



Student User Guide for HeartCode BLS

Guidelines 2010 (G2010)

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Welcome to HeartCode BLS!

HeartCode BLS is a self-directed 2-part learning program approved by the American Heart Association. Part 1 is an interactive cognitive portion done on a computer that includes realistic patient scenarios and extensive American Heart Association reference material. Part 2 will be done in the HeartCode Lab (badge access) in The Learning Center using a Voice Advisory Manikin system to provide hands on experience with immediate feedback.

We are very excited to be able to offer HeartCode BLS as a renewal option for Healthcare Provider CPR. Although you may find it a bit more challenging than the traditional class, studies have shown that HeartCode can improve BLS skills and most importantly patient outcomes. It also can be done around your schedule and at your convenience.

If you would like to renew your Healthcare Provider CPR with this HeartCode option, please call The Learning Center at #6841 or #7048 and request that it be assigned to you. Please review the material in this student guide carefully. If you have any questions, please contact the Learning Center at #6841 during regular business hours from 7:30 a.m. – 4 p.m.

Important!

You must complete HeartCode Part 2 within 30 days of completion of Part 1, otherwise you may be charged for the additional license fee. Also, make sure that you complete Part 2 before your CPR expiration date.

Important Points during Skills Testing

1. Before and after skills testing, while wearing gloves, vigorously wipe the manikin face & chest, and face masks with bleach wipes.
2. Place used valve in appropriate marked container when skills testing completed.
3. Do not eat or drink while in the HeartCode Lab
4. Do not disconnect/reconnect cables to manikins and do not move the manikins.
5. If you feel there is a manikin issue, please contact The Learning Center at #6841.
6. If during Part 2 of HeartCode, you have spent more than 45 – 60 minutes on the skills portion, please **STOP** and contact The Learning Center at #6841 from 7:30 a.m. – 4 p.m. for further assistance.
7. After completion of all skills testing, please make sure you complete the evaluation before leaving the HeartCode Lab. Your transcript will not show as complete until you complete the evaluation.

***You will receive an email from the Learning Center when your CPR card is available for you to pick up.**

LIABILITY STATEMENT FOR CPR COURSES

The course for which you are enrolled may include physical strain, possibility of cross-infection, and emotional stress. If your physician has recommended that you avoid strenuous activity or limit your activity in any way, you need to realize that CPR is hard work! This is true both in practicing on the manikin and doing CPR for a cardiac arrest victim.

If you have a medical or cardiac history that may be aggravated by this course, you should consult your physician and ask his advice as to whether you should participate in a CPR course.

If you have reservations about being able to perform CPR on a cardiac arrest victim, you should consider this before taking this course.

If you have recently had any type of infectious disease, including upper respiratory infection or open sores on your mouth or hands, it is better to defer manikin practice until you are well.

BY PROCEEDING TO THE NEXT STEP, I HEREBY CERTIFY THAT I HAVE READ THE ABOVE LIABILITY STATEMENT AND UNDERSTAND ITS ITEMS.

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WHAT IS HEARTCODE BLS?

The HeartCode BLS program is a comprehensive, self-directed eLearning course for the American Heart Association's (AHA) Basic Life Support (BLS) program. HeartCode BLS features micro-simulation technology with scenario-based learning and is approved for both initial and renewal courses.

HeartCode BLS Part 1 is the cognitive portion of the program where students review the lessons from the BLS Healthcare Provider text, treat five simulated patient cases, and complete the written exam online.

All applicable AHA textbooks, science overview videos, and reference materials are electronically embedded within the course and are easily accessible throughout from the icons shown below. Materials remain accessible to students for 2 years after the date of completion of the HeartCode BLS Part 1 course from the student's transcript.



In HeartCode BLS Parts 2 and 3, cardiopulmonary resuscitation (CPR) are practiced and tested with a certified American Heart Association Instructor or Voice Assisted Manikin System (VAM). **The skills course must be completed within 60 calendar days of finishing Part 1.** It is recommended that you confirm the timeframe for completion with the training facility providing the course, as a shorter time frame for completion may be required.

SYSTEM REQUIREMENTS


	Minimum	Recommended
Operating System	Windows XP or Mac OSX	Same
Processor Speed	2 Ghz Pentium 4 or equivalent	2.4 Ghz or higher
Memory	768Mb Ram	1Gb or higher
Internet Connection Speed	512Kbit/s Bandwidth	1 Mbit/s or higher
Web Browser	Web Browser	Internet Explorer 7+ or Firefox 2+
Plug-ins	Adobe Flash Player 10.1	Same

HEARTCODE BLS PART I

Course Contents

Three learning activities are included in the HeartCode BLS Part 1 program. Each activity contains one or more lessons to complete in order to finish the course.

 [BLS Overview*](#)

 [HeartCode BLS Part 1*](#)

 [Evaluation*](#)

Learning Activity 1: Overview

The overview includes a description of the HeartCode BLS course and its objectives. Review the information, then click the red **Complete** button at the bottom of the page.

COMPLETE

Learning Activity 2: HeartCode BLS Part I

The program will automatically proceed through each lesson sequentially. However, you may navigate the program independently by clicking on the lessons in the **Table of Contents**.

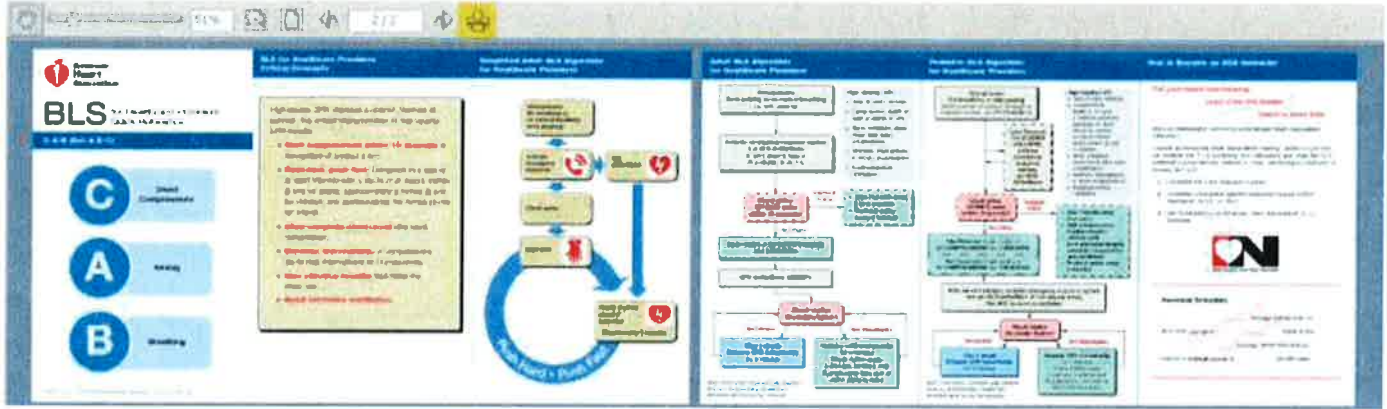


The following icons next to each lesson reflect the status of the lessons within the course.

-  **Not Yet Accessed**
-  **Complete/Passed**
-  **Incomplete/Not Passed**

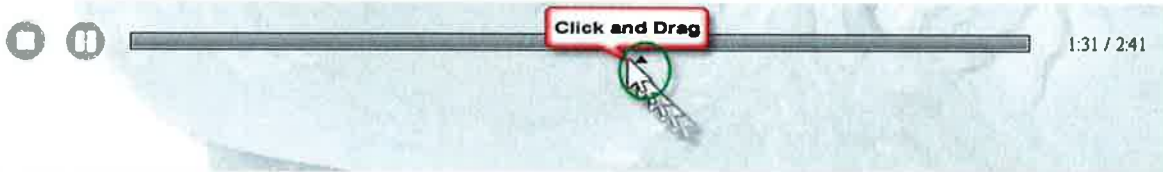
Pocket Reference Card

A BLS Pocket Reference Card is located under the **AHA Textbook icon** and may be printed for your records. Click on the BLS Pocket Reference link then the print icon at the top of the page. **The option to print is not available for all materials.**



Self-Paced Navigation

All course material should be reviewed; however, videos within the course include a self-paced navigation option. To advance a video, click and drag the arrow as pictured on the tool bar below.



Treating a Patient

HeartCode BLS contains realistic patient cases which require interaction with the program to assess the patient and formulate a treatment plan based on the BLS algorithm. Use the series of actions at the bottom of the screen to control the providers in the scene. **You should become familiar with these actions before beginning a patient case.**



Ending a Scenario

The scenario ends when help arrives and the prompt to continue to the debriefing (as shown below) appears. The scenario may be discontinued sooner by stopping the clock, but the case will not be scored.

Help has arrived!

The code team is here and has taken over treatment of this victim

Click to continue to the debriefing.



Continue to debriefing



Click to stop the clock and discontinue the scenario. The case will not be scored if the clock is stopped before help arrives.

Scenario Debriefing

Upon completion of a scenario, students progress to a debriefing screen. The debriefing is a step-by-step account of the student's correct and incorrect actions. Additional information is located on the **Detailed View** tab at the top of the page. Suggestions for improvement are offered via hyperlinks (blue underlined text) to the appropriate reference material for the course.

HeartCode® BLS

American Heart Association

BASIC VIEW **DETAILED VIEW**

William Anderson
Age: 68 years
Diagnosis: Cardiac arrest

00:04 ✓ You helped the patient and shouted, "Are you all right?" respond. It was correct to check responsiveness at this who does not respond needs emergency care.

00:10 ✓ You looked for normal breathing. The patient was not breathing normally. It is correct to evaluate if the patient is breathing normally at this point.

00:12 ✓ You checked the carotid pulse for at least 10 seconds. There is no pulse. It was correct to check for a pulse at this point to see if the heart was circulating blood.

00:17 ✗ You sent the other responder to get the AED and place the AED. It was correct to get the AED and place the AED, but you should have done so immediately when there was no response (per the patient and no normal breathing).

00:22 ✓ You started CPR with cycles of 30 compressions and 2 breaths. It was correct to perform CPR at this point because there was no pulse and the AED had not arrived yet.

01:28 ✓ You turned the AED on. It is important to turn on the AED as soon as it is available because the AED can determine whether a shock will help the patient and guide you through further steps.

01:42 ✓ You placed the AED pads correctly. It was correct to attach the AED pads of

Success in resuscitation depends on the Chain of Survival concepts: immediate recognition of cardiac arrest and call for help, early CPR, rapid defibrillation, effective advanced cardiovascular life support, and integrated post-cardiac arrest care.

PASSED

Continue I disagree with the evaluation

Reporting a Problem

If you believe your performance was adequate to pass or that there is a problem with the course, click on the **I disagree with the evaluation** button to submit a complaint. Comments will be directed to the medical and technical review teams of the AHA and Laerdal Medical Corporation for review. A subject matter expert will respond in approximately two to five business days, depending on the complexity of the issue.



Learning Activity 3: Evaluation

To finish HeartCode BLS Part 1, you must first exit the course as instructed to proceed to the evaluation learning activity. **The evaluation will not automatically appear.** The evaluation is required to complete the course and receive a certificate.

Thank you. Please complete the required evaluation to finish the course. Proceed to the evaluation by exiting the course using the link below.



Part I Certification of Completion

After completing HeartCode BLS Part 1, a certificate of completion will populate within the course. To retrieve the certificate of completion, click on the **View Certificate** link located at the bottom of screen as shown below.

Course Learning Activities

You are enrolled in this course. Click the "Course Overview" link above to review the course description, learning objectives, and available CE credit prior to beginning the learning activities below. (For CE Credit Information, scroll down.)

Learning Activity

Learning Activity	Status	Score	Last Accessed
BLS Overview*	Completed	100%	5/31/2011 10:40 PM
HeartCode BLS Part 1*	Completed	100%	5/31/2011 10:54 PM
2009/2010*	Passed	100%	5/26/2011 11:07 AM

Continuing Education Credit Information

The list below shows the CE credit for which you qualify, based upon your professional license information in the system. If there is another credit listed on the Course Overview screen for which you qualify, update your professional license information by clicking the "Maintain Disciplines and Licenses" link below (if available) or by contacting your administrator.

Certificate of Completion: [View Certificate](#) [Maintain Disciplines and Licenses Information](#) [Refresh Credits](#)

Each certificate contains a uniquely generated **8 character code** which is used to access the second part of the course.



HEARTCODE BLS PARTS 2 AND 3

Access

HeartCode Parts 2 and 3 incorporates skills practice and skills testing into a single course. During Part 2, a certified AHA instructor should allow students time to practice the skills they will be assessed on prior to the Part 3 skills test. The VAM System provides students with audio feedback during each skills assessment. Students may practice until they are confident with their skills, and then submit their performance for testing.

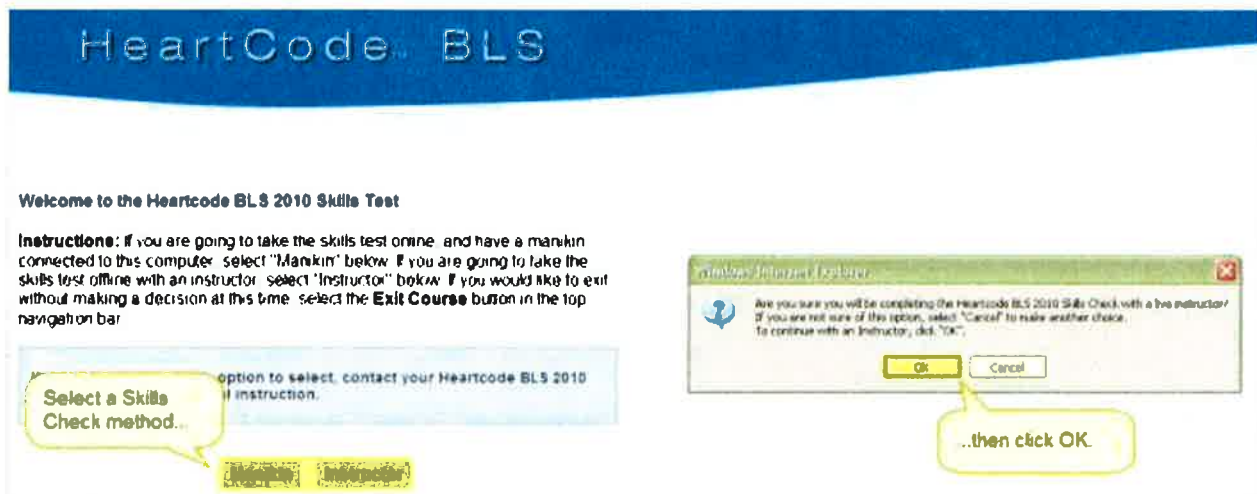
1. To access the HeartCode BLS Parts 2 and 3 course, begin by entering the **8 character code** from the Part 1 completion certificate.



Instructions: Enter the 8 character code from your certificate in Heartcode BLS 2010 (Part 1) and click submit.

Certificate Code:

2. Next, click **Instructor** to complete the skills test with a certified AHA instructor or **Manikin** to complete the skills test with the VAM System.



3. To confirm the selection, click **OK** and follow the instructions provided on the screen.

Completing with a Certified AHA Instructor

After selecting "Instructor," another code is provided. This code should be presented to the certified AHA instructor performing the skills test. This code may contain up to 17 characters. **An evaluation may also be required in Part 2 following the skills test to complete the course and receive an AHA BLS Healthcare Provider (HCP) card.**



Write down the Instructor Code below and take it to your Instructor. You will then be assessed on the Skills portion of the test. After you pass the Skills test, your instructor will mark you passed in the system, and give you your card.

27D2-103169-50743

The American Heart Association requires completion of this course within 60 days of completing your Part 1 (cognitive) course. However, your administrator may require completion within a shorter timeframe. Please refer to the Due Date of your assignment, and any other organization.

Completing with the VAM System

Prior to utilizing the VAM System for completion of skills testing, software must be installed on the computer connected to the manikin. **If the software is not installed, the message below will appear.** Contact a local administrator for assistance if you receive this message.

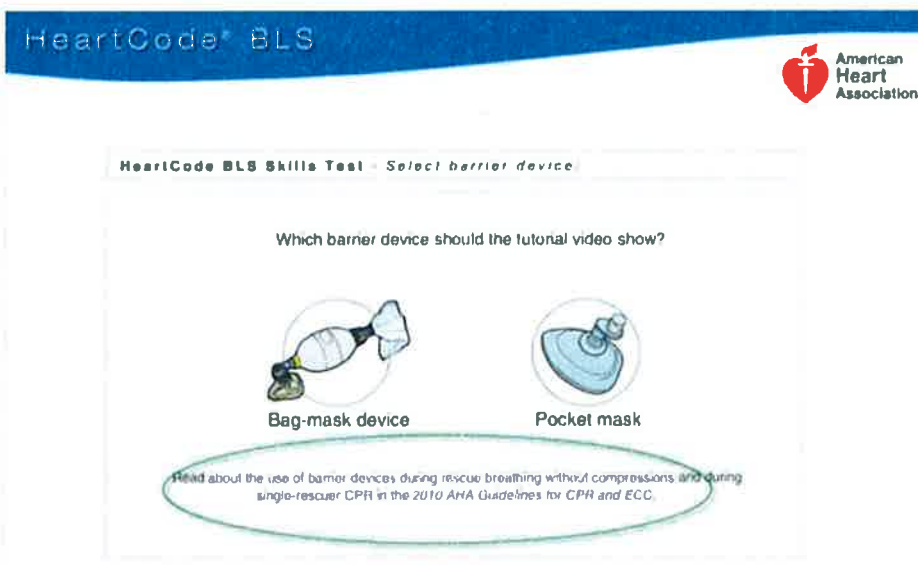
A needed component for this course can not be created.

Please make sure you are using Internet Explorer, and that its security setting allows it to run installed ActiveX components. Look for a yellow bar at the top of the screen.

It may also be because the client part of HeartCode ACLS has not been installed on this computer.

If you have the necessary privileges on the machine, you can download and install it from the [link](#).

If the software has previously been installed, continue by selecting the ventilation device you would like the tutorial videos within the course to demonstrate. Click on the picture of the ventilation device then follow the instructions on the screen.



Switching between Bag-mask and Pocket mask Tutorial Videos

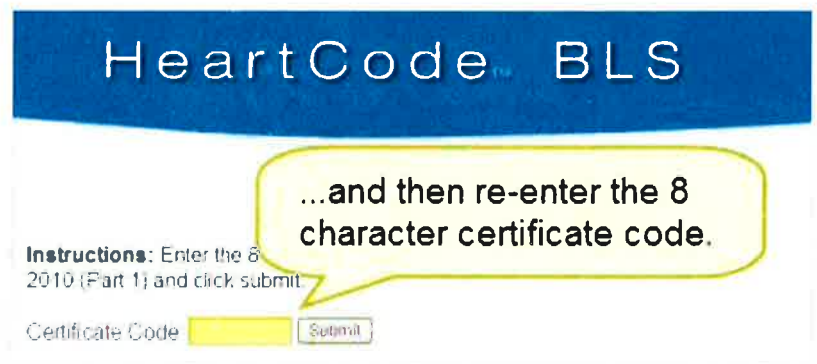
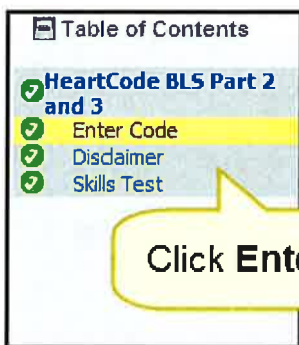
To view the tutorial videos demonstrating use of the alternate ventilation device, click on "Skills Test" from the table of contents and select the alternate device. It is recommended to complete the rescue breathing assessments using a bag mask device and the one rescuer CPR assessments using a pocket mask. To read more on the use of these devices, please refer to the **2010 AHA Guidelines for CPR and ECC located within your Part 1 course**. To access your Part 1 course, return to your transcript and click on the course title to launch.



Switching between Instructor or Manikin (Retrieve Instructor Code)

To switch between Instructor and Manikin, or to retrieve the Instructor Code:

1. Click the **Enter Code** link in the table of contents to return to the first screen of the skills course.
2. Re-enter the 8 character code.
3. Click **Submit** and make the selection.



Parts 2 and 3 Certificate of Completion

A certificate is provided at the end of the skills course for HeartCode BLS as proof of completion. **This does not replace an AHA BLS HCP card.** Contact the training facility providing the course for information on receiving the completion card for the course.

