



STATE OF NEVADA
Department of Administration
Division of Human Resource Management

CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
DENTAL EQUIPMENT TECHNICIAN	31	G	10.265

Under limited supervision, Dental Equipment Technicians install, repair and maintain a variety of electronic, hydraulic, mechanical and pneumatic equipment in support of dental educational and patient care programs.

Assemble and install new and replacement parts and equipment in accordance with manufacturers' technical manuals and guidelines; test and calibrate dental equipment to ensure optimum functioning; explain and demonstrate proper operation of equipment to personnel.

Diagnose equipment malfunctioning and repair dental chairs, foot controls, hand pieces, casting machines, laboratory ovens, ultrasonic cleaners and sterilizers, operatory lights and other items; select appropriate methods, materials and techniques to restore proper operation; repair or replace worn or defective parts.

Determine if equipment can be repaired or needs replacement; contact vendors and locate parts; develop cost estimates and send equipment to external repair facilities as required.

Service dental equipment according to preventive maintenance schedules and manufacturer's recommendations; clean, adjust and lubricate parts; change filters; test and recalibrate equipment to acceptable performance levels.

Respond to emergency breakdowns and requests for service as required.

Operate a wide variety of hand and power tools and test equipment used on electrical, hydraulic and pneumatic dental equipment.

Maintain an adequate inventory of common repair parts and materials; order items and replenish stock according to established purchasing procedures; maintain inventory and related records.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

EDUCATION AND EXPERIENCE: Graduation from high school or equivalent education and three years of experience in the maintenance and repair of dental equipment; **OR** an equivalent combination of education and experience as described above.

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

Working knowledge of: hydraulic equipment, x-ray test equipment, mechanical tools, and voltmeters; operation, maintenance and repair of a variety of dental equipment; health and safety regulations applicable to a dental laboratory and patient care; standard dental office or dental school practices and procedures; proper use and care of hand and power tools used to repair and maintain dental equipment. **Ability to:** install and service dental laboratory equipment; inspect and test malfunctioning dental and related equipment following manufacturers' specifications using test and analysis instruments; maintain, repair and fabricate dental equipment parts; operate ohmmeters, voltmeters, various electronic testing equipment, and x-ray test equipment; design and work out operating details of dental equipment; move heavy dental equipment; read and

MINIMUM QUALIFICATIONS (cont'd)

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (cont'd)

interpret complex mechanical and electrical layouts from diagrams or schematics; read and understand technical repair manuals, maintenance specifications, and service agreements; apply sterile techniques and infection control procedures as needed; maintain records of equipment maintenance or service such as cleaning, lubrication and adjustment; disassemble malfunctioning equipment and remove, repair and replace defective parts; explain and demonstrate correct operation and preventive maintenance of dental equipment to personnel.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job):

Detailed knowledge of: standard dental school/dental office practices and procedures. **Ability to:** establish and maintain effective working relationships with students, employees, and other agencies; use independent judgment in determining the appropriate method or course of action to take in repairing and maintaining dental equipment.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

10.265

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