Course Title: Electrocardiography (EKG)

Course Description:
This comprehensive 50 hour EKG Technician Certification Course prepares students to function as EKG Technicians and to take the American Society of Phlebotomy Technician (ASPT) Electrocardiograph (EKG) Technician exam. This course will include important practice and background information on anatomy of the heart and physiology, medical disease processes, medical terminology, medical ethics, legal aspects of patient contact, laboratory assisting, electrocardiography and echocardiography. Additionally, students will practice with equipment and perform hands-on labs including introduction to the function and proper use of the EKG machine, the normal anatomy of the chest wall for proper lead placement, 12-lead placement and other clinical practices.

Course Prerequisite(s):
High School Diploma or GED Equivalent

Course Objectives:
1. Describe the anatomy and physiology of the cardiovascular system
2. Perform basic electrocardiography procedures
3. Interpret basic dysrhythmias
4. Demonstrate appropriate treatments

Textbook(s): (Provided)
1. Basic Arrhythmias - Sixth Edition
2. Student Handouts
3. EKG Slides

Lesson Plan:
Session 1: Cardiac Anatomy and Physiology
Session 2: Electrophysiology
Session 3: Waves and Measurements
Session 4: Waves and Measurements
Session 5: Analyzing EKG Rhythm Strips
Session 6: Sinus Rhythms
Session 7: Atrial Rhythms
Session 8: Atrial Rhythms
Session 9: Junctional Rhythms
Session 10: Heart Blocks
Session 11: Heart Blocks
Session 12: Ventricular Rhythms
Session 13: Ventricular Rhythms
Session 14: Pacemakers, Holter Monitor, Echocardiography, and EKG Study Guide
Session 15: Final Exam

Students must achieve a minimum of 70% final average in order to Pass Competencies.