

## Equipment List

Equipment required for each class held is listed in the table below. All equipment used must be clean and in proper working order and good repair.

The table lists the equipment and supplies needed to optimally conduct this course. This includes a code cart for in-hospital providers and a jump kit and defibrillator unit for prehospital providers. The code cart/jump kit should contain the equipment and supplies listed in the table.

Equipment and Supplies	Quantity Needed	Learning/Testing Station Equipment Needed
<b>Paperwork</b>		
Precourse letter	1/student	Precourse
Course roster	1/course	Beginning of course
Name tags	1/student and instructor	All
Course agenda	1/student and instructor	End of course
Course completion card	1/student	All
<i>PALS Provider Manual</i>	1/student and instructor	All
<i>PALS Instructor Manual with Lesson Plans</i>	1/instructor	All
Instructor case scenarios	1/instructor	All
Team role labels	1 set/station to identify team role for each student	All small group stations
Skills station competency checklists	1/student and instructor	BLS and skills stations
PALS Course Progress Checklist	1/instructor	All
Cardiac, shock, and respiratory practice scenario checklists	1/student	Airway Management Learning Station, Vascular Access Learning Station, and Rhythm Disturbances/Electrical Therapy Learning Station
Child and infant BLS skills testing checklists	1 of each/student	Child and Infant High-Quality BLS
ECC Handbook (optional)	1/student and instructor	Optional; all
PALS algorithms/flowchart	1 set/station	All
PALS Exam	1/student	Exam
Blank exam answer sheet	1/student	Exam
Exam answer key/annotated answer key	1/course	Exam
Algorithm posters	1/course	Cardiac case scenario discussions, Rhythm Disturbances/Electrical Therapy Learning Station

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<b>Equipment and Supplies</b>	<b>Quantity Needed</b>	<b>Learning/Testing Station Equipment Needed</b>
Institution-based documentation form	1/course	Cardiac case scenario discussions
Learning station competency checklists	1/student	Child and Infant High-Quality BLS, Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, Vascular Access Learning Station
<b>Audiovisual Equipment</b>		
TV with DVD player or computer with video player and projection screen	1/station	Course Overview, Overview of PALS Science, Child and Infant High-Quality BLS Practice and Testing, Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, Vascular Access Learning Station, Systematic Approach, Team Dynamics
Course video	1	Course Overview, Overview of PALS Science, Child and Infant High-Quality BLS Practice and Testing, Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, Vascular Access Learning Station, Systematic Approach, Team Dynamics
<b>CPR and AED Equipment</b>		
<b><i>BLS feedback device recommended*</i></b>	1/station	Child and Infant High-Quality BLS Practice and Testing, Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions
Child CPR manikin with shirt*	1/every 3 students	Child and Infant High-Quality BLS Practice and Testing, Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions, shock case scenario discussions
Infant CPR manikin*	1/every 3 students	Child and Infant High-Quality BLS Practice and Testing, Management of Cardiac Emergencies Learning Station, cardiac case scenario discussions, shock case scenario discussions
Child airway manikin or intubation head	1/every 3 students	Airway Management Learning Station, respiratory case scenario discussions
Infant airway manikin or intubation head	1/every 3 students	Airway Management Learning Station, respiratory case scenario discussions
Stopwatch/timing device	1/instructor	High-Quality BLS Practice and Testing
Countdown timer	1/instructor	High-Quality BLS Practice and Testing

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<b>Equipment and Supplies</b>	<b>Quantity Needed</b>	<b>Learning/Testing Station Equipment Needed</b>
AED trainer with adult and child AED training pads	1/every 3 students	High-Quality BLS Practice and Testing, Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions
CPR backboard	1/every 3 students	High-Quality BLS Practice and Testing, cardiac case scenario discussions
Stools to stand on for CPR	1/every 3 students	High-Quality BLS Practice and Testing, cardiac case scenario discussions
<b>Airway and Ventilation</b>		
Infant airway manikin or intubation head	1/every 3 students	Airway Management Learning Station, respiratory case scenario discussions
Child pocket mask and infant pocket mask	1/every 3 students or 1/student	High-Quality BLS Practice and Testing, respiratory case scenario discussions
1-way valve	1/student	High-Quality BLS Practice and Testing, respiratory case scenario discussions
Bag-mask devices <ul style="list-style-type: none"><li>• 450 to 500 mL for infants and young children</li><li>• 1000 mL or larger for older children and adolescents</li></ul>	1/every 3 students	High-Quality BLS Practice and Testing, Rhythm Disturbances/Electrical Therapy Learning Station, respiratory case scenario discussions, shock case scenario discussions
Nonbreathing mask with reservoir	1/station	Airway Management Learning Station, respiratory case scenario discussions, shock case scenario discussions
Nasal cannula	1/station	Airway Management Learning Station, respiratory case scenario discussions
High-flow nasal cannula (optional)	1/station	Airway Management Learning Station, respiratory case scenario discussions
Simple oxygen mask	1/station	Airway Management Learning Station, respiratory case scenario discussions
Suction catheters	1 set of multiple sizes/station	Airway Management Learning Station, respiratory case scenario discussions
Nebulizer setup	1 set/station	Airway Management Learning Station, respiratory case scenario discussions
Waveform capnography equipment*	Pictures can be used to represent this technology	Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, respiratory case scenario discussions, cardiac case scenario discussions, shock case scenario discussions
Stethoscope	1/every manikin	Airway Management Learning Station, respiratory case scenario discussions, shock case scenario discussions

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Equipment and Supplies	Quantity Needed	Learning/Testing Station Equipment Needed
Color-coded length-based resuscitation tape	1/station	Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, respiratory case scenario discussions, cardiac case scenario discussions, shock case scenario discussions, Vascular Access Learning Station
Towel	1/every 3 students	Airway Management Learning Station, respiratory case scenario discussions
Exhaled CO <sub>2</sub> detector: adult, child, and infant	1/station	Airway Management Learning Station, respiratory case scenario discussions, shock case scenario discussions
Tube holder or tape, pediatric	1/every manikin	Airway Management Learning Station, respiratory case scenario discussions
<b>Rhythm Recognition and Electrical Therapy</b>		
Cardiac monitor with ECG leads, electrodes, and pads (infant, child/adult)	1 set/station	Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions
Rhythm generator	1/course	Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions
AED trainer	1/station	Rhythm Disturbances/Electrical Therapy Learning Station, cardiac case scenario discussions
Color-coded length-based resuscitation tape		Rhythm Disturbances/Electrical Therapy Learning Station
<b>BLS feedback devices recommended*</b>		Rhythm Disturbances/Electrical Therapy Learning Station
Waveform capnography recommended		Rhythm Disturbances/Electrical Therapy Learning Station
<b>Equipment and Medications</b>		
IO manikin	1 (with replacement bones)	Vascular Access Learning Station, shock case scenario discussions
IO drill and needles recommended	1 drill, various needle sizes	Vascular Access Learning Station, shock case scenario discussions
IO manual needles	3/station	Vascular Access Learning Station, shock case scenario discussions

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<b>Equipment and Supplies</b>	<b>Quantity Needed</b>	<b>Learning/Testing Station Equipment Needed</b>
Respiratory medications: resuscitation drugs or drug cards <ul style="list-style-type: none"><li>• Albuterol</li><li>• Ipratropium</li><li>• Epinephrine 1 mg/mL racemic (2.25%)</li><li>• IM epinephrine 1 mg/mL</li></ul>	1/student	Respiratory case scenario discussions
Cardiac medications: resuscitation drugs or drug cards <ul style="list-style-type: none"><li>• Adenosine</li><li>• Amiodarone</li><li>• Atropine sulfate</li><li>• Epinephrine 0.1 mg/mL</li><li>• Glucose</li><li>• Lidocaine</li><li>• Magnesium sulfate</li></ul>		Cardiac case scenario discussions
Shock medications: resuscitation drugs or drug cards <ul style="list-style-type: none"><li>• Atropine sulfate</li><li>• Epinephrine 0.1 mg/mL</li><li>• Fluids</li><li>• Glucose</li><li>• Inotropes</li><li>• Vasopressors</li></ul>		Shock case scenario discussions
Fluid bag	1	Vascular Access Learning Station, shock case scenario discussions
3-way stopcock	1	Vascular Access Learning Station, shock case scenario discussions
60-cc locking syringe	1	Vascular Access Learning Station, shock case scenario discussions
Syringes	2-3/station	Vascular Access Learning Station, shock case scenario discussions
<b>Advanced Airways (must choose endotracheal tube and at least 1 supraglottic device)</b>		
Oropharyngeal airways	Various infant/child sizes/1 each	High-Quality BLS Practice and Testing, respiratory case scenario discussions, Airway Management Emergencies Learning Station
Supraglottic airways	Various samples sizes	Airway Management Learning Station, respiratory case scenario discussions
MDI, spacers, and mouth piece/mask	1 set/station	Airway Management Learning Station, respiratory case scenario discussions
Water-soluble lubricant	1/station	Airway Management Learning Station, respiratory case scenario discussions
Laryngoscope handle	1 adult and 1 child size/ every 3 students	Airway Management Learning Station, respiratory case scenario discussions

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<b>Equipment and Supplies</b>	<b>Quantity Needed</b>	<b>Learning/Testing Station Equipment Needed</b>
Laryngoscope blades	Multiple straight and curved blades	Airway Management Learning Station, respiratory case scenario discussions
Endotracheal tubes, cuffed and uncuffed with stylet	Various sizes that fit airway manikin	Airway Management Learning Station, respiratory case scenario discussions
<b>Safety</b>		
Sharps container (if using real needles)	1/station	Vascular Access Learning Station, shock case scenario discussions
<b>Cleaning Supplies for Use Between Student Practice and After Course</b>		
Manikin cleaning supplies	As needed between students	High-Quality BLS Practice and Testing, Airway Management Learning Station, Rhythm Disturbances/Electrical Therapy Learning Station, Vascular Access Learning Station, respiratory case scenario discussions, cardiac case scenario discussions, shock case scenario discussions

\*Directive feedback devices.