

Dental Assistant

DNAS 100 CPR for Dental Assistant Program

Credit Hours: 1

Students will review didactic material concerning: CPR theory, when to initiate/discontinue CPR, proper compression and ventilation techniques, Heimlich maneuver, hazards of CPR, assessment skills. Students will demonstrate: proper compression and ventilation techniques (on mannequins), Heimlich maneuver for clearing an obstructed airway, to include pregnant and obese patients. AED policies and procedures. Student will need to pass a written exam with a minimum score of 80%.

DNAS 101 Fundamentals in Dental Assisting

Prerequisite: Acceptance into Dental Assistant Program

Credit Hours: 2

Introduces the profession of dental assisting, which includes; history of the profession, educational requirements, functions and credentials of dental health team members, ethics and legal aspects of dentistry, the patient record, and dental terminology.

DNAS 105 Anatomy & Physiology for Dental Assistants

Prerequisite: Successful completion of DNAS 101 - Fundamentals in Dental Assisting, DNAS 110 - Infection Control for Dental Practices, DNAS 111 - Dental Materials I, DNAS 114 - Chairside Assisting I, DNAS 118 - Dental Radiology I, DNAS 119 - Dental Anatomy.

Credit Hours: 1

Material will cover the body systems, physiology and anatomy of those systems and the relationship and interaction of the systems in relationship with dental treatment.

DNAS 107 Dental Health Education

Prerequisite: Successful completion of DNAS 101 - Fundamentals in Dental Assisting, DNAS 110 - Infection Control for Dental Practices, DNAS 111 - Dental Materials I, DNAS 114 - Chairside Assisting I, DNAS 118 - Dental Radiology I, DNAS 119 - Dental Anatomy.

Credit Hours: 2

This course will cover the basic study of oral health and prevention of dental disease with emphasis on: dental health education, dental diseases, nutrition, oral pathology, and the philosophy of preventive dentistry.

DNAS 110 Infection Control for Dental Practices

Prerequisite: Acceptance into Dental Assistant Program

Credit Hours: 2

This course will cover: microbiology, disease transmission and infection control, waste management practices and the importance of principles and techniques of disinfection and sterilization in the dental practice.

DNAS 111 Dental Materials I

Prerequisite: Acceptance into Dental Assistant Program

Credit Hours: 4

This course will cover: identification of materials used in general dentistry, physical and chemical properties of dental materials, functions and classifications of dental materials, waste management, and regulatory agencies. Students will learn the principles of safety and aseptic technique involved in working with materials and equipment as well as laboratory practice with impression materials, and gypsum products.

DNAS 114 Chairside Assisting I

Prerequisite: Acceptance into Dental Assistant Program

Credit Hours: 4

This course will cover: the principles of working as a dental team member, the operation and maintenance of dental equipment, positioning of the dental team and patient, identification of instruments, instrument transfer, protection of the oral cavity during dental procedures, and the application of expanded functions in Kansas.

DNAS 118 Dental Radiology I

Prerequisite: Acceptance into Dental Assistant Program

Credit Hours: 3

*Refer to the Placement Testing Procedure 3.22, page 24 ** Refer to Course Transfer, page 18

Students will learn the basic principles of diagnostic radiography including: radiography equipment, radiation characteristics, radiation biology, protective measures, regulations, bisecting angle and paralleling techniques, extra oral radiology, and anatomical landmarks. Instruction and laboratory techniques include: exposure, processing, mounting and evaluation of dental films using the mannequins.

DNAS 119 Dental Anatomy

Prerequisite: Acceptance into Dental Assistant Program.

Credit Hours: 2

This course covers the development of the oral cavity, teeth, and supporting structures. The primary and permanent teeth are studied in detail as well as the major anatomic landmarks of the head and neck. Also included is dental charting of teeth and conditions.

DNAS 125 Dental Science

Prerequisite: Successful completion of DNAS 101 - Fundamentals in Dental Assisting, DNAS 110 - Infection Control for Dental Practices, DNAS 111 - Dental Materials I, DNAS 114 - Chairside Assisting I, DNAS 118 - Dental Radiology I, DNAS 119 - Dental Anatomy.

Credit Hours: 2

This course will provide the student with knowledge of medical emergencies that may arise in the dental setting. The student will be expected to recognize signs and symptoms of specific emergencies to assist in the delivery of the suggested treatment. The patient record is also discussed in regard to patient health history. Study of pharmacology anesthesia, and pain management, particularly as it relates to the dental practice.

DNAS 135 Chairside Assisting II

Prerequisite: DNAS 114 - Chairside Assisting I

Credit Hours: 3

This course continues and builds upon the principles of working as a team member during restorative and preventive procedures while using various types of dental materials.

DNAS 138 Dental Radiology II

Prerequisite: DNAS 118 - Dental Radiology I

Credit Hours: 1

Students will gain radiographic interpretation knowledge, including: identification of restorations, dental materials, caries, diseases of the dental pulp and soft tissues. This course also includes a review of radiation protection and quality assurance in the dental office.

DNAS 140 Dental Practice Management

Prerequisite: DNAS 105 -Anatomy & Physiology for Dental Assistants, DNAS 107 - Dental Health Education, DNAS 125 - Dental Science, DNAS 135 - Chairside Assisting II, DNAS 138 - Dental Radiology II, DNAS 144 - Clinical Experience I.

Credit Hours: 3

This course will provide instruction in additional business office procedures, supplies and inventory, expenses and disbursements, banking procedures, recording fees charged and paid, collections, computer applications in the dental office, and dental insurance. Job seeking skills are also included.

DNAS 144 Clinical Experience I

Prerequisite: Successful completion of DNAS 101 - Fundamentals in Dental Assisting, DNAS 110 - Infection Control for Dental Practices, DNAS 111 - Dental Materials I, DNAS 114 - Chairside Assisting I, DNAS 118 - Dental Radiology I, DNAS 119 - Dental Anatomy.

Credit Hours: 4

Opportunity to apply and practice the principles and procedures studied in the formal academic program within the clinical setting. Settings include: private practice dental offices (both general practice and specialty offices), government clinics, and public health facilities. Students will demonstrate the principles of chairside assisting, dental laboratory procedures, and dental office procedures.

DNAS 151 Clinical Experience II

Prerequisite: DNAS 144 - Clinical Experience I.

Credit Hours: 3

*Refer to the Placement Testing Procedure 3.22, page 24 ** Refer to Course Transfer, page 18

In private practice dental offices (both general and specialty practices), government clinics and public health facilities, the students will continue demonstrating the principles of chairside assisting, dental and laboratory procedures, and business office procedures. Scheduled clinical seminars will provide an opportunity to review and discuss procedures and clinical experiences.

Diagnostic Medical Sonography

DMS 201 Introduction to Sonography

Prerequisite: Acceptance into Sonography Program

Credit Hours: 2

This course designed to introduce the student to the basic responsibilities of a diagnostic medical sonographer. The course will include medical terminology and abbreviations, ergonomics, bioeffects, and knobology used in diagnostic ultrasound. Introduction to Sonography will build upon the ethics and law curriculum from your radiology program and apply it to the ultrasound setting. Patient confidentiality and rights will be explained along with the professional codes of conduct for a diagnostic medical sonographer.

DMS 205 Sonography Sectional Anatomy & Abdominal Pathology I

Prerequisite: Acceptance into Sonography Program

Credit Hours: 4

This course will serve as an introduction to the study of diseases of the abdomen as related to the normal and abnormal appearance on a sonogram. This will include understanding of the physiology, pathology, and pathophysiology of the abdominal structures, including but not limited to thyroid, breast, prostate, scrotum, urinary tract, small parts, non-cardiac chest, and MSK imaging. Doppler applications will be applied to all structures covered in this course. The normal vs. abnormal laboratory values will be demonstrated.

DMS 206 OB/GYN for Sonography I

Prerequisite: DMS 205 Sonography Sectional Anatomy & Pathology I

Credit Hours: 3

This course will begin with the normal anatomy of the female abdominopelvic wall/floor (MSK), cavities, and organs. A description of the physiology of the female pelvic organs will also be included as well as an in depth study of the female menstrual/ovarian cycle. This course will also include an introduction to the normal anatomy of the first, second, and third trimester fetus, as well as normal measurements. Infertility methods and how they are utilized will be covered, as well as how they affect the female pelvic system. Doppler application will be applied to all areas covered in this course. The normal vs. abnormal laboratory values will be demonstrated. The normal placenta and Amniotic Fluid values will also be a course of study. Study on Transabdominal as well as Transvaginal scanning and application will be covered. Lastly, this course will discuss the pitfalls, artifacts, and normal variants that occur with pelvic/obstetrical ultrasound.

DMS 207 OB/GYN for Sonography II

Prerequisite: Introduction to OB/GYN Anatomy, Pathology, and Physiology

Credit Hours: 3

This course is a continuation of the OB/GYN for Sonography I course. In this course we will build further upon the foundation we have already created. Included will be neoplastic, infectious, congenital, and metabolic immunologic pathology/anomalies of the female pelvis, first, second, and third trimesters, placenta and umbilical cord. This course will also include discussion about normal vs. abnormal amniotic fluid levels and the correlation with pathology/anomalies. Also discussed in this course is fetal therapy for anomalies. Doppler application will be applied to all areas. Protocol and procedures of OB scanning will be covered in depth.

DMS 209 Introduction to OB/GYN and Vascular Sonography Lab

Prerequisite: Acceptance into Sonography Program

Credit Hours: 2

This course is an introduction to vasculature, OB/GYN anatomy, and different Doppler waveforms within the specific structures. The student will learn different approaches and techniques to vascular and OB/GYN ultrasonography, to include an introduction to the normal anatomy of the first, second, and third trimester fetus. Doppler application will be applied to all areas covered in this course. This course will introduce the student to Doppler imaging of the abdomen, extremities, intracranial vessels, and Ankle brachial indexes, Plethysmography, and OB/GYN.

*Refer to the Placement Testing Procedure 3.22, page 24 ** Refer to Course Transfer, page 18