

Process of Approval for Programs Subject to Academic Senate Purview

New Certificate: **Reddaway Truck Driving**

1. Support for the program on campus. I am working with CTE, Admin, District.
2. Anticipated resources/costs: A&R support to enroll students into programs.
3. Need or demand, see LMI data attached
4. Mission Appropriateness: Relevant to: *offers educational opportunities and support for completion of students' career-technical goals*

Curriculum required: Apprenticeship Reddaway Heavy Truck Driving

Courses:

APRT 51 Reddaway Heavy Truck Driving Academy

APRT 52 Reddaway Heavy Truck Driving Test Preparation

APRT 94 Occupational Work Experience - Reddaway Heavy Truck Driving Apprenticeship

Programs:

Reddaway Heavy Truck Driving B CA - Certificate of Achievement

Reddaway Heavy Truck Driving Academy A CA - Certificate of Achievement

5. FTES/FTEF required: none required.
6. Implementation Schedule: Start Fall 2022
7. Outcomes: success will be measured by the number of students who are employed during/after the apprenticeship. See SLO's attached
8. Program Map -See Guided Pathway attached.



Heavy Truck Driving Occupations Labor Market Information Report Las Positas College

**Prepared by the San Francisco Bay Center of Excellence for Labor Market Research
September 2021**

Recommendation

Based on all available data, there appears to be an “undersupply” of Heavy Truck Driving workers compared to the demand for this cluster of occupations in the Bay region and in the East Bay sub-region (Alameda and Contra Costa counties). There is a projected annual gap of about 3,596 students in the Bay region and 1,431 students in the East Bay Sub-Region.

Introduction

This report provides student outcomes data on employment and earnings for TOP 0947.50 - Truck and Bus Driving programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Las Positas College and in the region.

This report profiles Heavy Truck Driving Occupations in the 12 county Bay region and in the East Bay sub-region for a proposed new Reddaway Truck Driving Apprenticeship program at Las Positas College.

- **Heavy and Tractor-Trailer Truck Drivers (53-3032):** Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers’ license.
 - Entry-Level Educational Requirement: Postsecondary nondegree award
 - Training Requirement: Short-term on-the-job training
 - Percentage of Community College Award Holders or Some Postsecondary Coursework: 30%

Occupational Demand

Table 1. Employment Outlook for Heavy Truck Driving Occupations in Bay Region

Occupation	2020 Jobs	2025 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Heavy and Tractor-Trailer Truck Drivers	27,343	28,297	953	3%	18,067	3,613	\$20	\$49
Total	27,343	28,297	954	3%	18,067	3,613	\$20	\$49

Source: EMSI 2021.3

Bay Region includes: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Heavy Truck Driving Occupations in East Bay Sub-region

Occupation	2020 Jobs	2025 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Heavy and Tractor-Trailer Truck Drivers	10,795	11,202	406	4%	7,154	1,431	\$20	\$51
Total	10,795	11,202	407	4%	7,154	1,431	\$20	\$51

Source: EMSI 2021.3

East Bay Sub-Region includes: Alameda and Contra Costa Counties**Job Postings in Bay Region and East Bay Sub-Region****Table 3. Number of Job Postings by Occupation for latest 12 months (Sep 2020 - Aug 2021)**

Occupation	Bay Region	East Bay
Heavy and Tractor-Trailer Truck Drivers	14,837	6,504

Source: Burning Glass

Table 4a. Top Job Titles for Heavy Truck Driving Occupations for latest 12 months (Sep 2020 - Aug 2021)**Bay Region**

Title	Bay	Title	Bay
Driver	1,286	Class A Cdl Tanker Driver - Local, Regional	108
Truck Driver Cdl A	624	Class B Driver	104
Cdl A Truck Driver	342	Cdl A Driver - Cpm With Or Stop	94
Truck Driver	262	Hazmat Tanker Company Driver	88
Class A Driver	216	Less Than Load Regional Cdl A Truck Driver	86
Class A Owner/Operator	209	Cdl	85
Delivery Driver/Warehouse	148	Class-A Cdl Driver	81
Class A Truck Driver	136	Cdla Truck Driving	79
Class A Cdl Driver	112	Cdl Driver	75

Source: Burning Glass

Table 4b. Top Job Titles for Heavy Truck Driving Occupations for latest 12 months (Sep 2020 - Aug 2021)**East Bay Sub-Region**

Title	East Bay	Title	East Bay
Driver	440	Class A Owner/Operator - Dedicated Routes	47
Truck Driver Cdl A	259	Hazmat Tanker Company Driver	46
Cdl A Truck Driver	180	Cdl Class A Driver	45
Truck Driver	135	Class-A Cdl Driver	45

Title	East Bay	Title	East Bay
Class A Driver	90	Class A Cdl Tanker Driver - Local, Regional	42
Class A Truck Driver	81	Class A Cdl Flex Driver/Dock Combo	41
Delivery Driver/Warehouse	57	Cdl Class A Truck Driver	39
Class A Cdl Driver	56	Class A Local Driver	36
Class B Driver	48	Hazmat Team Driver	36

Source: Burning Glass

Industry Concentration

Table 5. Industries hiring Heavy Truck Driving Workers in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2020)	Jobs in Industry (2025)	% Change (2020-25)	% Occupation Group in Industry (2020)
General Freight Trucking, Local	4,225	4,504	7%	16%
General Freight Trucking, Long-Distance, Truckload	2,163	2,461	14%	8%
Specialized Freight (except Used Goods) Trucking, Local	1,807	1,695	-6%	7%
Used Household and Office Goods Moving	1,595	1,636	3%	6%
General Freight Trucking, Long-Distance, Less Than Truckload	1,205	1,136	-6%	4%
Solid Waste Collection	957	1,108	16%	4%
Motor Vehicle Towing	877	873	-1%	3%
Couriers and Express Delivery Services	765	830	9%	3%
Crop Production	788	789	0%	3%
Freight Transportation Arrangement	430	445	3%	2%

Source: EMSI 2021.3

Table 6. Top Employers Posting Heavy Truck Driving Occupations in Bay Region and East Bay Sub-Region (Sep 2020 - Aug 2021)

Employer	Bay	Employer	East Bay
Quality Driver Solutions	633	Quality Driver Solutions	395
Reddaway Trucking	431	Reddaway Trucking	186
Sherwin Williams	321	Sherwin Williams	179
Xpress Global	236	Xpress Global	135
Three Way Logistics	228	Ryder System Incorporated	74
Marten Transport	179	Marten Transport	60

Employer	Bay	Employer	East Bay
Heniff Transportation Systems	158	United Parcel Service Incorporated	59
United Parcel Service Incorporated	145	Heniff Transportation Systems	56
Dependable Highway Express	114	Three Way Logistics	55
Ryder System Incorporated	110	Pacific Drayage Services	54

Source: Burning Glass

Educational Supply

There is one (1) community college in the Bay Region issuing 17 awards on average annually (last 3 years ending 2018-19) on TOP 0947.50 - Truck and Bus Driving. In the East Bay Sub-Region, there are no community colleges that issued awards on average annually (last 3 years) on this TOP code.

Table 7. Community College Awards on TOP 0947.50 - Truck and Bus Driving in Bay Region

College	Subregion	Certificate Low	Total
Mission	Silicon Valley	17	17
Total		17	17

Source: Data Mart

Note: The annual average for awards is 2016-17 to 2018-19.

Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 3,613 annual openings for the Heavy Truck Driving occupational cluster and 17 annual (3-year average) awards for an annual undersupply of 3,596 students. In the East Bay Sub-Region, there is also a gap with 1,431 annual openings and no annual (3-year average) awards for an annual undersupply of 1,431 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0947.50 - Truck and Bus Driving

Metric Outcomes	Bay All CTE Programs	Las Positas All CTE Programs	State 0947.50	Bay 0947.50	East Bay 0947.50	Las Positas 0947.50
Students with a Job Closely Related to Their Field of Study	73%	72%	N/A	N/A	N/A	N/A
Median Annual Earnings for SWP Exiting Students	\$44,575	\$40,987	\$55,046	\$55,046	N/A	N/A
Median Change in Earnings for SWP Exiting Students	30%	31%	31%	30%	42%	42%
Exiting Students Who Attained the Living Wage	53%	50%	52%	49%	79%	79%

Source: Launchboard Strong Workforce Program Median of 2016-18.

Skills, Certifications and Education

Table 9. Top Skills for Heavy Truck Driving Occupations in Bay Region (Sep 2020 - Aug 2021)

Skill	Posting	Skill	Posting
Commercial Driving	2,832	Hazardous Materials Endorsement	514
HAZMAT	1,934	Freight Handling	441
Truck Driving	1,493	Product Delivery	366
Customer Service	1,307	Vehicle Inspection	360
Forklift Operation	1,168	Hand Trucks	340
Post Trip Inspections	967	Over The Road	333
Scheduling	939	Sales	286
Cleaning	759	Global Positioning System (GPS)	284
Customer Contact	743	Law Enforcement or Criminal Justice Experience	254
Product Sales	726	Flatbed Trucks	249
Lifting Ability	645	Basic Mathematics	248
Pre Trip Inspections	623	Occupational Health and Safety	240
Personal Protective Equipment (PPE)	542	Materials Transport	213
Repair	525	Drop and Hook	199

Source: Burning Glass

Table 10. Certifications for Heavy Truck Driving Occupations in Bay Region (Sep 2020 - Aug 2021)

Certification	Posting	Certification	Posting
CDL Class A	7,817	First Aid Cpr Aed	66
Driver's License	5,698	Ca License	31
Cdl Class B	842	Department of Transportation (DOT) Certified	30
OSHA Forklift Certification	234	Hazardous Materials Certification	28
Air Brake Certified	157	Automatic Transmission Certification	28
Cdl Class C	124	Hazwoper	23
Certified Driver	106	Business License	18
Department of Transportation (DOT) Medical Certification	76	Occupational Safety and Health Administration Certification	11

Source: Burning Glass

Table 11. Education Requirements for Heavy Truck Driving Occupations in Bay Region

Education (minimum advertised)	Latest 12 Mos. Postings	Percent 12 Mos. Postings
High school or vocational training	2,375	100%
Associate's degree	3	0%

Source: Burning Glass

Note: 84% of records have been excluded because they do not include a degree level. As a result, the chart above may not be representative of the full sample.

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
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

Contacts

For more information, please contact:

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Program Mapping Template (Program: _____)

AA
 AS
 AA-T
 AS-T
 COA
 CC

*This is an example course sequence. All plans can be modified to fit the needs of part-time students by adding more semesters.
 Students must meet with a counselor to complete an individualized educational plan.*

SEMESTER 1 - FALL

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 2 - SPRING

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 3 - SUMMER

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 4 - FALL

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 5 - SPRING

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				
Total Major Coursework				
Total Units Required				

Program Mapping Template (Program: _____)

AA
 AS
 AA-T
 AS-T
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Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 2 - SPRING

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 3 - SUMMER

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 4 - FALL

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				

SEMESTER 5 - SPRING

Courses	Units	Semesters Offered	Prereq?	Advisory Notes
SEMESTER TOTAL				
Total Major Coursework				
Total Units Required				

PSLOs / SLOs

APRT 51

1. Explain state and federal rules that regulate the different types of commercial motor vehicles
2. Recognize the need for defensive driving skills to prevent fatalities, injuries, and property damage
3. Define defensive driving and state the 5 Smith System Safety Keys

APRT 52

1. Perform a safety inspection
2. Correctly merge onto a freeway
3. Perform preinspection

Certificate

1. Identify defensive driving strategies and skills for avoiding collisions in limited/reduced visibility, traction, and space conditions
2. Perform a proper pre-trip, in-route and post trip inspection of a truck/tractor and trailer
3. Demonstrate the safe and proper way to enter and exit the cab of a commercial vehicle
4. Back a tractor and trailer with reasonable proficiency