Earn and Learn Occupations Tool

LMI Advisory Group Meeting
November 4, 2021

Employment Development Department
State of California

Earn and Learn Occupations Tool

- Interactive tool
- Assist job seekers, workforce partners, businesses
- Highlights occupations that may offer a work based learning scenario
- Regional Planning Units (Local Areas)

Earn and Learn Occupations Tool

- Methodology
  - Growth industries
  - Staffing patterns
  - Middle-skill
    - Some college, up to, and including, associate degrees
  - Middle to high-wage
    - 80 percent or more of the local area's total, all occupations median annual wage

Earn and Learn Occupations Tool

- Where can you find our tool?
  - Under LMI by Geography
    - Regional Planning Units

  - Under LMI by Customer
    - Job Seekers and Students
      - Occupations in Demand

About This Tool	Earn and Learn Occupations	Training Centers	America's Job Center of California	Methodology

About this Tool

This web-based, interactive tool, developed by the California Employment Development Department's Labor Market Information Division allows job seekers and workforce partners to identify potential occupations for earn and learn opportunities in their local area. Workforce professionals can use the tool to assist job seekers in finding occupations that have a potential for on-the-job training while gaining classroom knowledge. Job seekers can use the tool as a guide to find occupations that will pay middle to high-wages in their local area and offer minimum training to aid in joining the job market faster.

The tool offers three components:

1. Middle-skill and middle to high-wage earn and learn occupations.
2. Training institutions in the local area that offer courses related to the identified occupations.
3. Job centers across California to assist the job seeker with job readiness skills.

Tabs

· Earn and Learn Occupations Tab: The California map allows users to select their local area to find the top middle-skill and middle to high-wage occupations. Hover over a county or region and more information will display in a fly-out graphic.
· Training Centers Tab: This tab shows where training may exist in a local area. The icons along the bottom of the tab provide more information on training, such as apprenticeships offered through the California Division of Apprenticeship Standards. Data used to identify training centers comes from the Integrated Postsecondary Education Data System (IPEDS). Some limitations exist with the IPEDS. One notable discrepancy is with the varied computer-user related programs. An educational institution may report program completers under the desktop support technician certificate and not computer user support specialist certificate. This may show no results in a local area for a computer user support specialist when looking for a training center. However, it is possible the training does exist and you are encouraged to look for further information in your area.
· America's Job Center of California (AJCC) Tab: California has job center offices across the state. These centers offer a variety of services to bring employers with job openings and qualified job seekers together at no cost. The centers also help job seekers find training in their local area. Use this tab on the tool to find your local office for assistance with training questions. Select the AJCC icon at the bottom of the page for more information.

General Terms

· Earn and learn: A method of organized training that may include a blend of workplace experience and classroom learning, or experiences outside the traditional school setting. Earn and learn positions provide opportunities for students to connect to real-life work events and likely career fields. Some examples of earn and learn opportunities are formal apprenticeships, internships, work experience, and formal mentorships. This method is also commonly referred to as work based learning opportunities.
· Local area: A single county or group of counties with similar economic and demographic characteristics, which facilitate regional planning for workforce and economic development; also referred to as Regional Planning Units (RPU). There are 15 local areas located throughout the state. To see which RPU includes your local area or county, hover over the California map on the Earn and Learn Occupations tab.
· Middle-skill: An occupation that requires more than a high school diploma, but less than a bachelor's degree.
· Middle to high wage: Eighty percent or more of the local area's median annual wage.
· Standard Occupational Classification (SOC) Code: A standard used by federal and state agencies to categorize workers into occupational groups for the purpose of collecting, calculating, or distributing data.
· Training Centers: An institution that offers classroom training where people gain skills, knowledge, and abilities required for effective job performance. Training centers offer online and in person classes. The training centers identified are both private and public institutions.

About This Tool | **Earn and Learn Occupations** | Training Centers | America's Job Center of California | Methodology

Earn and learn occupations can include a blend of workplace experience and classroom training. These types of occupations offer opportunities for job seekers to gain real-life work skills and increase their career options. Select your local area to the left to find the top middle-skill and middle to high-wage occupations.

2016-2026 Earn and Learn Occupations

SOC Code	Occupational Title	Base Year Employment 2016	Projected Year Employment 2026	Total Job Openings 2016-2026	Median Hourly Wage	Median Annual Wage
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,247	3,290	3,638	$19.46	$40,472
53-3032	Heavy and Tractor-Trailer Truck Drivers	2,494	2,752	3,018	$22.93	$47,695
31-9092	Medical Assistants	1,574	1,960	2,247	$17.85	$37,122
49-3023	Automotive Service Technicians and Mechanics	1,358	1,476	1,420	$23.31	$48,489

About This Tool | Earn and Learn Occupations | **Training Centers** | America's Job Center of California | Methodology

To find training centers that offer education programs related to the occupations identified, select your local area and an occupation from the drop-down boxes. Some occupations may not appear in the drop-down box due to limitations of our data source (IPEDS). However, these occupations may have other types of training available. Use the America's Job Center of California tab to find skilled professionals who can assist you to locate training options, i.e. distance learning or supplementary training programs. The icons along the bottom offer additional occupational information, such as apprenticeships and

Local Area: North State

Occupation: Automotive Service Technicians and Mechanics

Butte College
3536 Butte Campus Dr.
Oroville, CA 95965
(530) 895-2511

Lassen Community College
478-200 Highway 139
Susanville, CA 96130
(530) 257-6181

Shasta College
11555 Old Oregon Trail
Redding, CA 96003
(530) 242-7500

About This Tool | Earn and Learn Occupations | Training Centers | **America's Job Center of California** | Methodology

California has job center offices located across the state. These centers offer a variety of services to bring employers with job openings and qualified job seekers together at no cost. The centers also help job seekers find training in their area. Select your local area from the drop-down box to find an America's Job Center of California near you. You can also click on an icon on the map or a listing on the table to find out more information.

Local Area

(All)

Find Providers by City

(All)

AJCC EG - South County
8401 A Gerber Road
Sacramento, CA 95828
Monday - Thursday 8 a.m. - 4 p.m., Friday 8 a.m. - 12 noon
Phone: 916-793-2319

Alhambra AJCC
2550 West Main Street, Suite 101-103
Alhambra, CA 91801
Monday - Friday 8:30 a.m. - 5 p.m.
Phone: 626-677-2600

America's Job Center of California - Back to Work Center
1405 Commercial Way, Suite 120
Bakersfield, CA 93309
Monday - Friday 8 a.m. - 5 p.m.
Phone: 661-325-4473

America's Job Center of California - Bakersfield
1600 E. Belle Terrace, 2nd Floor
Bakersfield, CA 93307
Monday - Friday 8 am-5 pm, Resource Room 8 am-4:30 pm
Phone: 661-325-4473

Methodology

The project goal is to identify the top middle-skill and middle to high-wage occupations per local area to support or develop earn and learn opportunities. For this study, a local area is defined as a single county or group of counties with similar economic and demographic characteristics, which facilitate regional planning for workforce and economic development; also referred to as Regional Planning Units. There are 15 local areas located throughout the state. Earn and learn occupations are a method of organized training that may include a blend of workplace experience and classroom learning, or experiences outside the traditional school setting; also commonly referred to as work based learning occupations.

Industries

Research began with the Quarterly Census of Employment and Wages (QCEW) program data. This is the most detailed industry data available. Analysis of the QCEW data allowed identification of the following economic indicators that, when combined, stimulate growth in an area:

· Expanding opportunity (annual average employment growth)
· Improved competitiveness and sub-sector specialization (strong employment concentration)
· Job quality (annual average wage growth)

These economic indicators were applied to pinpoint growing sub-sectors. The Labor Market Information Division (LMID) defines growth sub-sectors as having an employment concentration greater than 1.0 and employment growth. When a sub-sector's employment concentration is greater than 1.0, it has the potential to export products or knowledge out of the local area, and has a competitive advantage based on a greater employment concentration in the local area compared to California. Employment growth over the study period implies the likelihood to add more jobs in the future.

For some local areas, both growing and emerging industries were identified to obtain a larger number of occupations to choose from in the second phase of the study. The LMID defines sub-sectors that are emerging as having a concentration less than 1.0, and employment growth. An employment concentration less than 1.0 signifies that the sub-sector's products or services are in demand, but may not be quite at the concentration level to export products or services outside of the local area.

In addition to the parameters above, the study identified sub-sectors with employment levels greater than one percent and annual average wages greater than that of the local area.The study focused on sub-sectors with employment levels greater than one percent to create more job opportunities. For example, if a sub-sector had an employment level of 0.5 percent, that may represent 50 jobs in that local area and it is unlikely the sub-sector would produce enough jobs to establish a training program. Sub-sectors with annual average wages greater than that of the local area were chosen because of job quality. These parameters uncovered the largest number of potential occupations for the next phase of the study.

Occupations

Staffing patterns are a list of the occupations employed within a particular industry, or a list of the industries that employ a particular occupation. The latter was applied to find occupations for each sub-sector identified in phase one. The occupations were then cross-walked with occupational projections data for the same local areas. Middle-skill and middle to high-wage occupations were the next filters. Middle-skill occupations are those that require more than a high school diploma, but less than a bachelor's degree. Middle to high-wage occupations are those that encompass 80 percent or more of the local area's total, all occupations median annual wage. Some local areas do not have ten occupations. This is due to the criteria set in order to identify the best job potential opportunities. Total, all occupations is the estimate of all occupational data collected for that local area.

Earn and Learn Occupations Tool

- Data provided in excel format as well.

- Sources are listed and linked at the bottom of each page.

Contact for Questions

- Local Area Consultants
  - Under General Information
    - Contact LMI
      - List of Labor Market Consultants by County (PDF)

- Methodology Questions
  - Contact me: sheila.stock@edd.ca.gov

QUESTIONS?