Frequently Asked Questions

Q: I need to improve my earlier study habits, so should I really try to go back to school?
A: Here at NPC, it is quicker to learn and easier to graduate and you can catch up in what you missed in earlier school, if need be.

Q: How do I know if Hemodialysis is a right career choice for me?
A: Making a career decision is an important choice; NPC has qualified staff in admissions that can help you find out what is best for you.

Q: Will I get enough hands-on experience?
A: NPC provides you with plenty of practical experience as part of the classes that you take in order to fully prepare you for all the job duties you will have in this profession.

Q: How does NPC prepare me for the work place?
A: NPC provides each student an externship where you can get real-world experience. In addition, NPC has a Career Services Center with an excellent placement history.

Student Testimonials

“I work a night shift and I like how NPC provides me with flexible hours from morning to evening class to get my work done.”

“I really feel the support of my instructor and student services, I like that they are concerned with my success.”

“I was a student at a community college for three years and I felt wasn’t getting anywhere. Here I will finish a career in just eight months.”

National Polytechnic College is a fast-track career school that offers easy-to-graduate hands-on training that will confidently prepare you for today’s most demanding professions, leading to a happier, better future.

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Learn a profession,
Be more successful.

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Hemodialysis Technician Program

This is a California Department of Public Health (CDPH) Approved Hemodialysis Training Program. The course is intended for the students who want to pursue a career in the Hemodialysis field and who want to meet the requirements for the CDPH Licensing and Program Board examination to pursue the Clinical Certified Hemodialysis Technician (CCHT) status or the Certified Hemodialysis Technician (CHT) status. These professionals will provide a direct monitored care to patients suffering end stage kidney disease. The Hemodialysis Technician program will educate the student in all aspects of the Hemodialysis treatment being capable to provide qualified and compassionate care to patients in need complying with Healthcare standards required by governmental and private organizations. Students will learn the appropriate Anatomy and Physiology, principles and conditions associated with the kidneys. This course will include Medical Terminology and Physiopathology of kidney disease, instruction focusing upon the recognition of pathological conditions of the kidneys and complications during the Hemodialysis treatment.

Students will focus on kidney’s conditions and treatment options/modalities and will employ analytical and critical thinking skills in identification of pathology and associated complications.

Program Admissions Requirements

- Be at least 18 years of age
- High School Diploma or GED or equivalent
- Able to pass a background & drug screening test

Preferred (Not Required)

- Prior education & work experience in Health Care
- Completion of high school or college level courses in Health Care

Schedule of Classes

Weekday and weekend classes. The school, on an “as needed” basis, will provide tutorial assistance.

Curriculum Sequence

MOD 1: TODAY’S DIALYSIS ENVIRONMENT
The student will understand how dialysis therapy is paid and reimbursed in the United State and understand the importance of Quality standards for dialysis treatment. Locate and describe the external components of the Hemodialysis System.

MOD 2: THE PERSON WITH KIDNEY FAILURE
In this module, the student will recognize and describe the structures and functions of the normal kidney, analyze and discuss acute vs. chronic kidney disease, describe symptoms of uremia and conditions that often occur due to kidney failure.

MOD 3: PRINCIPLES OF DIALYSIS
Students will learn the basic principles of diffusion, filtration, ultra filtration, convection, and osmosis.

Students will understand the principles of fluid dynamics and how they relate to dialysis.

MOD 4: HEMODIALYSIS DEVICES
This module will cover the purpose and characteristics of dialyzers. Students will identify Re-usable and Non-reusable Dialyzers, and explain the purpose and chemical composition of dialysate.

MOD 5: VASCULAR ACCESS
Students will recognize the three main types of vascular access, and the pre-dialysis assessments for all types of vascular access. Methods of needle insertion for AVFs and grafts will be covered as well as pre-dialysis assessment, accessing procedure, exit site care, and monitoring of catheters.

MOD 6: HEMODIALYSIS PROCEDURES AND COMPLICATIONS
Students will be able to describe the predialysis set-up of the hemodialysis machine and extracorporeal circuit and will understand the start, monitoring, and end of a routine treatment.

MOD 7: DIALYZER REPROCESSING
Upon the completion of this module, students will understand the history of dialyzer reprocessing; explain two reasons why dialysis centers reprocess dialyzers, and describe the steps involved in dialyzer reprocessing.

MOD 8: WATER TREATMENT
In this module students will understand the purpose of water treatment for dialysis, and describe the components of a dialysis center’s water treatment system.

MOD 9: CLINICAL EXTERNSHIP
Students will be assigned to a dialysis facility such as a hospital, clinic, or dialysis center; supervision by clinical externship director; students will acquire clinical skills through observation and participation in dialysis patient care under guidance of a clinical preceptor.