

### Electrocardiograph Aide 3

**Course Number:** 8417100 (Health Science I – Prerequisite)  
8417110 (Health Science II – Prerequisite)  
8417161 (Electrocardiograph Aide 3)

**Course Credit:** 0.5

#### Course Description:

This course prepares students to be employed as Electrocardiograph aides. Content includes, but is not limited to, a foundation in the cardiovascular system, safety measures for the individual, co-workers and patients as well as training in the appropriate theories and instruments used by an Electrocardiograph Aide.

#### Course Outcomes:

##### Describe the cardiovascular system

- Locate the heart and surrounding structures.
- Diagram and label the parts of the heart and list the functions of each labeled part.
- Trace the flow of blood through the cardiopulmonary system.

##### Identify legal and ethical responsibilities of an EKG Aide

- Recognize and practice legal and ethical responsibilities as they relate to an EKG aide.
- Maintain a safe and efficient work environment.
- Maintain EKG equipment so it will be safe and accurate.
- Implement appropriate joint commission patient safety goals.

##### Demonstrate knowledge of, apply and use medical instrumentation modalities

- Calibrate and standardize the cardiograph instrument.
- Identify three types of lead systems.
- Demonstrate proper lead placement, including lead placement for patients with special needs.
- Identify artifacts and mechanical problems.
- Perform a 12 lead EKG.
- Recognize normal sinus rhythm.
- Report any rhythm that is not normal sinus rhythm.
- Use documentation skills to identify electrocardiographs.
- State Einthoven's triangle.
- Recognize a cardiac emergency as seen on the EKG.

##### Perform patient care techniques in the health care facility

- Describe the physical and mental preparation of the patient for cardiovascular testing.
- Identify patient and verify the requisition order.
- Prepare patient for cardiovascular diagnostic testing.
- State precautions required when performing diagnostic procedures.

#### Grading Scale:

100-90	A
89-80	B
79-70	C
69-60	D
59-0	F

#### Classroom Grading Policy:

Tests/Projects	40%
Clinical/Quizzes	30%
Class Participation	20%
Homework	10%

Instructor Contact Information: Mrs. Angela Mates, RN BSN [angelamma@leeschools.net](mailto:angelamma@leeschools.net)  
School phone 239-561-0060

### Supplies Needed:

- ❖ Pencils/pens
- ❖ Folder/binder with paper
- ❖ White T-Shirt
- ❖ 3x5 index cards (1 pack minimum)
- ❖ \$10.00 Equipment/lab fee

### Optional Supplies that will help enhance learning:

- ❖ Non-latex exam gloves
- ❖ Pack of white or colored computer paper
- ❖ Hand sanitizer
- ❖ Tissues

### Rules/Expectations:

- Cell phones/electronic devices, ear buds must be off and out of sight at ALL times (no exceptions). See code of conduct book, the penalties are described in full details.
- Please read the code of conduct book regarding the tardy policy. It will be enforced as written. \*\*By reading and reviewing the Code of Conduct book at the beginning of the year, parent and student signatures indicate an understanding of district/school rules.
- Absences – Clinical and classroom time is critical to the success of this class. Absences will be based on the Lee District Medical Academy guidelines that are followed by all District medical academies.
- No late work will be accepted with the exception of excused absences or extenuating circumstances
- It is the student's responsibility to get make-up work, complete it, and turn it in by the due date.
- No gum, candy, food, or drinks in class. Water is permitted. Medical classrooms/labs are unsafe areas for food consumption.
- Adhere to all district rules detailed in the student code of conduct book and the Medical Academy Handbook.
- Code of Conduct: <http://www.leeschools.net/dept/stusvc/Code%20Conduct.htm>
- More than one referral in the medical academy and ISS for any reason will be grounds for removal from the program. Commitment to professionalism and high standards is critical due to increased responsibility.

### Communication:

Lee County School District has developed a phone and internet based communication tool that provides access to your child's grades, attendance, teacher email, and cafeteria balance.

Parentlink (internet sign in)

<http://parentlink.leeschools.net/html/ContentBase/Content/Home/>

School District Calendar – <http://www.leek.12.fl.us.schools.sfm/>

Please call the guidance office to schedule a conference as needed.