

Hemodialysis with Phlebotomy Technician Training Program
CIP Code: 51-1011

Course Description:

Hemodialysis or dialysis is a medical procedure in which waste products and extra free water are removed from the blood when the kidneys are in a state of kidney failure (kidneys are not functioning normally). Hemodialysis technicians are responsible for operating the dialysis machines and monitoring the patients undergoing treatment. Therefore Dialysis Technicians have both patient and equipment care responsibilities. During treatment, the blood travels through tubes from the patient's body into the dialysis machine. While the blood is in the machine, it goes through a filter called a dialyzer, which removes waste and extra fluid. Once blood has been cleaned, it travels through tubes from the dialysis machine back into patient's body.

Dialysis is usually administered either in the hospitals or in specially equipped dialysis centers. Most dialysis technicians are employed by hospitals, hospital outpatient clinics or dialysis centers. The Dialysis technicians are supervised by registered nurses. After successfully completing the program, students will be awarded Certificate of Completion from our College approved by the State. Also students will be eligible to take National Certification Exams for Certified Phlebotomy Technician, and, BONENT National Certification to become Certified Dialysis Technologist.

Program Objectives:

- Learn the role and responsibility of dialysis technician
- Learn the fundamentals of hemodialysis
- Learn the process of filtration of blood
- Learn the basics of setting up and operating dialysis equipment
- Learn to monitor and adjust fluid removal rate
- Learn human anatomy & physiology, especially the Kidney system
- Learn Phlebotomy, blood draw and injections
- Learn to inserts dialysis needles into a patient's arm veins
- Learn to monitor and record vital signs during treatment
- Learn to record blood sugar & hemoglobin
- Learn patient care & safety
- Learn medication administration
- Learn to clean, assemble and maintain equipment
- Learn to work as an individual and as teamwork

Program Duration:

8 months

Clock Hours:

720

Program Curriculum:

DIA 101 Medical Terminology

DIA 102 Anatomy and Physiology

DIA 103 Hemodialysis Technology I

DIA 104 Hemodialysis I Lab

DIA 104 Phlebotomy

DIA 104 Phlebotomy Lab

DIA 105 Hemodialysis Technology II

DIA 106 Hemodialysis II Lab

DIA 107 Hemodialysis Externship

Program Format:

The College will offer this program in on-ground format as well as in hybrid format in which students can take didactic/ theory courses using online delivery method.

Program Completion:

A Certificate of Completion will be awarded to those students who will successfully complete all required courses as per college's Satisfactory Academic Requirements and fulfill their financial obligation towards the college.

Certification:

Graduates who will meet additional requirements, including but not limited to ethics requirements, of the credentialing agency will be eligible to challenge national certification exam to become certified by passing the credentialing examination.