

DENTAL X-RAY TECHNICIAN SERIES

<u>Code No.</u>	<u>Class Title</u>	<u>Occ. Area</u>	<u>Work Area</u>	<u>Prob. Period</u>	<u>Effective Date</u>	<u>Last Action</u>
3914	Dental X-ray Technician I	02	447	6 mo.	11/15/09	Rev.
3915	Dental X-ray Technician II	02	447	6 mo.	11/15/09	Rev.
3920	Dental X-ray Technician III	02	447	6 mo.	11/15/09	Rev.

Promotional Line: 156

Series Narrative

Dental X-ray Technicians perform pre-approved clinical oral and maxillofacial radiographic examinations. They instruct students enrolled within the college in the technique of obtaining diagnostic quality images of the teeth and surrounding structures. They demonstrate proper radiographic techniques as a method of introducing students to the methods used in acquiring radiographs. Dental X-ray Technicians perform all functions within the infection control and radiation safety guidelines. They complete standard recordkeeping duties for department and to assist with student instruction.

DESCRIPTION OF WORK LEVELS

Level I: Dental X-ray Technician I

3914

The employee is at the entry level and will perform pre-approved intra-oral dental radiographic examinations. This includes the processing and mounting of intra-oral films. They perform equipment maintenance and routine equipment cleaning. The Dental X-ray Technician I will monitor, instruct and teach the acquisition of intra-oral films and panoramic films on manikins and patients of record.

A Dental X-ray Technician I will typically:

1. operate, including start up of intra-oral dental x-ray processor equipment
2. organize and distribute radiographs to assist with patient care
3. expose films on assigned patients
4. process and mount radiographic images
5. provide films to departmental staff for technical evaluation
6. re-take films as required for patient care
7. monitor students to ensure compliance with protocols related to infection control and radiation safety
8. complete appropriated departmental records including those related to student progress
9. assist in the daily maintenance of dental x-ray equipment
10. schedule patients, answer telephone calls
11. demonstrate proper infection control technique and radiation safety protocols. Monitor students to ensure compliance with posted college protocols related to infection control and radiation safety.
12. rename, transfer, archive and manipulate digital image data set
13. capture, evaluate and teach image technique
14. demonstrate digital two-dimensional (2D)/three-dimensional (3D) imaging technique to students and residents

15. acquire two dimensional (2D)/three-dimensional (3D) image data sets on patients of record when instructed to do so by the director/supervisor
16. other duties as assigned by supervisor/director

Level II: Dental X-ray Technician II**3915**

The employee will perform pre-approved intra-oral dental and maxillofacial radiographic examinations on patients. This includes the processing and mounting of intra-oral films, acquiring and processing panoramic and skull films and evaluating the technical quality of films taken by students. The Dental X-ray Technician II will monitor, instruct and teach the acquisition of intra-oral films and panoramic films on manikins and patients of record.

A Dental X-ray Technician II will typically:

1. demonstrate proper technique for acquiring diagnostically acceptable films to staff/students
2. determine when re-taking films is necessary and monitor/instruct students in corrective actions
3. demonstrate proper infection control technique and radiation safety protocols. Monitor students to ensure compliance with posted college protocols related to infection control and radiation safety
4. evaluate and instruct students to develop technical skill and competence
5. identify students with specific areas of technical difficulty and guide students in overcoming obstacles and achieving clinical competence
6. assist in the daily breakdown and maintenance of dental x-ray equipment
7. rename, transfer, archive and manipulate digital image data set
8. capture, evaluate and teach image technique
9. demonstrate digital two-dimensional (2D)/three-dimensional (3D) imaging technique to students and residents
10. acquire two dimensional (2D)/three-dimensional(3D) image data sets on patients of record when instructed to do so by the director/supervisor
11. perform the duties of lower level of this series as required
12. other duties as assigned by supervisor/director

Level III: Dental X-ray Technician III**3920**

The employee will perform pre-approved intra-oral dental and maxillofacial radiographic examinations on patients registered within the College of Dentistry. This includes the processing and mounting of intra-oral films, acquiring and processing panoramic and skull films and evaluating the technical quality of analog and digital images taken by students. The Dental X-ray Technician III will monitor, instruct and teach the acquisition of intra-oral films and panoramic films on manikins and patients of record.

A Dental X-ray Technician III will typically:

1. assist Dental X-ray Technician I and Dental X-ray Technician II in obtaining quality images on clinically challenging cases
2. demonstrate digital two-dimensional (2D)/three-dimensional (3D) imaging technique to students and residents registered at the College of Dentistry

3. acquire two dimensional (2D)/three-dimensional (3D) image data sets on patients of record when instructed to do so by the director/supervisor
4. rename, transfer, archive and manipulate digital image data set
5. capture, evaluate and teach image technique
6. identify students with specific areas of technical difficulty and guide students in overcoming obstacles and achieving clinical competence
7. demonstrate proper infection control technique and radiation safety protocols. Monitor students enrolled in the College of Dentistry to ensure compliance with posted college protocols related to infection control and radiation safety.
8. perform the duties of lower level of this series as required
9. other duties as assigned by supervisor/director

MINIMUM ACCEPTABLE QUALIFICATIONS REQUIRED FOR ENTRY INTO:

Level I: Dental X-ray Technician I

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CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

Six (6) months of experience or training:

- a. clinical work experience in a dental office or university setting completing intra-oral radiographs

OR

- b. credit for college/university/vocational training in dental care

15 semester hours = six (6) months

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. Ability to follow instructions and designated protocols established by the College of Dentistry.
2. Ability to work well with others and communicate effectively on matters related to patient health and safety.
3. Organizational skills necessary to contribute to a large health care facility.
4. Punctuality.
5. Attentiveness to assigned tasks.
6. Ability to capture, store and archive digital image data set

Level II: Dental X-ray Technician II

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One (1) year (12 months) of experience or training:

- a. clinical work experience in Dentistry comparable to that of a Level I of this series

OR

- b. credit for college/ university/vocational training in dental care

15 semester hours = six (6) months

30 semester hours = twelve (12) months

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. Ability to follow instructions and designated protocols established by the College of Dentistry.
2. Ability to work well with others and communicate effectively on matters related to patient health and safety.
3. Organizational skills necessary to contribute to a large health care facility.
4. Punctuality.
5. Attentiveness to assigned tasks.
6. Ability to instruct others in a clear and concise manner.
7. Ability to communicate well in small groups and answer technical questions related to radiographic examinations.
8. Ability to capture, store and archive digital image data set

Level III: Dental X-ray Technician III

3920

CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER

Two (2) years (24 months) of experience or training:

- a. clinical work experience in Dentistry comparable to that of a Level II of this series.

OR

- b. credit for college/ university/vocational training in dental care

15 semester hours = six (6) months

30 semester hours = twelve (12) months

45 semester hours = eighteen (18) months

60 semester hours = twenty-four (24) months

PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB

1. Ability to follow instructions and designated protocols established by the College of Dentistry.
2. Ability to work well with others and communicate effectively on matters related to patient health and safety.
3. Organizational skills necessary to contribute to a large health care facility.
4. Punctuality.
5. Attentiveness to assigned tasks.
6. Ability to instruct others in a clear and concise manner.
7. Ability to communicate well in small groups and answer technical questions related to radiographic examinations.
8. Ability to capture, store and archive digital image data set.