

# Hemodialysis Technician

## LEARNING OBJECTIVES



Our 356-hour program is divided into 9 online training courses and a 250-hour Externship Experience that will provide the skills-based knowledge you need to become a successful hemodialysis technician.

### 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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### Initiating Your 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.

**Total Hours: 356**

**106 Coursework, Simulations, and  
Experiential +250 Clinical Externship**