

Los Medanos College (revision)

Certificate Title: Forklift, Logistics, Operations and Warehouse (FLOW)

Type of Certificate: Non-Credit CDCP Certificate of Completion

Certificate of Completion Pursuant to Title 5, § 55151, students completing noncredit courses in a prescribed pathway, chaptered by the Chancellor's Office, leading to improved employability or job opportunities, a Certificate of Completion may be awarded. A noncredit Certificate of Completion means a document confirming that a student has completed a noncredit educational program of noncredit courses that prepares students to progress in a career path or to take degree applicable credit courses (CCR, Title 5 §55151(h)).

Item 1. Program Goals and Objectives

Los Medanos College has been a source of training and education serving the business and industry needs of East Contra Costa County since its opening in 1974. The college enjoys close relationship with economic development staff members of each of the cities of Antioch, Brentwood, Oakley, Pittsburg and of Contra Costa County. There are currently multiple initiatives and/or industrial developments that will bring about the need for warehouse and logistics career training. Two of these initiatives are briefly described below.

The **Northern Waterfront Economic Development Initiative™** is a regional cluster-based economic development strategy with a goal of creating 18,000 new jobs by 2035. The Initiative leverages existing competitive advantages and assets by focusing on advanced manufacturing sub-sectors in five targeted clusters (advanced transportation fuels, bio-tech/bio-medical, diverse manufacturing, food processing, and clean tech). The initiative is a collaboration between the county and seven partner cities, who work together on diverse actions to enhance the economic vitality of the region.

The **Contra Costa Logistics Center**, as it is termed, will feature 2.249,544 square feet of light industrial space on 375 acres in the city of Oakley. The site is designated as Business Park, Light Industrial, Utility Energy and Delta Recreation in the Oakley 2020 General Plan. Opportunities for employment in the field of warehousing and logistics will add new career pathways for East County K12, Adult Education and community college centers. Construction on the first 180,000 sq. ft. building, which has been leased by Amazon, will be completed in early fall, 2020.

Learning Outcomes:

1. Explain warehouse operations and service procedures.
2. Demonstrate proper use of material handling equipment.
3. Demonstrate personal and workplace safety rules and practices.
4. Solve warehouse security and safety issues.
5. Demonstrate general warehousing procedures regarding merchandise delivery.

Item 2. Catalog Description

The Forklift, Logistics, Operations and Warehouse (FLOW) certificate features modern warehouse operations including facilities maintenance, security, materials handling, inventory management, and productivity improvement and measurement. Materials handling includes forklift driving using modern industrial training standards and includes Occupational Safety and Health Administration (OSHA) regulations. The certificate also covers basic hazardous material handling and principles of health and safety in general industry.

Item 3. Program Requirements

COURSE NAME	COURSE #	HOURS
Warehouse Operations	LOGIS-010N	36 Hours
Forklift Operations	LOGIS-012N/CONST-15N	16 Hours
Forklift Operations Lab	LOGIS-013N/ CONST-016N	12 Hours
Hazardous Materials and OSHA 10 General Industry Occupational Safety	LOGIS-014N	12 Hours
	Total Hours:	76 Hours

Item 4. Master Planning

The : Forklift, Logistics, Operations and Warehouse (FLOW), certificate touches each of the college's four broad strategic directions to promote equity, engagement, and effectiveness for student success:

1. Increase equitable student engagement, learning, and success.

Los Medanos College has a strong history of innovative workforce development initiatives including the Career Advancement Academies, California Apprenticeship Initiative, Workforce

Accelerator Fund grants, etc. Each of these is focused on innovative ways to engage students using strategies such as learning communities and early alert software. These strategies, coupled with the significant impact of the California Adult Education Program (CAEP) and the college's strong relationship with the Workforce Development Board of Contra Costa County will help to ensure student engagement, learning and success.

2. Strengthen community engagement and partnerships.

Los Medanos College prides itself in its strong community partnerships with local agencies and institutions such as the Industrial Association of Contra Costa County and the Contra Costa County Department of Conservation and Development as well as with the economic development directors of each of the East County cities. As such, the college stays well-informed regarding the current and future workforce needs of the region. The college's very active advisory committees for its industrial technology programs feature companies such as Corteva (formerly Dow), PBF Energy (formerly Shell Oil) and USS POSCO (steel finishing). Each of these companies welcome the addition of the FLOW program to the college's catalog. New partnerships with big box retailers and warehousing giants such as Amazon are now forming.

3. Promote innovation, expand organizational capacity, and enhance institutional effectiveness.

The development of the new FLOW program at LMC as a Career Development & College Preparation (CDCP) certificate is consistent with the college's desire to reach students previously unserved in the community. Alignment with local K12 educational partners, including adult ed, has been a priority and seeks to ensure career pathways for students of all ages with interests and skills in career education. With construction of millions of square feet of manufacturing and warehousing space in the Contra Costa region the workforce needs for this type of training will increase significantly. Expansion into industrial maintenance to add to the college's industrial electronics and refinery operator programs will create a one-stop shop for advanced manufacturing workforce training in East Contra Costa County.

4. Invest in technology, fortify infrastructure, and enhance fiscal resources.

In the next two years the college seeks to invest \$2M plus to remodel and expand existing career education lab space in order to accommodate the addition of credit and noncredit career education programs like Drone Technology and Construction Pre-Apprenticeship. Design efficiencies will allow the space to be transformed with minimal effort to accommodate instruction in newly developed fabrication technology courses, expanded HVAC offerings and potentially a shared maker space. These investments in infrastructure, along with new state-of-the-art forklift simulation stations will enable the college to expand its student base and enjoy fiscally sound growth.

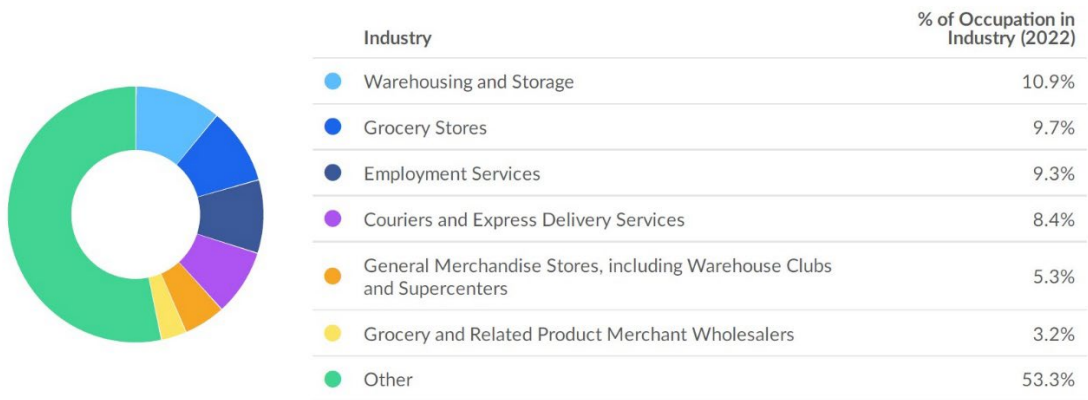
Labor Market Projections

Labor Market Projections – East Bay Area (Contra Costa and Alameda Counties)

Source: Lightcast Occupation Overview

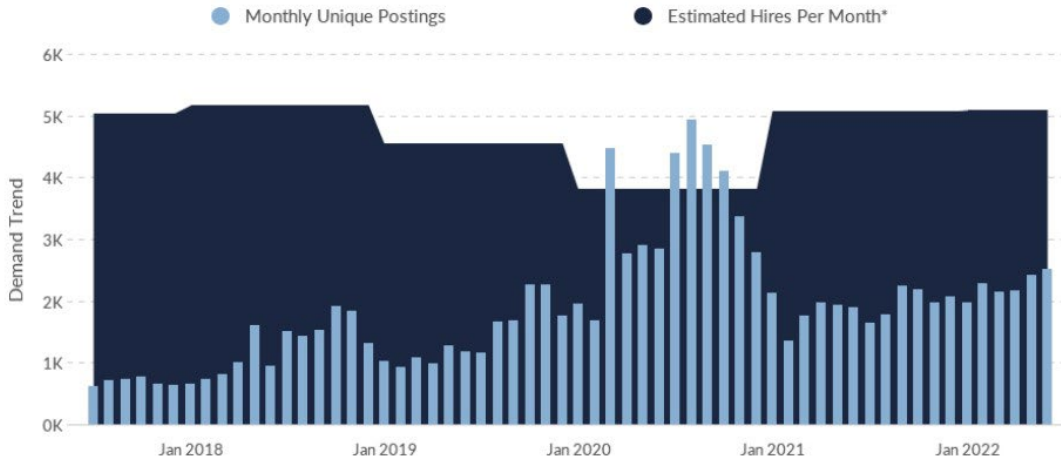
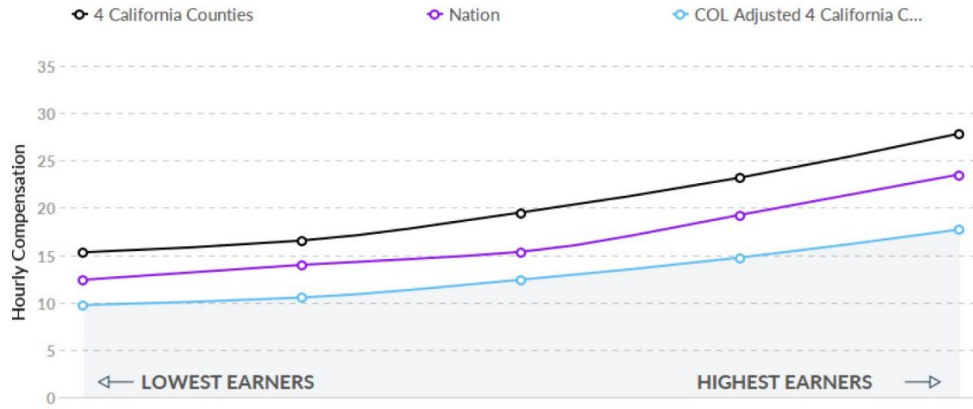
As of Third Quarter 2022

Most Jobs are Found in the Warehousing and Storage Industry Sector



Regional Compensation Is 27% Higher Than National Compensation

For your occupations, the 2021 median wage in your area is \$19.50/hr, while the national median wage is \$15.34/hr.



Occupation	Avg Monthly Postings (Jan 2022 - Jun 2022)	Avg Monthly Hires (Jan 2022 - Jun 2022)
Laborers and Freight, Stock, and Material Movers, Hand	1,211	2,709
Stockers and Order Fillers	609	1,537
Shipping, Receiving, and Inventory Clerks	214	361
Industrial Truck and Tractor Operators	210	430
Refuse and Recyclable Material Collectors	4	62

*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.