

AIRCRAFT MAINTENANCE TECHNICIAN/PILOT

DEFINITION: Under general supervision, performs work of considerable difficulty in performing and supervising the inspection, maintenance or serving of aircraft to ensure airworthiness; pilots fixed wing aircraft to transport passengers and luggage; performs related work as assigned.

ESSENTIAL FUNCTIONS: This list is ILLUSTRATIVE ONLY and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.

TASKS:

Supervises all aspects of aircraft maintenance operations; prepares cost estimates and aircraft maintenance budget projections; performs aircraft maintenance; disassembles, overhauls and rebuilds various airframe and engine systems and components; performs Phase I, II, III and IV inspection intervals in accordance with aircraft manufacturer procedures and Federal Aviation Administration (FAA); inspects and returns aircraft to service in accordance with Aircraft Inspector Authority; performs routine aircraft maintenance to ensure aircraft airworthiness and availability; maintains inventory of aircraft parts; maintains and cleans aircraft hangar and related equipment.

Performs preflight duties by inspecting airworthiness, completing flight plans, route considerations, SAFE meteorological analysis and passenger safety conditions; prepares, reviews and files flight plans and schedules; operates aircraft in accordance with regulations and procedures established by FAA; performs post flight duties upon arrival at destination by securing aircraft, ensuring any maintenance is performed and refuels aircraft; ensures all freight is properly secured when transporting freight; maintains logs; prepares required reports.

KNOWLEDGE, SKILLS AND OTHER CHARACTERISTICS:

- Knowledge of FAA regulations pertinent to aircraft operations.
- Knowledge of flight scheduling and pilot limitations in accordance with FAA regulations.
- Knowledge of aircraft weight and balance computations.
- Knowledge of FAA regulations concerning inspection, maintenance and repair of aircraft.
- Knowledge of inspecting aircrafts, locating and diagnosing mechanical, electrical, hydraulic, structural and related aircraft components.
- Knowledge of maintaining, repairing and overhauling components, airframe, accessories and engines.
- Knowledge of operation and preventive maintenance requirements of aircrafts.
- Skill in the operation of complex aircraft as pilot-in-command.
- Skill in the use of tools, equipment, materials and methods of the aircraft mechanic trade.
- Skill in the interpretation of mechanical, electrical and schematic diagrams and technical instructions.
- Ability to pilot an aircraft safely to destination and in adhering to flight plan.
- Ability to make minor repairs and alterations of aircraft appropriate to airframe and power plant ratings.
- Ability to inspect aircraft according to safety standards for returning aircraft to service after minor repairs and alterations.
- Ability to read and interpret blueprints and technical publications.

PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT: Work requires flexible hours working within the flight schedules and with the public; working in noisy environment with exposure to various types of weather conditions. Work requires the ability to lift 50 lb. objects, the flexibility to bend over and work on knees when required. Work is in a large heated aircraft hangar.

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MINIMUM QUALIFICATIONS:

- Graduation from a certified aviation maintenance technical school; and three (3) years of practical experience inspecting, maintaining and servicing high performance civilian aircraft; and three (3) years paid experience in single and multi-engine aircraft operations, 4,000 hours as pilot-in-command and 2,000 hours multi-engine time.

PREFERRED QUALIFICATIONS:

- Five (5) years of practical experience inspecting, maintaining and servicing high performance civilian aircraft.

SPECIAL REQUIREMENTS:

- Possess a valid FAA Airframe and Power Plant Mechanic's License.
- Possess a valid FAA Commercial Pilot's License with single, multi-engine aircraft and instrument certification.
- Possess a current Instrument Competency Endorsement and a current Class II Medical Certificate,
- Possess a valid state driver's license.
- Must pass FAA mandated physical examination.
- Must possess own aircraft hand tools necessary to perform duties as maintenance technician.

Depending upon the needs of the Nation, some incumbents of the class may be required to demonstrate fluency in both the Navajo and English languages as a condition of employment.