

NASSAU BOCES - ADULT EVENING PROGRAM

Joseph M. Barry Career & Technical Education Center  
1196 Prospect Ave.  
Westbury, NY 11590

COURSE OUTLINE

Course Name: **Hemodialysis**  
Weeks: 5  
Sessions: 10  
Hours: 50  
Days/Time: Mon/Wed 5:00pm-10:00pm  
Instructor: Pullett Freeman  
Required Textbook: None  
Prerequisites: None  
Adult evening Office: (516) 622-6950

Course Overview:

This course provides a study of the renal system, dialysis and renal failure. It is designed to prepare students to become Hemodialysis Technicians. The role of the technician in the care of patients and working on a team with LPNs, RNs and doctors will be discussed.

Hemodialysis Technician Certificate Program: Hemodialysis and documented “hands-on” patient care OR- any course in Health Occupations that meets minimum 98 hours.

Course Topics

Session 1 Introduction to Dialysis  
a. Infection Control (film)  
b. Over-view of Dialysis  
c. Anatomy & Physiology of the Renal System  
Session 2 Principles of Dialysis  
Session 3 Complications  
a. Renal Failure  
b. Dialysis  
c. Vascular Access (film)  
Session 4 Dietary Regime  
a. Social Aspects  
b. Medications  
c. Water Treatment  
Session 5 Quiz and Review  
Session 6 Clinical Sessions  
a. Pre-Conference  
Session 7 Clinical Sessions  
a. Cannulation Exercise  
Session 8 Clinical Sessions  
a. Practice on Hemodialysis Machine  
Session 9 Review  
Session 10 Final Exam