



University System of Maryland Job Class Specification

TITLE: DENTAL LABORATORY TECHNICIAN
FLSA: NONEXEMPT
EEO6: H50
IPEDS-SOC: U-519081

JOB CODE: N09DLU
JOB TYPE: INST SPECIFIC UMB
JOB FAMILY/SERIES: DEN

APPROVED BY: Chancellor's Designee:
Donald Tynes, Director of Human Resources

EFFECTIVE DATE: 6/5/1997

JOB SUMMARY

Under general supervision, performs technical procedures involved in the fabrication and repair of dental appliances according to dentist's prescription. Work may be performed in one or more options which include Removable Prosthodontics (RP) or Fixed Restorative (FR).

PRIMARY DUTIES

1. Reads work authorizations and examines working casts and impressions to determine the type of dental appliance to be made or repaired. (RP) (FR)
2. Develops wax patterns for cast frameworks including pontic areas. (RP)
3. Sprues, burns, casts, and finishes cast cases by cutting, grinding, and polishing metal on high speed lathe. (RP) (FR)
4. Solders, arc welds, or spot welds metal to removable appliances and fixed bridges. (RP) (FR)
5. Instructs undergraduate and post graduate students through personal demonstration in setting of teeth, proper construction of custom trays, occlusal rims, record bases, wax patterns, and other laboratory procedures. (RP)
6. Performs specialized procedures such as the fabrication of plastic and porcelain facings; precision attachment restorations; crowns; and bridges. (FR)
7. Uses a variety of hand tools and instruments such as adjustable and semi-adjustable articulators, high temperature porcelain furnaces, and conventional lathes. (FR)
8. Instructs undergraduate and post graduate students through personal demonstration in waxing of single unit restoration, duralay coping, models for removable dies and investing of wax patterns. (FR)

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9. Ensures compliance with federal, state and university rules and regulations, including disease prevention and infection control.

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.

EXPERIENCE: Four years directly related experience in a commercial, educational, or private dental office/laboratory.

OTHER:

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

Thorough knowledge of standard laboratory practices including safe operation of required tools and equipment. Thorough knowledge of dental porcelain systems and precious and non-precious metal systems. Thorough knowledge of and skill in the use and maintenance of dental laboratory tools and equipment. Ability to read, interpret, and work from specifications or prescriptions. Ability to communicate effectively orally and in writing. Ability to establish and maintain effective working relationships. Ability to wear and work in personal protective equipment. Ability to operate computers and other standard office 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

Candidates selected for employment may be subject to medical inquiries and/or medical examination to determine the ability to perform the job. Overtime, weekend, on-call, and shift work may be required in some positions.