

Dental Technician

DESCRIPTION OF WORK: Positions in this banded class provide specialized dental support through the production of dental restorations and appliances. Positions fabricate a variety of dental appliances and restorations such as: complete dentures, removable and partial dentures, ceramic dental restorations, gnathostatic casts, and maxillo-facial fabrication. Positions operate dental laboratory equipment and variety of equipment in specialty areas. Work requires knowledge of materials and the technical aspects of dentistry and dental anatomy.

EXAMPLES OF COMPETENCIES: CONTRIBUTING:

Knowledge-Technical: General knowledge of the technical aspects of dentistry and dental Anatomy as it relates to production of dental restoration and appliances. General knowledge of dental laboratory equipment. General knowledge of dental materials (porcelains, plasters, gold, acrylic veneers).
Equipment Operation: Applies general knowledge of dental equipment, use of, and minor maintenance to fabricate dental products.

Production Fabrication: Ability to follow standard design specifications in the production of dental restorations and appliances; ability to follow applicable research protocols.

Instruction: Ability to train and instruct students and other staff in the use of dental products and equipment.
Communication: Ability to communicate effectively with colleagues, students, faculty, and other health care professionals. Ability to follow instructions and guidelines for fabrication of dental products.

JOURNEY

Knowledge-Technical: Considerable knowledge of the technical aspect of dentistry and dental anatomy as it relates to production of dental restoration and appliances. Considerable knowledge of dental laboratory equipment. Considerable knowledge of dental materials. Ability to continually learn new clinical techniques and technologies in the field of dental restoration and apply technologies as a specialized technician or in supervision of lower level technicians as appropriate.

Equipment Operation: Ability to apply full knowledge of dental equipment, use of, and general maintenance to fabricate dental products. May require ability to supervise and train staff in the use of dental laboratory equipment.

Production Fabrication: Ability to follow design specifications in the production of a variety of dental restorations and appliances; ability to follow applicable research protocols. Ability to make adjustments in product design as needed.

Instruction: Ability to train, instruct and consult students and other staff in the use of dental products and equipment. Ability to monitor and assess performance of others as needed to make improvements or take corrective action.

Communication: Ability to present ideas in a clear, concise, organized manner. Ability to communicate with other staff to modify instructions and guidelines for fabrication of dental products.

ADVANCED

Knowledge-Technical: Comprehensive knowledge of the technical aspect of dentistry and dental anatomy as it relates to production of dental restoration and appliances. Considerable knowledge of dental laboratory equipment and maintenance of equipment. Comprehensive knowledge of dental materials. Knowledge of laboratory administration such as safety procedures, policy administration, material and equipment procurement, and supervision of others. Has or acquires CDT certification in specialty areas needed in the position, including ceramics, crown and bridge, removable prosthodontics, and orthodontics.

Equipment Operation: Ability to apply comprehensive knowledge of dental equipment, use of, and preventative equipment maintenance to fabricate dental products. Ability to supervise and train others in the use of dental laboratory equipment. Ability to maintain inventory of departmental supplies and equipment.

Production Fabrication: Ability to oversee and train other technicians in the production of a variety of complex dental restorations and appliances; ability to follow applicable research protocols. Ability to design innovative solutions and make adjustments in products as needed.

Instruction: Ability to train, instruct, and consult on a variety of more complex productions of dental restorations and appliances. Ability to provide direct supervision for staff and quality control of dental production products. Ability to manage materials and teaching aids fro classes.

Communication: Ability to communicate expectations to other employees, which may include formal/informal training. Ability to communicate information needed to manage laboratory operations. Ability to consult with and advise other professional staff and develop innovative solutions.

MINIMUM TRAINING AND EXPERIENCE: High school diploma or equivalency and two years related work experience; or completion of a two year dental laboratory technology training program; or equivalent combination of training and experience.

Special Note: This is a generalized representation of positions in this class and is not intended to reflect essential functions per ADA. Examples of competencies are typical of the majority of positions, but may not be applicable to all positions.