

## Take control *of* your future

### CONSIDER A NEW CAREER AS A DIALYSIS TECHNICIAN!



As kidney failure continues to be a growing national health problem, kidney disease is driving the growing demand for well-trained dialysis technicians. Dialysis technicians are employed in hospitals, outpatient clinics, and other medical facilities. While most technician

training has historically been done "on the job," today's healthcare employers are seeking well-trained technicians who possess the necessary knowledge and skills to fill this growing number of positions. Under the supervision of physicians and registered nurses, Dialysis Technicians operate kidney dialysis machines, prepare dialyzer reprocessing and delivery systems, as well as maintain equipment. Furthermore, technicians work with patients during dialysis procedures and monitor and record vital signs.

Nassau Community College (NCC), in partnership with Condensed Curriculum International (CCI), is pleased to offer this Dialysis Technician program. The course is a remote format with 50 hours of instructor-led classes via Zoom video conferencing and online training. You need a computer or tablet with a browser and internet access for Zoom, as well as for the online course access. With your first login, you will be provided with technical requirements to set up your computer. You can preview a demo of an online course at [www.pearsoncustom.com/us/healthed/](http://www.pearsoncustom.com/us/healthed/). Textbook is included.

This training is appropriate for RNs, EMTs, CNAs, PCTs and other health care professionals interested in specializing in dialysis. For those without healthcare experience, this course will provide basic dialysis treatment knowledge to make the student more marketable in applying for an employee training program at a Dialysis Treatment Center.

### Course Information

This Dialysis Technician program provides students with the knowledge needed to perform the duties required of an entry-level dialysis technician trainee. This course covers the following key areas and topics:

- Specific procedures to operate kidney dialysis machines
- Preparation of the dialyzer, reprocessing and delivery systems
- Equipment maintenance

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- Skills to monitor and record a patient's vital signs
- The process for a dialysis teams' administration of local anesthetics and drugs as needed
- Assessment of patients for any complications that occur during a procedure
- Patient training for at-home dialysis treatment and techniques to provide emotional support patients need for self-care

### Detailed Course Topics

- Knowledge and use of aseptic techniques and standard precautions
- Renal physiology and the pathology of renal failure
- How to perform and record physical measurements including weight and vital signs
- Principles of hemodialysis and hematological aspects
- Dialyzer reuse preparation, dialysate, and delivery systems
- Basic body chemistry including fluid and electrolyte balance
- Clinical manifestations of end-stage renal disease
- Routine aspects of hemodialysis
- Dietary regulation and medication problems relating to dialysis
- Acute renal failure and dialysis
- Kidney transplantation
- Peritoneal dialysis
- Diabetes and hemodialysis
- Pediatric hemodialysis
- End-stage renal disease in the elderly
- Composition of dialysate solution
- Anticoagulation and heparin administration
- Handling of hazardous materials

**CE1 274 R1** Remote Course Meets: Tuesday and Thursday, 6:00pm-9:00pm

**March 9 – May 11, 2021**

**Fee: \$1,050**

### Certification

Students with a high school diploma and who complete a minimum of one year of employment as a Dialysis Technician at an End-Stage Renal Disease (ESRD) or medical facility can apply to take the Board of Nephrology Examiners Nursing Technology (BONENT) Certified Hemodialysis Technician certifying exam. For more information, visit <https://bonent.org/>. A current, government-issued ID and a clear record with no felonies is required to take the exam. The exam fee is not included.

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