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**SCHOOL OF  
CONTINUING AND  
PROFESSIONAL  
STUDIES**



**Winter/Spring 2012**

**PROFESSIONAL AND COMMUNITY ENRICHMENT**

## EKG Technician Certification Program

### **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 and 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.

### **Prerequisite:**

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. There is no clinical requirement for certification. The ASPT certification exam will be administered on completion of the program, at a date and time arranged with the instructor. All fees for the exam will be due to the instructor before the exam date, and are the responsibility of the student. Please visit [aspt.org](http://aspt.org) for general information.

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.

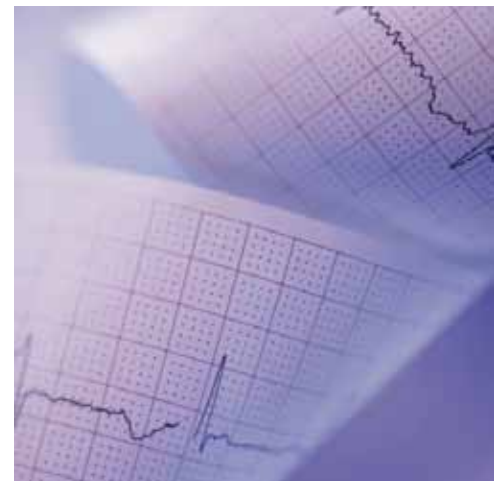
**Course Number: NCHR331**

**Schedule: March 20 – May 8, 2012**

**Tuesdays and Thursdays**

**6 – 9:30 pm (50 Hours)**

**Course Cost: \$999 (textbooks included)**



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**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 and safety of patients, medical and 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 bradycardis, 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

**For more information, contact:**

Professional and Community Enrichment Programs

Salem State University  
352 Lafayette Street  
SB112B  
Salem, Massachusetts 01970

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978.542.6558  
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**Qualifications for certification are:**

- Current ASPT member, and;
- A mounted EKG must be submitted with the completed examination
- An applicant for EKG Technician requires six (6) months practical experience in performing EKGs

OR

- A graduate of an approved EKG Program (this program is an approved EKG course)
- A letter of verification from the instructor or supervisor must accompany the application

OR

- a supervisor/instructor’s signature on application attesting to the above
- Examination Fee \$55 plus membership fee are extra, and are the responsibility of the student.

**Salem State University in partnership with Condensed Curriculum International, Inc. (CCI)**

Since 1993, Condensed Curriculum International, Inc. (CCI) has been offering innovative allied health care training and education program services in partnership with community colleges and universities. Currently, with over 250 college partnerships operating in 40 states, CCI offers multiple, leading health care program services. Now, in partnership with Salem State University, CCI will provide training for those interested in becoming an EKG (ECG) technician, or those interested in pursuing training as a Phlebotomy Technician. These certificate programs prepare you for the American society of Phlebotomy Technician (ASPT) – Electrocardiograph (EKG) technician exam and other national Certification Exams.

**SALEM STATE UNIVERSITY – PROFESSIONAL AND COMMUNITY ENRICHMENT PROGRAMS**

**REGISTRATION FORM** Please Print Legibly

Today’s Date \_\_\_\_\_

Male Name \_\_\_\_\_  
 Female Last First Initial

Address \_\_\_\_\_  
 Number and Street City or Town State Zip Code

Email \_\_\_\_\_

Former name or other name, if any, previously used at SSU \_\_\_\_\_ Home Phone \_\_\_\_\_ Business Phone \_\_\_\_\_

Program No.	Section	Class #	Program	Cost
NCHR331	S1	3601	EKG Technician	\$999
Refunds can be made only for withdrawal before the first meeting.			<b>TOTAL</b>	<b>\$999</b>

**Payment:** MAIL-IN REGISTRATION BY CHECK ONLY  
 MADE PAYABLE TO: SALEM STATE UNIVERSITY

Please complete this form and return this form with full payment (check only) to:

Professional and Community Enrichment  
 Salem State University, Sullivan Building 112B  
 352 Lafayette Street  
 Salem, Massachusetts 01970

**Register Online:** salemstate.edu/noncredit