## CAREER PATHWAYS FOR ADULT EDUCATION

# **ABOUT CAREER PATHWAYS**

Career Pathways combine education, work readiness and job training to attain necessary skills and credentials for specific in-demand occupations or industries. Career Pathway maps illustrate how students can move along a career path in a specific occupational area from adult education through post-secondary or advanced job-training programs and into employment. To advance along a career pathway more quickly, explore opportunities to participate in education and training concurrently. It is suggested that this map be used in conjunction with information on specific education and training programs in Wyoming or in your local area.

Transportation & Logistics

Industrial & Engineering Technology Career Cluster

**Sector Description:**

The transportation sector includes occupations in transportation infrastructure and those that move people or

goods. Industries in transportation include freight and logistics, airlines, and airport services, marine ports and

services, roads and highways, railroads, trucking, and marine ports and services. A special license is sometimes

required to operate certain vehicles in the transportation sector.

 Name:\_\_\_\_\_\_\_\_\_\_\_\_

 **Sample Entry or Certificate Options**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Commercial Vehicle Driver

**Sample Advanced or Degree Options**

Flight Attendant

 **Sequential -or- Concurrent**

Transportation, Storage & Distribution Managers

#### Adult Education

-Core Skills: Reading, Writing, Math, Science

-English Language Skills

-Career Exploration & Planning

-High School Equivalency Preparation

-Employability Skills & Digital Literacy

-Integrated Education and Training

-Work Experience Trainings

Distribution Manager

Automotive Technician

Logistics Analyst

Railroad Brake, Signal & Switch Operators & Locomotive Firers

Urban Planner

Bus Driver (School or Transit)

##### Additional Occupational Options

* Vehicle Inspector **Customized Pathway-Jobs/Courses**
* Rail, Road, or Transit Worker
* Freight Worker
* Taxi Driver
* Shipping Clerk
* Transportation Security Screener

## CAREER PATHWAYS FOR ADULT EDUCATION- Transportation & Logistics

**ADULT EDUCATION-High School Equivalency (HSE)**

**Median Wages: $10.49 Hourly / $21,818 Annual**

Many jobs require a high school diploma/equivalent. The official HSE tests (GED or HiSET)

require that students demonstrate proficiency in English, reading, writing, math, science

and social studies.

**SKILLS**

* read for comprehension
* understand math and its practical applications to the career
* using scientific rules & methods to solve problems
* effective oral and written communication skills
* strong critical thinking abilities: use of logic and reasoning to identify strengths and

weaknesses of alternative solutions, conclusions or approaches to problems.

* Digitally literate: proficient in Word, Excel and Powerpoint

COMMERCIAL DRIVER

Median Wages: $28.65 Hourly / $59,592 Annual

**Description**: Drive a tractor-trailer combination or a truck with a capacity of at least 26,001 pounds Gross Vehicle Weight (GW). May be required to unload truck. Requires commercial drivers’ license.

**Job Duties**

* Inspect loads to ensure that cargo is secure
* Maintain logs of working hours or of vehicle service or repair status, following applicable state & federal regulations
* Couple or uncouple trailers by changing trailer jack positions, (dis)connecting air or electrical lines, or manipulating fifth-wheel locks
* Maneuver trucks into loading /unloading positions, following signals from loading crew & checking that vehicle & loading equipment are properly positioned
* Operate equipment, such as truck cab computers, CB radios,, phones or GSP equipment to exchange necessary information with bases, supervisors or other truck drivers.

**RAILROAD, BRAKE, SIGNAL & SWITCH OPERATORS & LOCOMOTIVE FIRERS**

**Median Wages: $34.13 Hourly / $ $71,000 Annual**

**Description:**  Operate or monitor railroad track switches or locomotive instruments. May couple or uncouple rolling stock to make up or break up trains. Watch for and relay traffic signals. May inspect couples, air hoses, journal boxes and hand brakes. May watch for dragging equipment or obstacles on rights-of-way.

**Job Duties**

* Signal locomotive engineers to start/stop trains when coupling or uncoupling cars, using hand signals, lanterns, or radio communication
* Operate locomotives in emergency situations
* Make minor repairs to couplings, air houses, and journal boxes, using hand tools
* Inspect tracks, cars & engines for defects & to determine service needs, sending engines & cars for repairs as necessary.

**FLIGHT ATTENDANT**

**Median Wages: $30.65 Hourly / $63,760 Annual**

**Description:** Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.

**Job Duties**

* Verify that first aid kits & other emergency equipment, including fire extinguishers & oxygen bottles, are in working order.
* Monitor passenger behavior to identify threats to the safety of the crew & other passengers
* Walk aisles of planes to verify that passengers have complied with federal regulations prior to takeoffs & landings
* Direct & assist passengers in emergency procedures, such as evacuating a plane following an emergency landing

**LOGISTICS ANALYST**

**Median Wages: $37.27 Hourly / $77,520 Annual**

**Description:** Analyze product delivery or supply chain processes to identify or recommend changes, may manage route activity including invoicing, electronic bills,, and shipment tracing.

**Job Duties**

* Monitor the flow of vehicles or inventory, using web-based logistics information systems to track vehicles or containers
* Communicate with or monitor service providers, such as ocean carriers, air freight forwarders, global consolidators, customs brokers, or trucking companies

**TRANSPORTATION, STORAGE, AND DISTRUBITON MANAGER**

**Median Wages: $47.39 Hourly / $98,560 Annual**

**Description:** Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.

**Job Duties**

* Plan, develop, or implement warehouse safety & security programs and activities
* Analyze the financial impact of proposed logistics changes, such as routing, shipping modes, product volumes or mixes, or carriers
* Establish or monitor supply chain-based performance measurement systems

**OTHER OCCUPATION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Median Wages:**

**Description:**

**Job Duties**