

# Hemodialysis Technician

## LEARNING OBJECTIVES



This program was designed to help you become a certified clinical hemodialysis technician so you can provide a life-saving service to patients. You'll learn to prepare and operate the hemodialysis machine, take vital signs, draw blood, and document results—and you'll get one voucher for your choice of either the Certified hemodialysis technician credential from BONENT and the Certified Clinical Hemodialysis Technician (CCHT) from the Nephrology Nursing Certification Commission (NNCC).

### Program Orientation

- Identify the elements, expectations, and requirements of the program.
- Learn to navigate the program.
- Use the program tools.
- Identify and use program resources.

### Introduction to Dialysis

- Explore the history of dialysis
- Know the function and structure of kidneys.
- Understand health problems relating to kidney failure.
- Understand the differences between Hypertension and Hypotension.
- Know the difference between Chronic vs Acute.
- Review the purpose of water softeners, carbon tanks, reverse osmosis, ultraviolet light.
- Explore the 5 parts of the extracorporeal blood circuit.
- Understand the steps needed to protect patients during treatment.

### Externship Readiness Skills

- Explore CareerStep Community career resources.
- Develop effective time management skills.
- Enhance your creative and critical thinking.
- Integrate critical and creative thinking skills into your life.
- Learn physical and emotional coping techniques to deal with stress.
- Explore essential ingredients of the communication process.
- Acquire methods to maximize verbal, nonverbal, and written communication.
- Relate the importance of professional image to career success.
- Learn strategies to write a powerful resume.

- Identify key elements of successful interviews.
- Relate the importance of good study habits to your personal success.
- Identify traits related to self-motivation and self-esteem.
- Incorporate a positive and professional attitude in dealing with others.
- Understand that failures are important learning tools.

### Dialysis Initiation and Components

- Learn how to set up equipment.
- Understand processes for documentation and monitoring.
- Discuss how the principles relate to dialysis.
- Describe the principles of fluid dynamics
- Learn the anatomy of the kidneys.
- Learn the role of the renal system.

### Hemodialysis Professional Development

- Define roles of each multi-disciplinary team member including the scope of practice.
- Understand the importance of legislation, research, and networking including patient experience with diversity and struggles.

### HIPAA Workforce Training

- Describe HIPAA basics.
- Understand the HIPAA Privacy Rule and Security Rules.
- Describe the HITECH Act.
- Explain regulations for business associates.
- Summarize HIPAA documentation and training.

### Hemodialysis Final Exam

- Test your knowledge.

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### Applying for Your Required Externship

- Create your profile in the Learner Placement Portal.
- Review the externship preparation resources.
- Explore CareerStep Community career resources.
- Understand the benefits of an externship.
- Access externship participation eligibility requirements.
- Recognize the externship site placement process and considerations.

### Clinical Externship\*

- Earn hours of experience that count towards certification.

### Program Completion

- Create your profile in the Learner Placement Portal.

**\*CareerStep does not guarantee externships.**

A learner's placement in and completion of an externship is solely the learner's responsibility and may be subject to additional requirements, such as a background check and successful completion of a CareerStep course.