



University System of Maryland Job Class Specification

TITLE: ELEVATOR TECHNICIAN I
FLSA: NONEXEMPT
EEO6: H60
IPEDS-SOC: 47-4021

JOB CODE: N15EL1
JOB TYPE: SYSTEMWIDE
JOB FAMILY/SERIES: PHP MNT

APPROVED BY: Chancellor's Designee:
Joann Goedert, Associate Vice Chancellor

EFFECTIVE DATE: 9/9/2013

JOB SUMMARY

Under general supervision, inspects, maintains, calibrates, modifies electrical and electronic circuitry and electrical, electronic, hydraulic and mechanical equipment of passenger and freight elevator systems and power lift systems.

PRIMARY DUTIES

1. Conducts diagnostic tests for malfunctions in elevator and other conveying systems by using specialized computer based diagnostic software and standalone programming tools from various elevator control manufacturers.
2. Installs, repairs, replaces, calibrates, and reprograms elevator control system equipment, such as microprocessor based computerized floor selectors, electronic motor variable frequency drives, door operators, velocity encoders and other electrical, electronic and high pressure elevator hydraulic systems.
3. Reads and interprets blueprints, diagrams, sketches, electronic, hydraulic, pneumatic and electrical schematics and job specifications.
4. Performs elevator safety inspections and maintains appropriate records.
5. Responds to elevator emergencies and may assist in rescue efforts.

Note: The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

MINIMUM QUALIFICATIONS

EDUCATION: High School Diploma or GED required.

EXPERIENCE: Four years recent, active and progressively responsible experience in the elevator industry, in construction, maintenance, and service or repair of elevators as an elevator technician/mechanic.

OTHER: Employees in an Elevator Technician position must be licensed as an elevator

mechanic by the Maryland Department of Labor, Licensing and Regulations. Certification by a nationally recognized training program (such as NAEC, etc.) as an Elevator Technician preferred and participation in mandated continuing education program to keep licensure and/or certification current.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

Thorough knowledge, skills and experience in maintaining and upgrading elevators. Experience troubleshooting and repairing complex single and multiphase AC and DC variable speed motor drives and controls, various types of elevator relay logic or solid state control systems using conventional diagnostic equipment along with specialized computer based manufacturers diagnostic tools. Comprehensive knowledge of OSHA and other applicable regulations and codes related to the elevator trade. Ability to read, interpret, and work from blueprints, drawings, electronic and electrical schematics, and specifications. Ability to work in, around, over and under fixed machinery and equipment; to work from ladders and scaffolding; to manipulate heavy equipment, tools and/or exert force up to 70 lbs.; to concurrently manipulate multiple controls on machinery and equipment; to work in hazardous and irritating environments, confined spaces, elevator shafts and pits; to wear and work with personal protective equipment.

OTHER: Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

CONDITIONS OF EMPLOYMENT

None