



ACADEMY OF ALLIED HEALTH SCIENCES

CERTIFIED EKG TECHNICIAN (CET) (CIP Code: 51-902)

EDUCATIONAL OBJECTIVE: This is a basic course in Electrocardiographic (ECG) Preparation, Analysis and Interpretation. This course includes basic skills in patient preparation, lead placements, operation and standardization of the Burdick Models #EK/5 and #EK/5A EKG Machines, basic interpretation of a standard 12-Lead EKG strip including Rate and Rhythm Computations as well as basic Troubleshooting Procedures. The program consists of 90 hours of didactic, laboratory and clinical instruction along with an 18 hour externship within an allied health center.

Description: This is a basic course in electrocardiographic (ECG) Preparation, Analysis and Interpretation. This course includes basic skills in patient preparation, lead placements, operation and standardization of the Burdick Models #EK/5 and #EK/5A EKG Machines, basic interpretation of a standard 12-Lead EKG strip including Rate and Rhythm Computations as well as basic Troubleshooting Procedures. This course will provide you with an overview of basic cardiovascular terminology, anatomy and physiology. Focuses on The proper placement of electrocardiogram (EKG) leads and maintenance of equipment to obtain an accurate 12-Lead EKG. Learn to recognize cardiac arrhythmias. Outlines responsibilities of ECG/EKG technicians and provides clinical laboratory opportunity to develop entry level skills. In this course the student will label the major internal and external structures of the heart, describe the major function of the cardiovascular system, Identify the five types of blood vessels, label the electrical conduction of the heart, explain the reason for performing on EKG, obtain a standard EKG rhythm strip, describe and Identify ECG characteristics of Sinus Rhythms. In addition the student will be able to describe and Identify ECG characteristics of Atrial Rhythms, Identify ECG characteristics of Junctional Rhythms, describe and Identify ECG characteristics of Ventricular Rhythms, describe and identify ECG characteristics of Atrioventricular, describe and Identify ECG characteristics of AV Blocks.

PROGRAM COURSE OUTLINE

Module	Lesson	Hours (lecture)	Hours (lab)
CMA001	Fundamentals of Medical Assisting	4	
CMA003	Medical Anatomy & Physiology	3	
CMA004	Medical Terminology (Clinical)	3	
CMA005	Medical Law and Ethics	3	
CMA006	Asepsis and Infection Control	2	
CMA007	CPR and First Aid	6	12
CET001	Introduction to EKG	2	
CET002	Applied EKG	9	
CET003	Clinical EKG		20
NHA001	HIPAA Compliance	3	
NHA002	Externship		18
NHA003	Certification Exam Review and Certification Exam	3	
NHA004	Career Development	2	
	<u>TOTALS</u>	<u>40</u>	<u>50</u>