

ENVIRONMENTAL HEALTH & SAFETY  
THE UNIVERSITY OF TEXAS AT TYLER



AUTOMATED EXTERNAL  
DEFIBRILLATOR  
PROGRAM

2023

# Table of Contents

<b>1. INTRODUCTION .....</b>	<b>3</b>
<b>2. PURPOSE .....</b>	<b>3</b>
<b>3. DEFINITIONS .....</b>	<b>3</b>
<b>4. PROGRAM REQUIREMENTS .....</b>	<b>3</b>
<b>5. PROGRAM RESPONSIBILITIES .....</b>	<b>4</b>
<b>6. TRAINING .....</b>	<b>5</b>
<b>7. AED EMPLOYMENT .....</b>	<b>6</b>
<b>Appendix A AED Locations .....</b>	<b>7</b>
<b>Appendix B Post Event Report .....</b>	<b>11</b>
<b>Appendix C AED Prescription .....</b>	<b>12</b>

## 1. INTRODUCTION

People die of sudden cardiac arrest (SCA) every year and many of these deaths are preventable. The use of an Automated External Defibrillator (AED) in conjunction with cardiopulmonary resuscitation (CPR) can significantly increase survival rates.

## 2. PURPOSE

The University of Texas at Tyler has established an AED Program to enable targeted responders in the University setting to deliver early defibrillation to victims in the first critical moments after a sudden cardiac arrest. This program is designed to provide procedural guidance for properly maintaining and employing University owned AED devices.

## 3. DEFINITIONS

**Automated External Defibrillator (AED)** is an electronic device that delivers a shock to restore the rhythm of a fibrillating heart. An AED contains a microprocessor that analyzes and detects this type of heart rhythm through adhesive pads on a victim's chest, judges whether defibrillation is needed, and then recommends a shock be delivered. The shock stuns the heart muscle, which gives it the opportunity to resume beating effectively.

**Sudden Cardiac Arrest (SCA)** is a sudden, abrupt loss of heart function and the heart most often goes into uncoordinated electrical activity called ventricular fibrillation. During this condition the heart twitches ineffectively and can't pump blood, and death can occur within minutes. SCA is one of the leading causes of death in the United States. The American Heart Association estimates that at least 250,000 people suffer from SCA each year. The median age of victims is 65 but it can affect all ages.

## 4. PROGRAM REQUIREMENTS

Environmental Health and Safety (EH&S) is responsible for administering the University's AED Program. The aspects of this program include AED procurement and deployment, inspection and maintenance.

AED devices are stationed inside buildings on the UT Tyler campuses and an AED is deployed in a designated police vehicle for response to incidents occurring on the main campus and at off-site activities. A complete list of the locations where University AEDs are currently stationed can be found in Appendix A.

This program is designed to enable designated responders in the University setting to deliver early defibrillation to victims in the first critical moments after a sudden cardiac arrest. Responders' use of the AED should not replace the care provided by emergency medical services (EMS) providers but is meant to provide a lifesaving bridge during the first few critical minutes it takes for advanced life support providers to arrive. Upon arrival of the EMS providers, patient care will be transferred to the EMS personnel.

## **5. PROGRAM RESPONSIBILITIES**

### **Medical Director**

The Medical Director has authority over the entire AED program and its participants. General responsibilities include the establishment and maintenance of the guidelines for care included in this protocol. In addition, the Medical Director also ensures quality assurance, compliance to protocols, proper training and provides positive reinforcement to individuals and the system, as well as corrective instruction.

Medical Director: Dudley Goulden, M.D., FACC,  
Professor of Medicine, Division of Cardiology  
The University of Texas Health Center at Tyler  
Phone Number: 903-877-7230

### **AED Coordinator**

The AED Coordinator is an employee of the University who is the primary liaison between the company's AED program and the Medical Director.

AED Coordinator: Robby Underwood, Director  
Environmental Health & Safety  
The University of Texas at Tyler  
Phone Number: 903-566-7011

## 6. TRAINING

### AED Training

The cornerstone of the AED Program is training. All designated responders are expected to operate an AED in the event of a medical emergency and must complete one of the following approved certification courses.

- American Heart Association Heartsaver First Aid, CPR/AED
  - 2 year certification
  - 4 hour Refresher class is required every two years to remain certified
- American Red Cross First Aid, CPR/AED
  - 2 year certification
  - 4 hour Refresher class is required every two years to remain certified
  - Free Online Refresher course <http://www.redcrossrefresher.com/firstaid/>

### Additional Training and Testing Procedures

In addition to having a current CPR/AED certification, designated responders are required to be instructed in the following:

- The proper use, maintenance, and periodic inspection of the AED.
- Defibrillator safety precautions to enable the user to administer a shock without jeopardizing the safety of the patient, the user, or other persons.
- Assessment of an unconscious person to determine if cardiac arrest has occurred and the appropriateness of applying an AED.
- Recognizing that an electrical shock has been delivered to the patient and that the defibrillator is no longer charged.
- Rapid, accurate assessment of the patient's post shock status to determine if further activation of the AED is necessary.
- The operations of the local emergency medical services system, including methods of access to the emergency response system, and interaction with emergency medical services personnel.
- The role of the user and coordination with other emergency medical service providers in the provision of CPR, defibrillation, basic life support, and advanced life support.
- The responsibility of the user to continue care until the arrival of medically qualified personnel.

## **7. AED EMPLOYMENT**

University owned AED devices should normally be employed by trained and certified designated responders.

### **AED Protocol**

Responders should follow the AED Protocol set by the American Heart Association or the American Red Cross.

### **AED Medical Standing Order**

Responders must employ AED devices in accordance with the Medical Standing Order guidelines set by the American Heart Association or the American Red Cross.

### **AED Post Event Procedures**

If an AED is used to treat a victim, the designated responder or other employee must notify EH&S. An AED Post Event Incident Report (see Appendix B) will be completed by EH&S to document the incident.

### **Questions**

Should you have any questions and/or would like additional information on UT Tyler's AED Program, please feel free to contact EH&S at 566-7011.



**The University of Texas at Tyler Automated External Defibrillator List**

**Ballpark (BPK)**  
Trainer's Room 109 x3 (2 are usually kept in HPC)

**Biology, Education and Phsycology Building (BEP)**  
141 A Lobby

**Biology, Education and Psychology Building/Hudnall - Pirtle - Roosth Building (BEP/HPR)**  
Across from room 254

**Braithwaite Building (BRB)**  
Outside Room 2440  
Outside Room 1040

**College of Arts and Sciences Building (CAS)**  
1st Floor Lobby by Room 101  
2nd Floor Corridor by 207

**College of Business Building (COB)**  
Main Lobby  
Across from Restrooms 242 and 244  
Outside 315.04

**Cowan Fine and Performing Arts Center (FAC)**  
Across from 1005  
Across from 2001  
Outside 2100  
Next to Elevator by Box Office

**Fine Art Complex (ART)**  
Room 142

Herrington Patriot Center (HPC)
Room 1045
Room 3065
1st Floor Group Classroom 1270
2095 - Front Desk
Inside Health & Kinseology Room 3065
Lobby Front Desk at Gym Entrance
Room 2185
Training Room 1045 x3

Hudnall - Pirtle - Roosth Building (HPR)
Corridor by Room 101
Corridor by Room 201

Liberty Landing Clubhouse (LLC)
Next to Kitchen

Library (LIB)
Next to Room 127
3rd Floor next to Men's Restroom
Circulation Desk by Room 210

Longview Innovation Academy (UAL)
Front Office Lobby

Longview University Center (LUC)
1st Floor Lobby by Room 122

Ornelas Activity Center (OAC)
Main Lobby by Room 164

Ornelas Hall (ORH)
Next to Front Entrance

Palestine Manthis Hall (PMH)
100
Next to Room 234

Patriot Village Clubhouse (PVC)
Back Wall of Clubhouse



<b>Physical and Health Education Building (PHE)</b>
Across from Stairwell 229
Gym Office Room 121
Next to 121 and Gym

<b>Physical Plant (PHY)</b>
Room 105

<b>Power Plant North (PPN)</b>
Outside 1004

<b>Power Plant South (PPS)</b>
Room 151

<b>Ratliff Building North (RBN)</b>
Corridor by Room 4004
In Hallway between Elev 2 and 1028
In Hallway between Elev 2 and 2028
Outside 3038

<b>Ratliff Building South (RBS)</b>
Room 2011
Across from Room 1016
In Hallway between Elev 1 and 4013
3rd Floor Corridor by 3009

<b>Stewart Hall (STE)</b>
Room 305
Across from 215

<b>Summers Tennis Center (STC)</b>
By Room 102

<b>Tyler Innovation Academy Building 1 (UA1)</b>
Main Corridor next to 100

<b>Tyler Innovation Academy Building 2 (UA2)</b>
Main Corridor next to 105

<b>Tyler Innovation Academy Building 5 (UA5)</b>
Room 121 by South exit

**University Center (UC)**

2nd Corridor by Restrooms

2nd Floor Lobby by Stairwell

3rd Floor Corridor by Restroom

1st Floor next to elevator

**University Service Center (USC)**

PD Vehicle 3

PD Vehicle 30

PD Vehicle 41

Room 100 Main Entrance

Police Dispatch Room 125 x2

**W.T. Brookshire's Pharmacy Building (WTB)**

1st Floor Corridor by Restroom

2nd Floor Corridor by Restroom

3rd Floor Corridor by Restroom

**Intensive English Language Institute (IELI)**

Room 107 Back of Building by Restrooms

**Victory Village (VV)**

Front Entrance

# APPENDIX B



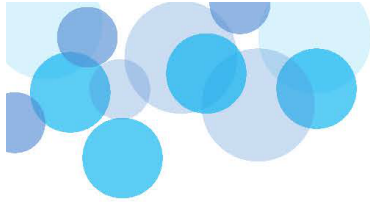
**UT Tyler**  
THE UNIVERSITY OF TEXAS AT TYLER

## AUTOMATED EXTERNAL DEFIBRILLATOR PROGRAM

### AED Post Event Incident Report

Location:	Date:	Time:
Name of victim:	Student <input type="checkbox"/> Employee <input type="checkbox"/> Visitor <input type="checkbox"/>	
Address:	Phone #:	
Description of Event:		
Witnesses of the Event:		
Description of the first aid that was administered and other actions taken: _____ _____		
Names of personnel involved: _____ _____		
Responding EMS unit and team members: _____ _____		
Name of hospital where victim was transported:		
Outcome after using AED: Successful <input type="checkbox"/> Unsuccessful <input type="checkbox"/>		
Indicate if AED equipment was replaced after usage: Yes <input type="checkbox"/> No <input type="checkbox"/>		
Was data from the AED sent to the responding EMS Department within 48 hours? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Witness Signature:	Date:	
Director EH&S Signature:	Date:	

# APPENDIX C



## AED PRESCRIPTION CERTIFICATE Medical Authorization

This medical prescription is valid for the following AED/location:

UT Tyler EHS  
UT Tyler  
3900 University Boulevard  
Tyler, TX 75799

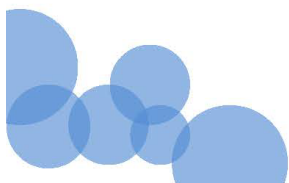
The Automated External Defibrillator (AED) prescription is issued for the purchase of an AED only. Please be advised that there may be additional Federal, State, and Local requirements to be met in regard to the placement of an AED. In accepting this prescription, the location listed above also accepts and agrees to abide by all legal and recommended requirements for AED placement. These conditions are designed to ensure AED program efficacy and preparedness and include, but are not limited to: medical direction and oversight, ongoing CPR/AED training, post event review, policies and procedures updates, equipment maintenance, and ongoing AED program compliance.

This prescription is valid for the above location, and thus is not assignable to any other entity or location.

*Prescription provided by:*  
PlusTrac

F. Spencer Willis, Jr., M.D.

A prescription is required by the FDA to deploy AED(s). For organizational AED deployment, additional medical direction is also often required. The organization named above is solely responsible for meeting all federal, state, and local compliance issues and training requirements if professional medical services are NOT provided by the above named prescription provider.



9242 Ellerbe Rd. Suite 300 Shreveport, LA 71106

