EKG TECHNICIAN CERTIFICATION PROGRAM

COST: $999
TOTAL HOURS: 50

SESSIONS OFFERED!
June 5 – July 24, 2017
September 25 – November 13, 2017

TIME
Monday & Wednesday
6:00 - 9:30 p.m.

LOCATION
Learning Resource Center
Room 314
3086 Mobile Highway

CONTINUING EDUCATION
For more information call 334-420-4240 • www.trenholmstate.edu
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**EKG Technician Program – TSCC**

Tuition - $999; Total Hours - 50

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### EKG Technician Program – TSCC

**Tuition - $999; Total Hours – 50**

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EKG Technician Certification Program

This comprehensive 50 hour EKG Technician Certification Program prepares students to function as EKG Technicians and to take the ASPT – Electrocardiograph (EKG) Technician exam and other National Certification Exams. This course will include important practice and background information on anatomy and physiology of the heart, medical disease processes, medical terminology, medical ethics, legal aspects of patient contact, electrocardiography and stress testing. Additionally, students will practice with EKG 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 Contact Hours – 50 hrs.
Fee: $999 (Textbooks included)
Summary of Health Care Training Programs & Exam Information:

EKG Technician Program

EKG Technicians work in physician offices, hospitals, clinics, and other health care facilities and organizations. EKG Technicians also work for insurance companies to establish health and life insurance policies. Similar to other growing healthcare professions, the demand for EKG Technicians is expected to continue to grow substantially.

This comprehensive Certified EKG Technician Program prepares students to function as EKG Technician and to take the American Society of Phlebotomy Technician (ASPT) - Electrocardiograph (EKG) Technician exam.

Certification Exam:
American Society of Phlebotomy Technician (ASPT) - EKG Technician Certification Exam

Exam Requirements:
The cost of the American Society of Phlebotomy Technician (ASPT) – EKG Technician Exam is $50 but you must be a member of the ASPT which costs $35 to join. The exam is administered in multiple locations at multiple times throughout the year and in Most Cases will be administered by your instructor at the end of your training program in your current classroom. Students who take our EKG Technician program are qualified to take the ASPT exam. Additionally, the ASPT requires that you have a high school diploma or a GED equivalent and you must have a recommendation letter from the instructor. For additional information please visit the ASPT at www.aspt.org or call 828-294-0078.
EKG Technicians

EKG Technicians are responsible for performing electrocardiogram tests in order to monitor and record electrical impulses transmitted by the heart. These tests include basic EKGs, Holter Monitoring (portable EKG which records activity for 24-48 hrs.), 12 lead placement and Stress Tests (treadmill). They assist a physician in diagnosing and treating cardiac and blood vessel irregularities.

EKG Technicians – Employment & Education

EKG Technicians work in physician offices, hospitals, clinics, and other health care facilities and organizations. EKG Technicians also work for insurance companies to establish health and life insurance policies. Similar to other growing healthcare professions, the demand for EKG Technicians is expected to continue to grow substantially.

Educational Requirements*

People who are interested in becoming a certified EKG Technician should possess a High School diploma or GED equivalent.

EKG Technician Certification Program

This comprehensive 50 hour EKG Technician Certification Program prepares students to function as EKG Technicians and to take the American Society of Phlebotomy Technician (ASPT) – Electrocardiograph (EKG) Technician exam in addition to other National Certification Exams. 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, the Holter monitor, 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. EKG Technicians also analyze printed readings of EKG tests, measuring various “cardiac intervals and complexes” and determining normal vs. abnormal EKG.

The EKG Technician Certification Program includes a graded final exam to help prepare students for the ASPT – EKG Technician Exam.

EKG Technician Detailed Course Information

- role of the EKG Technician
- function of the EKG Department in a variety of settings (hospital, clinic, office, mobile service)
- introduction to medical terminology
- medical terminology related to electrocardiography
- care & safety of patients, medical & legal aspects
- anatomy of the heart, conduction system, circulation of the heart and blood vessels
- electrical conduction system of the heart
- cardiac cycle (electric system)
- EKG strip analysis (P,Q,R,S,T wave form interpretation)
- normal sinus rhythm, sinus bradycardia, sinus tachycardia
- basic EKG interpretation, sinus rhythm, and ventricular rhythms, asystole; example rhythm
- recognizing artifacts; troubleshooting, tracing problems
- practice EKG strips; EKG rhythms
- preparing a patient for EKG
- 12 lead EKGs (interpretation and troubleshooting)
- 12 lead placement
- echocardiography
- other roles for the EKG Technician
EKG/Cardiovascular Technician Syllabus

Course Objectives:
At the end of this course, the students will be able to:

I. define the role of an EKG Technician
II. use the proper terminology related to the science of electrocardiography
III. describe the normal anatomy of the heart
IV. describe the conduction system of the heart
V. describe the function of the EKG machine and the Holter Monitor and their proper use
VI. describe and identify the normal anatomy of the chest wall for proper lead placement
VII. recognize abnormal EKG tracings from a normal tracing
VIII. demonstrate the proper care and safety of patients
IX. comprehend legal and ethical aspects of patient contact
X. have an understanding (introductory overview) of echocardiography, respiratory therapy as well as medical laboratory assisting

Session 1
- Introduction, Course overview, Course objectives
- Role of the EKG Technician
- Function of the EKG Department in a variety of settings (hospital, clinic, office, mobile service)
- Introduction to Medical Terminology

READING ASSIGNMENT: Chapter 1, pages 3-9. Chapter 5, pages 34-8; 73-4; also for session 2, Chapter 4, 24-33 and pages 293-302

Session 2
- Medical Terminology related to electrocardiography
- Care and Safety of Patients
- Medical and Legal Aspects

READING ASSIGNMENT: Continue on pages 23-33 and 293-302; and pages 18-23, 90-920 ad start on the following for session 3 and 4, pages 41-57 and 74-82

Session 3 Quiz 1 and 2
- Anatomy of the Heart
- Circulation of the heart and blood vessels
- Electrical conduction system of the Heart

READING ASSIGNMENT: Continue pages 41-57 and 74-82

Session 4
- Continuation of above

READING ASSIGNMENT: pages 93-107
Session 5 Quiz 3
- Cardiac Cycle (electric system)
- EKG strip analysis (P, Q, R, S, T wave form interpretation)
- Normal Sinus Rhythm, Sinus Bradycardia, Sinus Tachycardia
READING ASSIGNMENT: pages 93-107

Session 6 Quiz 4
- Basic EKG interpretation continued: Sinus Rhythm (review), and Ventricular Rhythms, Asystole; other example rhythms
- Recognizing artifacts; troubleshooting tracing problems
READING ASSIGNMENT: continue as per Session 5; practice EKG strips

Session 7 Quiz 5
- EKG Rhythms (Continued)
- Preparing a patient for EKG; equipment and supplies
- 12 lead placement
READING ASSIGNMENT: pages 83-92 and 95-97

Session 8
- Equipment demonstration
- Practice using a 12 lead EKG machine
- Introduction into Holter monitoring, Echocardiography
- Introduction into Respiratory therapy

Session 9 Quiz 5 DUE
- Lead placement (continued)
- 12 lead EKG’s (interpretation and troubleshooting)

Session 10 Quiz 6
- 12 Lead EKG (continued)

Session 11
- Echocardiography, Respiratory therapy, Laboratory assign
- Other roles for the Cardiovascular Technician

Session 12
- General review (for final)

Session 13
- Final Exam
ELIGIBILITY
Admission to Continuing Education programs is open to all students unless the class is specifically designed for a limited age group. There are no educational requirements for most courses.

REQUIREMENTS FOR REGISTRATION
Register early to ensure seating in our limited enrollment classes. We advise early registration as enrollment is on a “first come, first served” basis. Tuition must be paid in full at the time of registration. Please keep your receipts for verification. Registration is incomplete until all fees are paid in full.

REGISTRATION OPTIONS
Mail  Mail the completed registration form along with your check or money order to:

        Continuing Education Division
        H. Councill Trenholm State Community College
        Post Office Box 10048
        Montgomery, AL 36108

Make checks payable to Trenholm State Technical College. Postdated checks are not accepted.

Phone  You may use Discover, MasterCard or Visa to register. Please call (334) 420-4240.

Fax  Fax a completed registration form with a Visa, MasterCard, Discover, or purchase order number with billing information to (334) 420-4236.

In Person  Bring the completed registration form to the Office of Continuing Education, Learning Resource Center, Fourth Floor, Room 410, 3086 Mobile Highway. Office hours are Monday - Thursday, 7:30 a.m. - 5:30 p.m., Friday, 7:30 a.m. - 11:30 a.m.

REFUNDS/CANCELLATIONS POLICY
If you withdraw for any reason before the first class meeting, a refund minus a 5 percent administrative processing fee will be mailed. We must receive your refund request in writing at least 24 hours before the class begins. Please include your name, social security number and course name in this request. No refunds will be given after the first class meeting. All registration will automatically be refunded in full for class cancellations due to insufficient enrollment. The Continuing Education office reserves the right to cancel any class that does not have a minimum of ten (10) registrants. Information will include the date, time and location of the course. Every effort is made to notify students of course cancellations by phone or e-mail prior to the start of classes.

NON-SUFFICIENT FUND CHECK POLICY
If your check is returned because of insufficient funds in your account, there is a $30.00 fee. The check will be submitted to the proper authorities for collection. You may be subject to additional fees.

For more information, please visit our website at www.trenholmstate.edu and go to Continuing Education from the main menu.

Call for more information TODAY!
(334) 420-4230
Application for Non-Credit Course

Date: __/__/__  Social Security Number: ___________________________  Date of Birth: __/__/__

Ethnic Origin: ☐ White/Caucasian  ☐ Black/African American  ☐ Asian/Pacific Islander  ☐ Hispanic
☐ American Indian/Alaskan Native  ☐ Other  ☐ Prefer not to respond

Education Level: ☐ GED  ☐ High School Diploma  ☐ College

Gender: ☐ Male  ☐ Female

Name: ____________________________  Last __________  First ________  Middle Initial _____  Maiden __________

Address: ________________________________________________

City __________________________  State ____  Zip __________  County __________

Phone: Day (_)(_)____________________  Cell (_)(_)____________________

Fax: (_)(_)_____________________  Email Address: __________________________

PERSON TO CONTACT IN CASE OF EMERGENCY

Name: ____________________________  Phone: (_)(_)____________________

PAYMENT METHOD

Enclosed is a check for $__________ made payable to Trenholm State Community College

Bill Company via P.O. # ___________ (copy required) Company __________________________

☐ Visa  ☐ MasterCard  ☐ Discover  ☐ WIA Qualified  ☐ Cash (Do not mail cash)

Credit Card # ____________________________  Exp. Date ______/____

Name on Card (please print) __________________________

COURSE TITLE | DATE | FEE

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Total: $__________