

SECTOR PROFILE

Education Pathways & Occupations

September 2023

Prepared by:
San Francisco Bay Center of Excellence for Labor Market Research

Introduction

To support the planning and development of career education (CE) programs and to inform information about different sector pathways within the Bay Area, the San Francisco Bay Center of Excellence (COE) for Labor Market Research developed a series of sector profiles highlighting trends in the labor market and postsecondary education and training programs that fall within each sector. These profiles highlight jobs that fall below, within, and above middle skill jobs. Middle skill jobs are those that typically require training beyond a high school diploma, but less than a bachelor's degree. These occupations are a critical component of the labor workforce and support the economic vitality of the Bay Area.

The Education profile summarizes key findings on current and projected workforce demand, hourly wages for occupations within the sector by career pathway, and program information from community colleges in the region that offer training programs in Education.

What Pathways Make Up the Education Sector?

This profile provides a snapshot of the labor market for Education and focuses on three career pathways within the sector. The labor market data presented in this profile includes in-demand occupations by each pathway that have related education and training programs offered at community colleges across the Bay Area.

The three Education career pathways below offer a range of opportunities for employment and advancement across skill levels.

EDUCATION CAREER PATHWAYS

- 1 Early Childhood and Elementary Education
- 2 Secondary Education
- 3 Specialized / Other Education

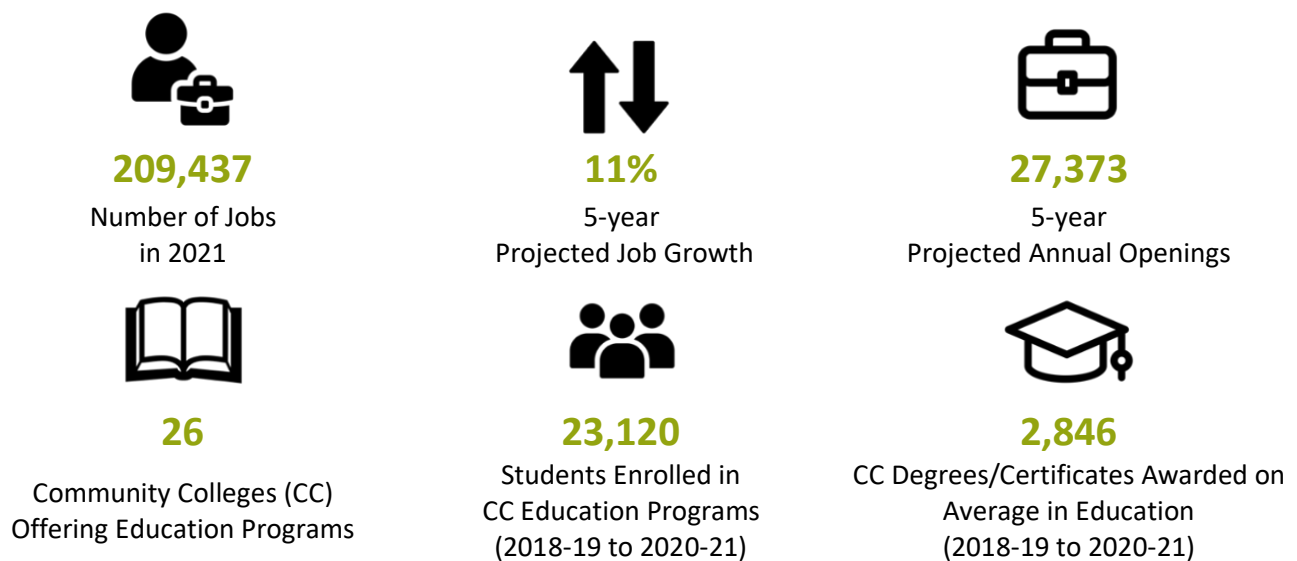
Quick Facts About Education in the Bay Area

Quick facts related to the Education Sector below feature labor market projections between 2021-2026 in the Bay Area, and community college program information for program years 2018-19 to 2020-21.

The Education sector accounted for over 200,000 jobs in the Bay Region in 2021. Between 2021 and 2026, these jobs are projected to grow by 11% with 27,373 projected annual job openings.

Education programs are offered at 26 community colleges in the Bay Area. More than 23,000 students enrolled in Education programs each year at a Bay Region community college during program years 2018-19 to 2020-21, and 2,846 students completed a degree or certificate, on average. As for demographics, approximately 26% of students who enrolled between program years 2018-19 to 2020-21 were 20 to 24 years old. Females were predominantly represented among students who enrolled in Education programs (84%), as well as students who identify as Hispanic (41%) or White (21%).

Bay Area Quick Facts



Local Employers



- Oakland Unified School District
- Sittercity
- Care Group
- University of California
- KinderCare
- LanguageLine Solutions
- Bright Horizons
- Stepping Stones
- San Ramon Valley Unified School District
- ATX Learning

Source: Lightcast, Online Job Postings for Education, 2020-2022 [2023.01].

Projected Employment for the Education Sector

Industry Employment Demand for Education

The Education sector includes all sub-sectors and industries grouped under North American Industry Classification System (NAICS) codes 61 and 62, which is used to organize and categorize industries in the job market for the sector. A single two-digit NAICS code, for example, may represent several sub-sector and industry groups within the sector.

Overall, employment demand in the Education sector is projected to grow in the Bay Region over the next several years (2021-2026) by 22% (Table 1). Approximately 319,838 workers in the Bay Region were employed in Education industries in 2021, and this number is projected to increase to 388,658 workers by 2026.

Table 1: Projected Industry Demand for Education

2021 JOBS	2026 JOBS	JOB CHANGE	% CHANGE
319,838	388,658	68,820	22%

Source: Lightcast, Projected Demand for Education, 2021-2026 [2023.1].

Occupational Demand for Education by Career Pathway

Examining demand for Education by career pathway, Table 2 summarizes the number of workers employed in each pathway in 2021 and the total number of openings projected between 2021-2026. The Early Childhood and Elementary Education career pathway had the most jobs in 2021 with 134,450 workers, and is also projected to have the most job openings between 2021-2026, with 95,776.

Table 2: Number of Jobs and Total Openings for Education by Career Pathway (2021-2026)

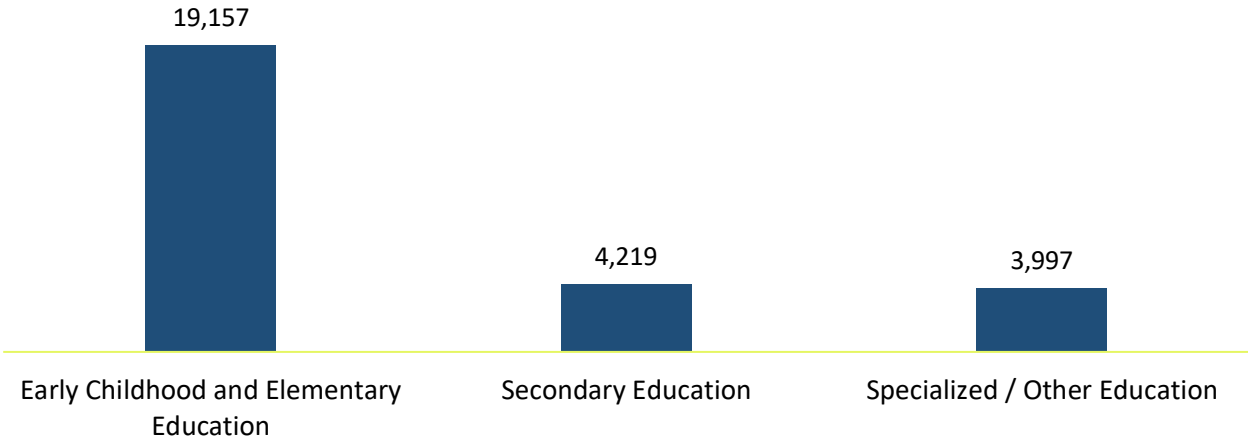
PATHWAY	2021 JOBS	2021 - 2026 OPENINGS*
Early Childhood and Elementary Education	134,450	95,776
Secondary Education	45,287	21,096
Specialized / Other Education	29,700	19,994

Source: Lightcast, Projected Number of Jobs and Total Openings for Education, 2021-2026 [2023.1].

*2021-2026 Openings are new job openings and replacement job openings. Replacement openings are created as workers switch jobs, retire or leave for other reasons.

In terms of annual openings, Figure 1 presents projected average annual openings for each career pathway in Education. More than 19,000 annual openings are projected for occupations in Early Childhood and Elementary Education pathway between 2021 and 2026, followed by over 4,000 projected annual openings in Secondary Education.

Figure 1: Annual Job Openings for Education by Career Pathway (2021-2026)



Source: Lightcast, Projected Demand for Education, 2021-2026 [2023.1].



Education Occupations and Skill Level by Career Pathway

When examining specific occupations in the Education sector, Table 3 below presents data on employment and projected demand by occupation, grouped by career pathway and skill level. The Early Childhood and Elementary Education pathway is the largest with 10 occupations, followed by the Secondary Education pathway with eight occupations, and the Specialized / Other Education with six occupations. Please note that the figures in Table 3 are calculated across regional data and totals may be subject to rounding error. Over 80% of the job openings in all three pathways are replacement openings. Replacement openings are created as workers switch jobs, retire or leave for other reasons.

SKILL LEVEL LEGEND

• = Below Middle Skill • • = Middle Skill • • • = Above Middle Skill

Table 3: Projected Demand for Education Occupations by Career Pathway (2021-2026)

Skill Level	Occupation	Annual Openings	2021 Jobs	5-Yr Change	5-Yr % Change	5-Yr Replacement Jobs	Replacements as % of Openings
EARLY CHILDHOOD AND ELEMENTARY EDUCATION PATHWAY							
•	Childcare Workers	6,941	37,531	1,447	4%	32,026	92%
•	Teaching Assistants, Except Postsecondary	3,663	26,053	2,310	9%	15,974	87%
• •	Preschool Teachers, Except Special Education	2,362	16,429	2,342	14%	9,438	81%
• •	Tutors	1,705	9,546	1087	12%	7,397	87%
• •	Teachers and Instructors, All Other	894	6,595	555	8%	3,911	88%
• •	Special Education Teachers, Preschool	30	250	52	21%	101	67%
• • •	Elementary School Teachers, Except Special Education	2,652	29,409	2,169	7%	11,020	83%
• • •	Kindergarten Teachers, Except Special Education	317	2,457	202	9%	1,372	86%
• • •	Special Education Teachers, Kindergarten and Elementary School	313	3,388	268	8%	1,290	82%
• • •	Education and Childcare Administrators, Preschool and Daycare	280	2,792	294	10%	1,094	79%
Early Childhood and Elementary Education Total		19,157	134,450	10,726	10%	83,623	83%

SKILL LEVEL LEGEND

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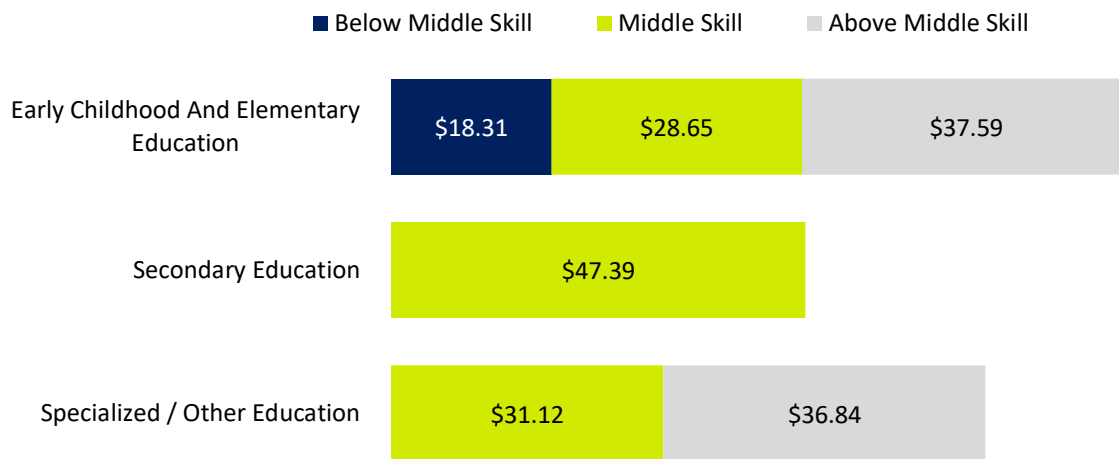
Skill Level	Occupation	Annual Openings	2021 Jobs	5-Yr Change	5-Yr % Change	5-Yr Replacement Jobs	Replacements as % of Openings
SECONDARY EDUCATION PATHWAY							
• • •	Secondary School Teachers, Except Special and Career/Technical Education	1,905	21,998	1,776	8%	7,695	80%
• • •	Middle School Teachers, Except Special and Career/Technical Education	933	9,935	883	9%	3,750	81%
• • •	Education Administrators, Kindergarten through Secondary	518	5,402	475	9%	2,095	81%
• • •	Instructional Coordinators	473	3,797	519	14%	1,845	78%
• • •	Special Education Teachers, Secondary School	169	1,722	176	10%	665	79%
• • •	Special Education Teachers, Middle School	101	1,086	95	9%	415	80%
• • •	Career/Technical Education Teachers, Secondary School	97	1,105	96	14%	387	73%
• • •	Career/Technical Education Teachers, Middle School	23	242	18	7%	91	84%
Secondary Education Total		4,219	45,287	4,038	10%	16,943	80%
SPECIALIZED / OTHER EDUCATION PATHWAY							
• •	Training and Development Specialists	1,024	8,389	1,075	12%	4,043	80%
• •	Coaches and Scouts	927	4,763	1,151	24%	3,486	75%
• •	Interpreters and Translators	423	3,188	382	12%	1,711	82%
• •	Library Technicians	353	2,078	716	9%	3,551	81%
• • •	Educational, Guidance, and Career Counselors and Advisors	867	8,328	456	13%	1,551	80%
• • •	Librarians and Media Collections Specialists	403	2,954	3,970	13%	15,886	82%
Specialized / Other Education Total		3,997	29,700	3,970	13%	15,886	82%
EDUCATION TOTAL		27,373	209,437	18,734	11%	116,452	82%

Source: Lightcast, Projected Demand for Education Occupations, 2021-2026 [2023.1].

Education Occupational Wages by Career Pathway

In terms of wages, Figure 2 below presents the median averages for below middle skill, middle skill, and above middle skill jobs by career pathway. Table 4 summarizes wages by the 25th percentile, median and 75th percentile hourly earnings for each occupation in the Bay Region. The 25th percentile wage is used here as a proxy for entry-level earnings, while the 75th percentile represents estimated earnings for a more experienced worker in the occupation.

Figure 2: Average Median Hourly Earnings for Career Pathways (2021-2026)



Source: Lightcast, Projected Demand for Education, 2021-2026 [2023.1].

Table 4: Hourly Earnings for Education Occupations by Career Pathway (2021-2026)

SKILL LEVEL LEGEND	
● = Below Middle Skill	● ● = Middle Skill
● ● ● = Above Middle Skill	

Skill Level	Occupation	25 th Pct. Hourly Earnings	Median Hourly Earnings	75 th Pct. Hourly Earnings
EARLY CHILDHOOD AND ELEMENTARY EDUCATION PATHWAY				
●	Teaching Assistants, Except Postsecondary	\$17.51	\$20.27	\$23.44
●	Childcare Workers	\$14.32	\$16.35	\$19.81
● ●	Special Education Teachers, Preschool	\$29.72	\$38.26	\$43.04
● ●	Teachers and Instructors, All Other	\$27.96	\$37.52	\$45.94
● ●	Preschool Teachers, Except Special Education	\$17.23	\$19.96	\$22.47
● ●	Tutors	\$16.41	\$18.87	\$23.78
● ● ●	Elementary School Teachers, Except Special Education	\$33.31	\$42.02	\$48.87
● ● ●	Kindergarten Teachers, Except Special Education	\$28.91	\$40.14	\$48.57

SKILL LEVEL LEGEND

• = Below Middle Skill • • = Middle Skill • • • = Above Middle Skill

Skill Level	Occupation	25 th Pct. Hourly Earnings	Median Hourly Earnings	75 th Pct. Hourly Earnings
• • •	Special Education Teachers, Kindergarten and Elementary School	\$27.95	\$39.92	\$50.87
• • •	Education and Childcare Administrators, Preschool and Daycare	\$25.63	\$28.30	\$31.26
	Early Childhood and Elementary Education Pathway Total Averages	\$23.89	\$30.16	\$35.81

SECONDARY EDUCATION PATHWAY

• • •	Education Administrators, Kindergarten through Secondary	\$52.07	\$64.85	\$76.22
• • •	Career/Technical Education Teachers, Secondary School	\$46.13	\$52.98	\$54.95
• • •	Career/Technical Education Teachers, Middle School	\$36.71	\$40.84	\$47.95
• • •	Secondary School Teachers, Except Special and Career/Technical Education	\$36.42	\$46.20	\$52.01
• • •	Middle School Teachers, Except Special and Career/Technical Education	\$33.28	\$42.15	\$53.36
• • •	Special Education Teachers, Secondary School	\$32.44	\$45.96	\$57.27
• • •	Special Education Teachers, Middle School	\$31.72	\$51.17	\$61.78
• • •	Instructional Coordinators	\$27.12	\$34.96	\$49.54
	Secondary Education Total Averages	\$36.98	\$47.39	\$56.63

SPECIALIZED / OTHER EDUCATION PATHWAY

• •	Training and Development Specialists	\$27.24	\$37.88	\$50.76
• •	Interpreters and Translators	\$23.93	\$36.61	\$49.75
• •	Library Technicians	\$20.97	\$25.07	\$30.47
• •	Coaches and Scouts	\$17.60	\$24.94	\$34.83
• • •	Librarians and Media Collections Specialists	\$29.65	\$37.33	\$46.32
• • •	Educational, Guidance, and Career Counselors and Advisors	\$29.15	\$36.35	\$48.35
	Specialized / Other Education Total Averages	\$24.76	\$33.03	\$43.41
	EDUCATION TOTAL	\$28.47	\$36.62	\$44.65

Source: Lightcast, 25th pct., Median, and 75th pct. Hourly Earnings for Education Occupations, 2021-2026 [2023.1].

Emerging Trends in the Education Sector

This report outlines various emerging trends in the Education sector for School Mental Health Workers, Transitional Kindergarten Teachers, and Out-of-School Time (OST) Staff.

School Mental Health Workers

In August 2022, Governor Gavin Newsom unveiled [California's Master Plan for Kids' Mental Health](#) to ensure all California kids, parents and communities have increased access to mental health and substance use services. In California, about one-third of 7th and 9th graders and half of 11th graders experienced chronic sadness in the 2020-2021 school year and it's estimated that 1 in 10 kids between the ages of 12 and 17 suffered from at least one major depressive episode in the last year. Suicide rates for California youth ages 10 to 18 increased by 20% from 2019 to 2020.

School Mental Health Workers are in great demand. In August 2022, state Superintendent of Public Instruction Tony Thurmond announced that he had secured funding to hire 10,000 additional [mental health clinicians](#) to serve the state's students. That effort is key to the Department of Education's push to increase mental health care provided in schools.

Transitional Kindergarten Teachers

The [2020 California Master Plan for Early Learning and Care](#), outlined a plan for significant funding for Transitional Kindergarten (TK) for 4-year-olds in all public schools. The 2021–22 state budget and the 2022–23 budget will bring significant new funding to the Bay region to support TK and begin the implementation of universal preschool for 3- to 4-year-olds in California. It is estimated that 2,500 new TK teachers and aides will be needed by 2025 to meet the workforce needs of newly funded programs in the Bay region.

Out-of-School Time (OST) Staff

Programs that provide care and supervision for children when they are not attending school are commonly referred to under different names such as, Out-of-School Time (OST), Extended Learning (EXL), or After-School Program (ASP). The OST/EXL/ASP workforce is the largest sub-sector of the child care workforce in California, typically serving children aged 4–12 years, ranging from Transitional Kindergarten (TK) through grade 5, and may also include middle school programming for older youth. This age range includes a significant portion of the child population, serving children before and after school as well as full-time during school vacation periods.

Three occupational groups encompassing frontline staff, coordinators and directors are considered emerging occupations. The OST workforce is typically part-time, and employment hours often include before and after-school, in addition to periods when school is closed, such as holiday breaks and summer. OST program directors in school districts are sometimes credentialed teachers or principals.

Program administrators may be referred to as directors, program administrators, coordinators, managers, supervisors, or lead teachers.

It is estimated that by 2025, more than 8,000 new OST jobs could be created in the Bay region due to state funding expansion that will build new programs in underserved schools. This is not inclusive of OST jobs that may be available in the private sector.

Emerging Occupations in the Education Sector

Table 5 summarizes the unique job postings for emerging occupations for the 12-month period of July 2022 to June 2023. Unique job postings reflect the number of job postings that may be posted multiple times by the same company in the same region, but have been deduplicated and only counted once. Standard Occupational Classification (SOC) codes are not available for these occupations.

Table 5: Job Titles, Definitions, and Unique Job Postings for Emerging Occupations

Job Titles	Definition	Unique Job Postings
Transitional Kindergarten Teacher	Transitional Kindergarten (TK) classroom teachers provide an educational program and environment which promotes learning and personal growth for transitional kindergarten students in a self-contained classroom. TK teachers are required to have a multiple-subject teaching credential, which is the same credential teachers need for all the elementary grades. TK teachers also need to complete an additional 24 units of early childhood education coursework or the equivalent, or need to hold a child-development permit.	122
School Mental Health Workers	School Mental Health Workers counsel and advise students to promote optimum mental and emotional health, with an emphasis on prevention. May help students deal with a broad range of mental health issues, such as those associated with academic, career and social/emotional development; addictions and substance abuse; family; stress management; self-esteem. Provide short-term counseling interventions and referrals to community resources for long-term support.	52
Out of School Time (OST) Staff	Three occupational groups encompassing frontline staff, coordinators and directors comprise the OST workforce. The workforce is typically part-time, and employment hours often include before and after-school, in addition to periods when school is closed, such as holiday breaks and summer.	Refer to Table 6

Source: Lightcast. Job Posting Analytics, 2022-2023 [2023.2].

Table 6 below displays job postings between May 2021 to April 2022 and estimated number of days to fill an opening for OST related occupations and job titles. Occupations and job titles are sorted in descending order by job postings within each job category.¹ The workforce is difficult to quantify due to a lack of uniformly recognized occupations or existing Standard Occupational Classification (SOC) codes and titles for this workforce, and job descriptors vary widely.

Table 6: Job Categories, Job Postings, and Time to Fill Occupations

Job Category	Occupation	Job Postings	Time to Fill
Frontline Staff	Preschool / Childcare Teacher	1,788	42 days
	Teacher Assistant	842	42 days
	Self-Enrichment Teacher	242	47 days
	Vocational Education Instructor	120	42 days
	Tutor	88	36 days
	Academic / Guidance Counselor	70	46 days
	Elementary School Teacher	49	50 days
	Recreation / Activities Worker	48	47 days
Coordinator	Preschool / Childcare Teacher	155	42 days
	Youth Counselor / Worker	18	42 days
	Director of Religious Education	11	42 days
	Social / Human Services Manager	7	42 days
	Social / Human Service Assistant	5	38 days
	Self-Enrichment Teacher	3	47 days
	Childcare / Preschool Director	2	41 days
Director	Elementary and Secondary School Administrator	2	46 days
	Program Manager	44	39 days
	Elementary and Secondary School Administrator	21	46 days
	Self-Enrichment Teacher	18	47 days
	Preschool / Childcare Teacher	17	42 days
	Childcare / Preschool Director	16	41 days
	Social / Human Services Manager	6	42 days
	Property / Real Estate / Community Manager	5	40 days
	Social / Human Service Assistant	5	38 days
Business Development / Sales Manager	2	41 days	

Source: Burning Glass (Presently Lightcast). Job Posting Analytics, 2021-2022 [2022].

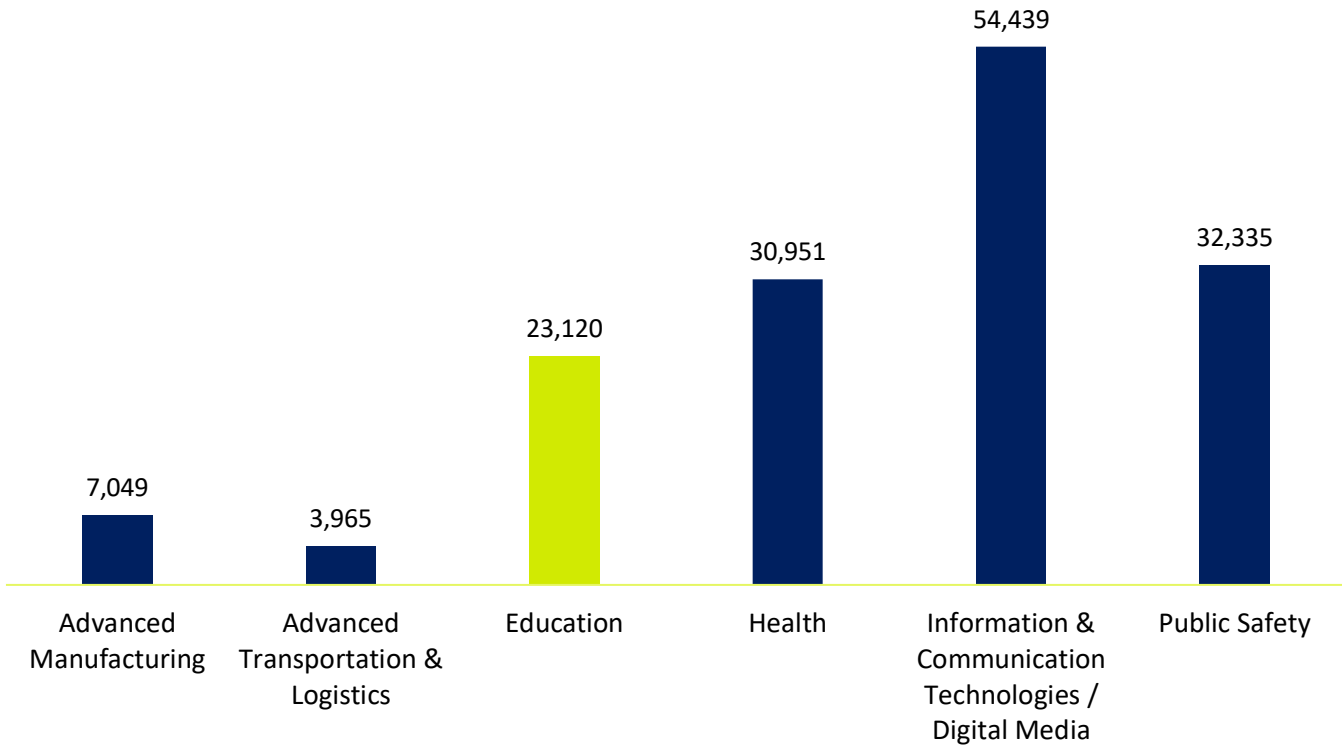
¹ Estimates for “time to fill” are based on a review of current and historical job postings data for the given occupation. Job postings and hard to fill jobs, by selected OST occupations.

Education Community College Programs

California community colleges offer a variety of programs in Education, training students for career pathways in Early Childhood And Elementary Education, Secondary, and Specialized / Other Education. Colleges combine classroom instruction on campus, online, and/or as external work experiences. Of the 28 community colleges in the Bay region, 26 colleges offer a program related to the Education sector.

Figure 3 shows community college pipeline students by each of the Bay region’s six priority sectors. During program years (PY) 2018-19 to 2020-21, more than 23,000 students enrolled in Education courses each year, on average. These numbers represent an unduplicated count of students who took any single credit course or had positive attendance hours in any noncredit course in a TOP code related to Education (Table 7).

Figure 3: Community College Pipeline Students* by Sector (3-YR Average, PY 2018-19 to PY 2020-21)



Source: Cal-PASS Plus LaunchBoard. Program Years 2018-19 to 2020-21, Bay Area Community Colleges.

*Community College Pipeline Students: Unduplicated count of “All students who took at least .5 units in any single credit course or who had at least 12 positive attendance hours in any noncredit course(s) on the selected TOP code in the selected year.

Eighteen (18) Taxonomy of Program (TOP) codes related to Education are presented in Table 7, along with the number of colleges in the region that awarded degrees and certificates in program years 2018-19 to 2020-21. Note that only data on programs are presented below, and may not include the number of students in courses offered that could be related to Education.

Table 7: Education Programs at Community Colleges in the Bay Area (PY 2018-19 to 2020-21)

TOP6	TOP6 Program Title	# Colleges w/Programs
130500	Child Development/Early Care and Education	23
130520	Children with Special Needs	8
130510	Child and Adolescent Development	6
130580	Child Development Administration and Management	4
130550	The School Age Child	4
080200	Educational Aide	4
130590	Infants and Toddlers	3
130540	Preschool Age Children	3
085010	Sign Language Interpreting	2
086000	Educational Technology	2
089900	Other Education	2
083560	Coaching	2
080900	Special Education	1
130800	Family Studies	1
083610	Recreation Assistant	0
086000	Educational Technology (Bilingual)	0
130560	Parenting and Family Education	0
130570	Foster and Kinship Care	0

Source: CCCC Datamart. Program Years 2018-19 to 2020-21 by TOP6 Code, Bay Area Community Colleges.

Table 8 and 9 summarize educational supply by analyzing the number of degrees awarded in related TOP and Classification of Instructional Programs (CIP) codes. According to TOP data, 2,846 degrees or certificates were awarded, on average, in a Bay Area community college between program years 2018-19 to 2020-21. The average number of degrees and certificates awarded in programs may include students who earned multiple degrees or certificates. According to CIP data (Table 9), non-community college institutions supply the Bay Area with 976 awards, on average, each year. Total awards for a TOP or CIP Program Title, which is the sum of all award types, may be subject to rounding error.

Table 8: Awards for Community College Programs in the Bay Area (PY 2018-19 to 2020-21)

TOP6	TOP6 Title	Associate Degree/ Associate for Transfer	Certificate	Noncredit Award	Total Awards
080200	Educational Aide	0	12	0	12
080900	Special Education	5	5	0	10
083560	Coaching	2	1	0	3
085010	Sign Language Interpreting	8	11	0	19
086000	Educational Technology	0	18	0	18
089900	Other Education	0	6	0	6
130500	Child Development/Early Care and Education	635	1,707	1	2,343
130510	Child and Adolescent Development	82	4	0	86
130520	Children with Special Needs	4	76	0	80
130540	Preschool Age Children	0	31	14	45
130550	The School Age Child	0	19	0	19
130580	Child Development Administration and Management	0	51	0	51
130590	Infants and Toddlers	0	129	19	148
130800	Family Studies	0	6	0	6
Total Awards		736	2,076	34	2,846

Source: CCCC Datamart. Program Years 2018-19 to 2020-21 Annual Awards, by TOP6 Code, Bay Area Community Colleges.

Table 9: Awards for Non-Community College Programs in the Bay Area (PY 2017-18 to 2019-20)

CIP - CIP Program Title	Associate Degree	Bachelor's Degree	Other Postsecondary Award	Total Awards
13.0406 - Higher Education/Higher Education Administration	0	0	8	8
13.0501 - Educational/Instructional Technology	0	6	0	6
13.1210 - Early Childhood Education and Teaching	2	395	0	396
13.9999 - Education, Other	0	130	0	130
19.0701 - Human Development and Family Studies, General	0	273	0	273
19.0706 - Child Development	0	17	0	17
19.0709 - Child Care Provider/Assistant	0	0	10	10
31.0101 - Parks, Recreation, and Leisure Studies	0	111	0	111
31.0504 - Sport and Fitness Administration/ Management	0	24	0	24
Total Awards	2	956	18	976

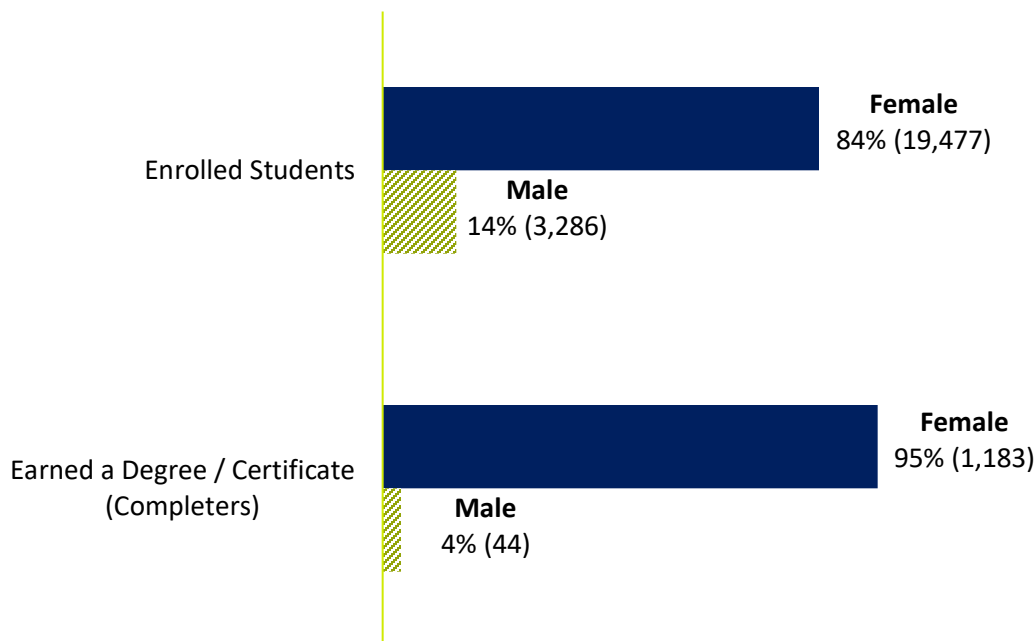
Source: Integrated Postsecondary Education Data System (IPEDS). Program Years 2017-18 to 2019-20 Annual Awards, by CIP Code, Bay Area Institutions.

Demographic Profile of Students in Education Programs

This sector profile also summarizes the demographics of students who enroll and complete a degree or certificate in Education programs. Figures 4 through 6 below present data on students by gender, race and ethnicity, and age.

On average, more female students enroll (84%) and earn awards (95%) in Education programs, compared to male students (14% and 4% respectively). Students who identify as Hispanic (41%) and White (21%) comprise the two largest groups by race and ethnicity among enrolled students, while students 20 to 24 years old are the most represented age group among those who enroll and complete a program. The figures below provide greater detail on the demographic profiles of students who enrolled and earned degrees or certificates in Education programs in the Bay Area.

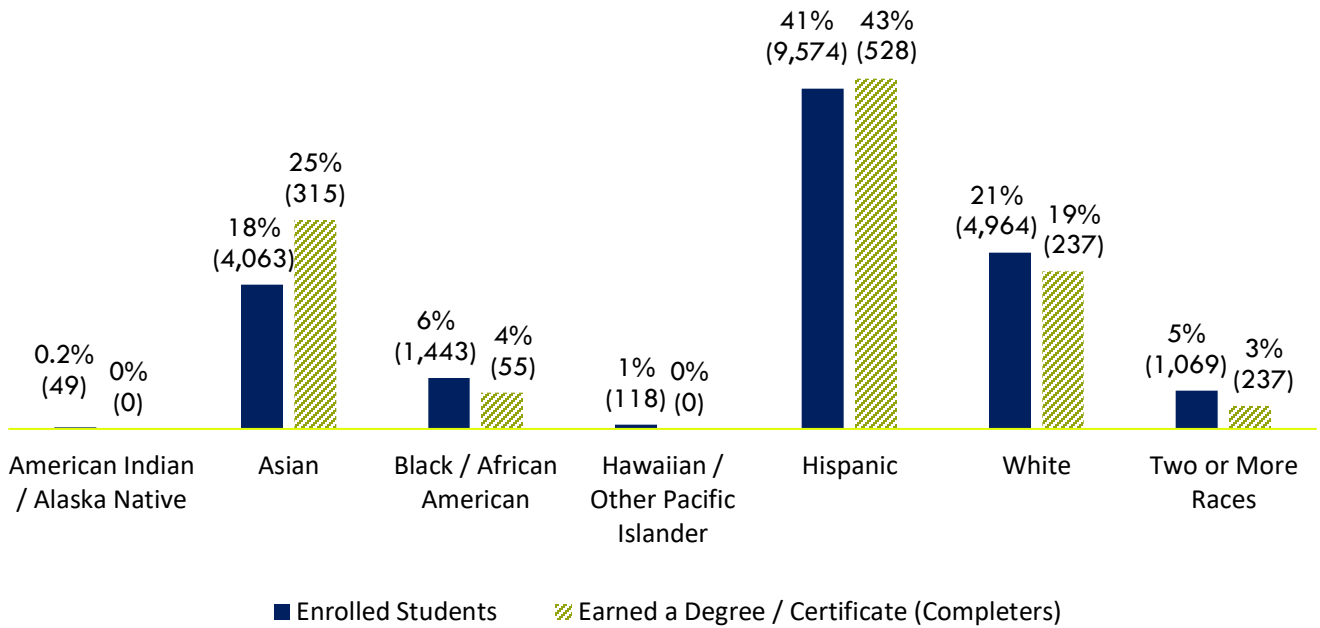
Figure 4: Gender of Students in Education Programs in the Bay Area (PY 2018-19 to PY 2020-21)



Note: May not total 100 percent due to non-respondent/non-binary.

Source: Cal-PASS Plus LaunchBoard. Program Years 2018-19 to 2020-21 Programs, Bay Area Community Colleges

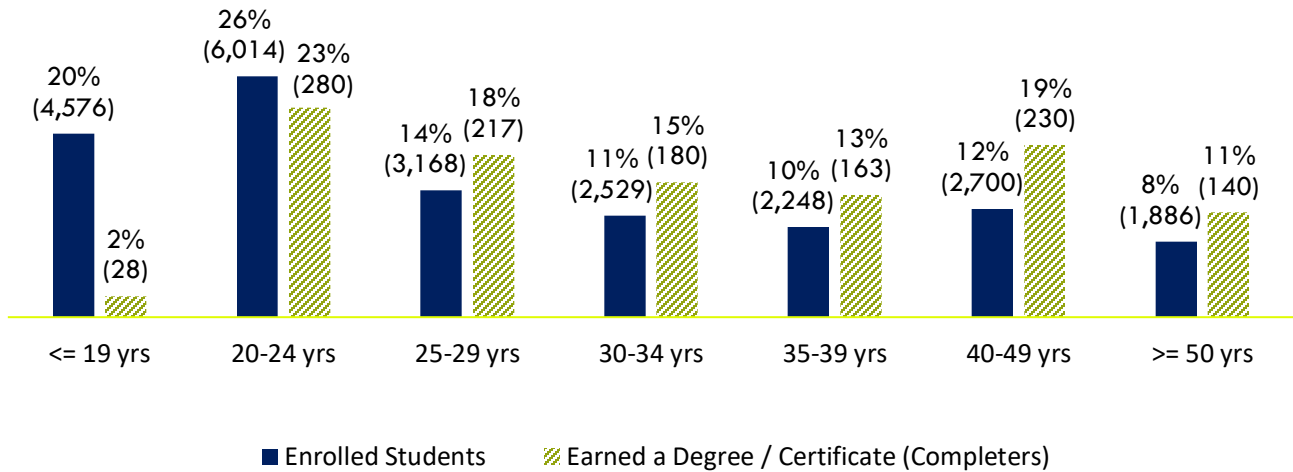
Figure 5: Race/Ethnicity of Students in Education Programs in the Bay Area (PY 2018-19 to 2020-21)



Note: May not total 100 percent due to non-respondent/unknown.

Source: Cal-PASS Plus LaunchBoard. Program Years 2018-19 to 2020-21 Programs, Bay Area Community Colleges

Figure 6: Ages of Students in Education Programs in the Bay Area (PY 2018-19 to 2020-21)



Note: May not total 100 percent due to non-respondent/unknown.

Source: Cal-PASS Plus LaunchBoard. Program Years 2018-19 to 2020-21 Programs, Bay Area Community Colleges

Methodology

Occupations for this report were identified by use of job descriptions and skills listed in O*Net. Labor demand data is sourced from Lightcast occupation and job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CCCCO Data Mart and CTE LaunchBoard.

Sources

O*Net Online

Lightcast

CTE LaunchBoard www.calpassplus.org

LaunchBoard

Statewide CTE Outcomes Survey

Employment Development Department Unemployment Insurance Dataset

Living Insight Center for Community Economic Development

Chancellor's Office MIS system

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