

CITY OF BURBANK

HELICOPTER MECHANIC

DEFINITION

Under general supervision, to inspect, repair and maintain helicopters, helicopter piston engines, helicopter turbine engines, including rotor systems, transmissions, fuel controls, governors, magnetos, and Police equipment used on helicopters; and to do related work as required.

ESSENTIAL FUNCTIONS

Performs inspections required by helicopter manufacturers and FAA regulations in various locations where helicopters are housed; responds to various scenes and locations for helicopter repairs; inspects and diagnoses rotor systems and power train vibrations; performs alterations required to meet Police Department requirements; inspects and diagnoses Police and aircraft radio malfunctions; operates computerized balancer/analyzer; tracks and balances helicopter rotor systems; removes and replaces time life components; performs sheet metal repairs, composite repairs, and builds sheet metal brackets and panels as required; services and lubricates engines, transmissions, and rotor systems; interprets electrical circuits and machine drawings of helicopter equipment; operates, tests, and repairs equipment and power tools used in helicopter repair and service work; adheres to manufacturer service bulletins, letters, instructions, and FAA airworthiness directives; maintains records of work performed as required by FAA regulations; performs FAA required annual inspections; performs all work under the established safety practices; drives on City business.

MINIMUM QUALIFICATIONS

Employment Standards:

- Knowledge of – FAA requirements pertaining to helicopter maintenance and safety; the tools, systems, mechanical, and electronic equipment used in the inspection, repair, and diagnosis of helicopters; laws and regulations relating to safety;
- Ability to - Perform safe practices and procedures; diagnose mechanical troubles and determine appropriate maintenance work; troubleshoot and repair rotor systems, instrumentation and electrical systems; troubleshoot and repair helicopter power plants; perform sheet metal repairs and composite repairs and modifications per FAA regulations; communicate in English effectively, both orally and in writing; ability to read, write and comprehend directions in English; establish and maintain effective working relationships with supervisors, fellow employees, and the public.

Education/Training: Graduation from high school, GED high school equivalent, or California High School Proficiency Exam (CHSPE) Certificate; completion of FAA recognized training or education in field of helicopter or aircraft maintenance and five years of recent experience in helicopter maintenance, of which at least three years must have been in the maintenance of the MD 500 helicopter.

Special Conditions & Requirements: Willingness to work flexible hours and overtime as requested.

License & Certificates: A valid California Class "C" driver's license or equivalent at time of appointment; applicants must possess a FAA Airframe and Power Plant Certificate and must obtain a FAA Inspection Authorization within 24 months of appointment.

SUPPLEMENTAL INFORMATION

None.