

TRANSPORTATION



This group of occupations involves planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water. It includes related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Career Symbols Key: ■ Preferred Education ▼ Projected 2008 Texas Employment ● Annual Average Job Openings ★ Salary Range

AIR TRAFFIC CONTROLLERS: Control air traffic on and within vicinity of airport and movement of air traffic between altitude sectors and control centers according to established procedures and policies. Authorize, regulate, and control commercial airline flights according to government or company regulations to expedite and insure safety of flight. ■ = Long-term on-the-job training. ▼ = 3,241. ● = 111. ★ = \$59,596 - \$65,869.

AIRCRAFT ENGINE SPECIALISTS: Repair and maintain the operating condition of aircraft engines. Includes Helicopter Engine Mechanics. Excludes Aircraft Mechanics whose primary duties do not involve engine repair and Electrical System Specialists. Observes instruments to determine that factors such as fuel and oil pressure, acceleration, and temperatures meet specifications. Performs functional test of systems such as landing gear and door, rigging and controls. ■ = Associate degree. ▼ = 2,417. ● = 55. ★ = \$37,169 - \$41,081.

AIRLINE PILOTS, COPILOTS, AND FLIGHT ENGINEERS: Pilot and navigate flight of private or commercial aircraft for the transportation of passengers, freight, mail, or other purposes. Must be Federally licensed. Includes occupations concerned with flight operations and maintenance when a pilot's or flight engineer's license is required. Includes test pilots, helicopter pilots, and pilots who accompany other pilots to test and review proficiency. ■ = Bachelor's degree. ▼ = 9,593. ● = 262. ★ = \$91,864 - \$101,534.

AUTOMOTIVE GLASS INSTALLERS AND REPAIRERS: Repair, repaint, and refinish automotive vehicle bodies, straighten vehicle frames, and replace damaged vehicle glass. May examine damaged vehicles and estimate the cost of repair. Removes damaged fenders, panels and grills using wrenches and cutting torch and bolts or welds replacement parts into position. May remove dents using hammer and fill depressions with solder or plastic adhesive. Files, grinds and sands repaired surfaces. ■ = Long-term on-the-job training. ▼ = 16,354. ● = 630. ★ = \$26,755 - \$29,571.

AUTOMOTIVE SPECIALTY TECHNICIANS: Adjust, repair, and overhaul automotive vehicles. May be designated according to specialties, such as Brake Repairers, Transmission Mechanics, or Front-end Mechanics. Excludes Auto Body Repairers, Bus and Truck Mechanics, Diesel Engine Specialists, and Electrical Systems Specialists. May estimate damage for customer and negotiate repair cost. May use computerized diagnostic equipment to identify engine malfunctions. ■ = Post-secondary vocational training. ▼ = 63,602. ● = 2,329. ★ = \$26,735 - \$29,550.

BUS AND TRUCK MECHANICS AND DIESEL ENGINE SPECIALISTS: Repair and maintain the operating condition of trucks, buses, and all types of diesel engines. Also include those mechanics working primarily with automobile diesel engines. Diagnoses trouble, disassembles engines, and examines parts for defects and wear. Reconditions and replaces parts. May specialize in a specific type of diesel engine repair eg. farm machinery, con-

struction, auto etc. ■ = Long-term on-the-job training. ▼ = 21,219. ● = 670. ★ = \$26,478 - \$29,266.

BUS DRIVERS, SCHOOL: Transport students between pick up points and school. Maintain order during trip and adhere to safety rules when loading and unloading pupils. ■ = Short-term on-the-job training. ▼ = 27,080. ● = 790. ★ = \$17,013 - \$18,804.

BUS DRIVERS, TRANSIT AND INTERCITY: Drive bus to transport passengers over specified routes to local or distant points according to a time schedule. Assist passengers with baggage and collect tickets or cash fares. ■ = Moderate-term on-the-job training. ▼ = 21,053. ● = 668. ★ = \$22,843 - \$25,247.

CIVIL ENGINEERS: Perform a variety of engineering work in planning, designing, and overseeing construction and maintenance of structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, water and sewage systems, and waste disposal units. Include Traffic Engineers who specialize in studying vehicular and pedestrian traffic conditions. ■ = Bachelor's degree. ▼ = 14,919. ● = 520. ★ = \$54,360 - \$60,082.

DISPATCHERS: Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers or for normal installation, service, or emergency repairs rendered outside the place of business. Duties may include use of radio/telephone to transmit assignments and compiling statistics and reports on the progress of work. Exclude Dispatchers, Police, Fire, and Ambulance. ■ = Moderate-term on-the-job training. ▼ = 14,641. ● = 426. ★ = \$24,542 - \$27,125.

DRIVER/SALES WORKERS: Drive truck or other vehicle over established routes to deliver and sell goods, such as food products; to collect and deliver items, such as laundry; or to collect coins, refill, and service vending machines. Include newspaper delivery drivers. ■ = Short-term on-the-job training. ▼ = 21,175. ● = 578. ★ = \$19,365 - \$21,403.

ELECTRICAL POWER-LINE INSTALLERS AND REPAIRERS: Install and repair cables or wires used in electrical power or distribution systems. Install insulators, erect wooden poles and light or heavy duty transmission towers. Include workers such as Cable Splicers and Trouble Shooters. Excludes repairers of transformers and substation equipment, and telephone and telegraph communications workers. ■ = Long-term on-the-job training. ▼ = 11,140. ● = 440. ★ = \$31,636 - \$34,966.

FLIGHT ATTENDANTS: Provide personal services to insure the safety and comfort of airline passengers during flight. Greet passengers, verify tickets, record destinations, and assign seats. Explain use of safety equipment. Serve meals and beverages. ■ = Long-term on-the-job training. ▼ = 13,439. ● = 529. ★ = \$35,904 - \$39,683.

PILOTS, SHIP: Assume command of vessels, such as tugboats, ferryboats, or dredges, that travel into and out of harbors, estuaries, straits, sounds, rivers, lakes, bays, and oceans.

Must hold license issued by U.S. Coast Guard. Orders worker at the helm to steer ship, and navigates ship to avoid reefs, shoals and other hazards to shipping, utilizing aids to navigation like buoys and lighthouses. ■ = Work experience. ▼ = 1,428. ● = 68. ★ = \$42,879 - \$47,393.

RAILROAD CONDUCTORS AND YARDMASTERS: Conductors: coordinate activities of train crew engaged in transporting or providing services to passengers on passenger train, in transporting freight on freight train, or coordinate activities of switch-engine crew engaged in switching railroad cars within yard of railroad, industrial plant, or similar location. Yardmasters: coordinate railroad traffic activities of workers engaged in makeup/breakup of trains or switching inbound & outbound. ■ = Work experience. ▼ = 3,073. ● = 152. ★ = \$36,576 - \$40,426.

RESERVATION AND TRANSPORTATION TICKET AGENTS: Make and confirm reservations for passengers and sell tickets for transportation agencies such as airlines, bus companies, railroads, and steamship lines. May check baggage and direct passengers to designated concourse, pier, or track. Workers selling tickets for subways, city buses, ferryboats, and street railways should be classified as Cashiers. ■ = Short-term on-the-job training. ▼ = 25,256. ● = 572. ★ = \$23,752 - \$26,252.

SHIPPING, RECEIVING, AND TRAFFIC CLERKS: Verify and keep records on incoming and outgoing shipments and prepare items for shipment. Duties include assembling, addressing, stamping, and shipping merchandise or material; receiving, unpacking, verifying, and recording incoming merchandise or material; and arranging for the transportation of products. Exclude Laborers, Stock Clerks, and workers whose primary duties involve weighing and checking. ■ = Short-term on-the-job training. ▼ = 70,171. ● = 1,665. ★ = \$21,637 - \$23,915.

TELECOMMUNICATIONS LINE INSTALLERS AND REPAIRERS: String and repair telephone and telegraph cable and other equipment for transmitting messages or TV programming. Duties include locating and repairing defects in existing systems; placing, rearranging, and removing underground or aerial cables; installing supports, insulation, or guywire systems; and other auxiliary tasks necessary to maintain lines and cables. ■ = Long-term on-the-job training. ▼ = 22,772. ● = 1,229. ★ = \$30,213 - \$33,393.

TRACTOR-TRAILER TRUCK DRIVERS: Drive tractor-trailer combination or truck with a capacity of at least 3 tons to transport and deliver goods, livestock, or materials in liquid, loose or packaged form. May be required to unload truck. ■ = Moderate-term on-the-job training. ▼ = 149,677. ● = 4,587. ★ = \$24,680 - \$27,278.

TRUCK DRIVERS, LIGHT OR DELIVERY SERVICES: Drive truck, van, or automobile with a capacity under 3 tons. May drive light truck to deliver or pick-up merchandise and load and unload truck. ■ = Short-term on-the-job training. ▼ = 103,108. ● = 3,280. ★ = \$18,515 - \$20,464.