	84.4%	84.5%	84.9%	84.9%	85.0%	85.0%	85.1%	85.1%

Figure 5. Trend in Number of Jobs that Require Bachelor's Degree Served or Not Served by CSUF, 2015 to 2025



Master's Degree

Table 6 and Figure 6 show trends in jobs that can be served by master programs offered at CSUF as well as those that are not served by CSUF programs. Table 7 shows the percentage of jobs that are served by CSUF master programs. The jobs represent those that identify Master's degree as the typical level of entry education. About 90% of jobs available within the service region are jobs for which CSUF can prepare their students.

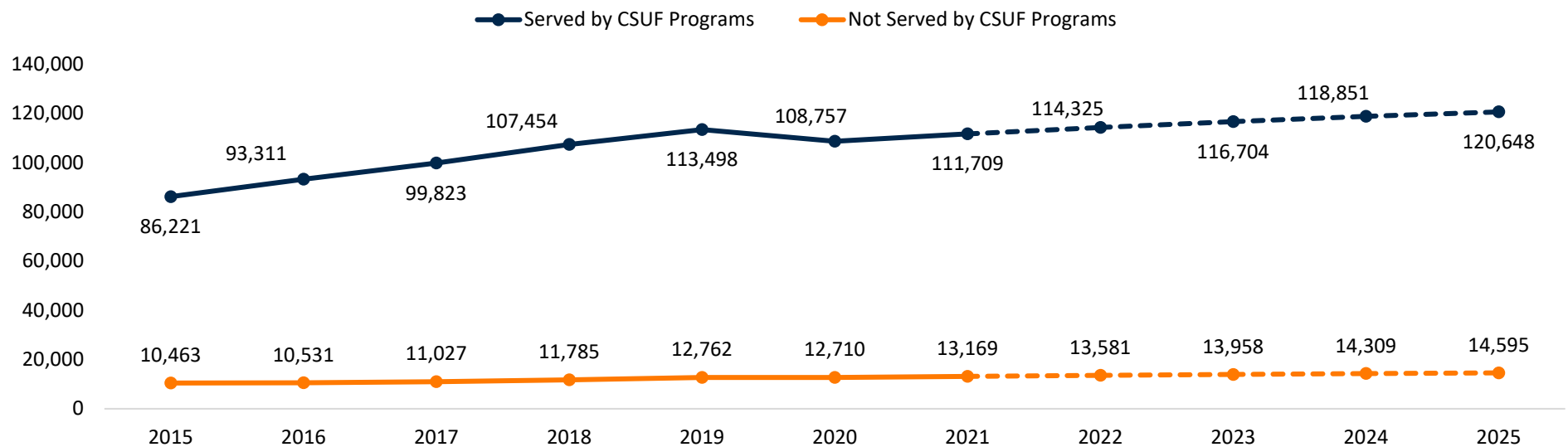
Table 6. Number of Jobs that Require Master's Degree Served or Not Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Served by CSUF Programs	86,221	93,311	99,823	107,454	113,498	108,757	111,709	114,325	116,704	118,851	120,648
Not Served by CSUF Programs	10,463	10,531	11,027	11,785	12,762	12,710	13,169	13,581	13,958	14,309	14,595
Total	96,684	103,842	110,851	119,239	126,260	121,467	124,878	127,905	130,663	133,159	135,243

Table 7. Percentage of Jobs that Require Master's Degree Served or Not Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage of Jobs Served by CSUF	89.2%	89.9%	90.1%	90.1%	89.9%	89.5%	89.5%	89.4%	89.3%	89.3%	89.2%

Figure 6. Trend in Number of Jobs that Require Master's Degree Served or Not Served by CSUF, 2015 to 2025



Doctoral Degree

Table 8 and Figure 7 show trends in jobs that can be served by doctorate programs offered at CSUF as well as those that are not served by CSUF programs. Table 9 shows the percentage of jobs that are served by CSUF doctoral programs. The jobs represent those that identify Doctoral degree as the typical level of entry education. About 76% of jobs available within the service region are jobs for which CSUF can prepare their students.

Table 8. Number of Jobs that Require Doctoral Degree Served or Not Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Served by CSUF Programs	155,746	159,374	160,686	166,324	171,056	165,956	168,338	170,480	172,440	174,133	175,723
Not Served by CSUF Programs	52,514	53,118	54,166	53,793	54,011	51,899	52,647	53,305	53,906	54,460	54,890
Total	208,261	212,492	214,853	220,117	225,067	217,855	220,985	223,785	226,346	228,593	230,612

Table 9. Percentage of Jobs that Require Doctoral Degree Served or Not Served by CSUF, 2015 to 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage of Jobs Served by CSUF	74.8%	75.0%	74.8%	75.6%	76.0%	76.2%	76.2%	76.2%	76.2%	76.2%	76.2%

Figure 7. Trend in Number of Jobs that Require Doctoral Degree Served or Not Served by CSUF, 2015 to 2025

