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Minimum Equipment Required for Advanced Emergency Medical Technician Initial Education Programs

This document lists the minimum equipment required for Advanced Emergency Medical Technician initial education programs. Equipment that is optional is noted as such. Each level of instruction must possess the minimal equipment needs for the students to meet each stated objective. Additional resources may be needed from outside sources, but it is the instructor's responsibility to ensure that appropriate equipment is available for the number of students enrolled in the program. When instructors are teaching a skill/procedure to the students, the required 6:1 ratio of students to instructors must be met. Each lab session should have sufficient equipment (and related supplies) available so that each student group (6 or less students) has access to the needed equipment/supplies necessary for the skill(s) they are learning.

NOTE: Equipment listed is required for Advanced Emergency Medical Technician initial education programs. Notes may indicate that a specific piece of equipment is optional, or may clarify the equipment description. Gaps in numbering/lettering (i.e. going from 1 to 3) on a equipment group mean that the unlisted equipment is not required at the Advanced Emergency Medical Technician level.

General Equipment/Supplies		Level	NOTES
1.	Personal Protection Equipment		
	a. gloves - assorted (all sizes) (latex and latex-free)	AEMT	
	b. face and eye protection	AEMT	
	c. HEPA/N95 masks	AEMT	
	d. gowns- assorted sizes	AEMT	
	e. high visibility vests	AEMT	
	f. escape hoods/PAPR's	AEMT	1 per institution.
	g. waterless hand cleaner	AEMT	
2.	Communication/Documentation equipment		
	a. portable radios (two-way)	AEMT	A minimum of 2 per institution.
	b. ambulance patient care reports (PCR's)	AEMT	This could include online/computer based documentation tools.
3.	Manikins/Simulators (some commercial devices may have multiple functions)		
	a. airway manikins - (infant, child, and adult sizes)	AEMT	
	b. CPR manikins (infant, child, and adult sizes)	AEMT	
	d. IV simulation arms	AEMT	
	e. intraosseous simulator (adult and pediatric)	AEMT	
	f. pediatric IV simulator	AEMT	
	g. childbirth manikin	AEMT	
	i. IM / sub q injection simulator	AEMT	
	k. trauma manikin	AEMT	At least 1 per institution.

General Equipment/Supplies		Level	NOTES
4.	Miscellaneous equipment		
	a. aluminum foil	AEMT	
	b. football helmet	AEMT	1 per institution.
	c. blankets	AEMT	
	d. cold and hot chemical packs	AEMT	
	e. cotton swabs	AEMT	
	f. emesis container	AEMT	
	g. flashlight	AEMT	
	h. jump kit (complete)	AEMT	This should be stocked with equipment consistent with the level of provider being taught.
	i. motorcycle helmet (open and closed)	AEMT	1 of each per institution.
	j. EMS stretcher w/ straps to include shoulder harness	AEMT	EMT, AEMT, and Paramedic programs should own a stretcher. EMR programs should either own, or have an agreement to use, a stretcher during the appropriate portions of the initial education.
	k. EMS cot pediatric device	AEMT	1 per institution. This can be a infant/child safety seat.
	l. pillow	AEMT	
	m. stair chair	AEMT	Programs should either own, or have an agreement to use, a stair chair during the appropriate portions of the initial education.
	n. tongue depressor	AEMT	
	o. irrigation fluid (may be expired)	AEMT	
	p. linen (towels, sheets)	AEMT	
	q. anatomical charts/models	AEMT	
	r. moulage kit	AEMT	1 Commercial or home-made moulage kit per institution.
	s. disaster/triage tags	AEMT	1 set per institution.

Airway and Breathing Equipment		Level	NOTES
1.	Supplemental oxygen therapy		
	a. high concentration oxygen mask - non-rebreather (adult and pediatric)	AEMT	
	b. nasal cannula (adult and pediatric)	AEMT	
	c. simple mask (adult and pediatric)	AEMT	
	d. venturi mask	AEMT	
	e. nebulizer (mask and hand-held device)	AEMT	
	f. oxygen supply tubing	AEMT	
	g. oxygen humidification device	AEMT	Optional (may use Nebulizer to humidify oxygen).
	h. portable oxygen tank w/regulator	AEMT	
2.	Basic airway management		
	a. oropharyngeal airways (infant, child, and adult sizes)	AEMT	
	b. nasopharyngeal airways (infant, child, and adult sizes)	AEMT	
	c. bite sticks	AEMT	
3.	Ventilation management		
	a. mouth to barrier device (i.e. face-shields, pocket mask)	AEMT	
	b. bag-valve mask resuscitators - (infant, child and adult sizes)	AEMT	
	c. manually triggered ventilator	AEMT	Optional.
	d. automatic transport ventilator	AEMT	Programs should either own, or have an agreement to use, a ventilator (for EMT/AEMT, ventilator should only adjust rate/volume) during the appropriate portions of the initial education.

Airway and Breathing Equipment		Level	NOTES
4.	Suctioning		
	a. suction tubing	AEMT	
	b. suction catheters - soft (various sizes)	AEMT	
	c. suction catheters - rigid	AEMT	
	d. suction unit - battery powered	AEMT	
	e. suction unit - manually operated (i.e. v-vac)	AEMT	
	f. bulb syringe	AEMT	May be included as part of the OB kit.
5.	Advanced airway management		
	a. CPAP system (disposable or CPAP generator with circuits)	AEMT	Programs should either own, or have an agreement to use, a CPAP device during the appropriate portions of the initial education.
	b. Blind Insertion Airway Devices (BIAD) - multiple types (i.e. Combitube, LMA, King LT, PTL)	AEMT	
	c. endotracheal tube holders (various commercial types)	AEMT	Tube holders may should also be used to show AEMTs how to properly secure a BIAD.
	o. water based lubricant	AEMT	

Assessment Equipment		Level	NOTES
1.	Basic assessment equipment		
	a. blood pressure cuffs (infant, child, adult, and large adult)	AEMT	
	b. stethoscope	AEMT	Programs should also have training stethoscopes.
	c. penlight	AEMT	
	d. thermometer	AEMT	
2.	Advanced assessment equipment		
	a. glucose monitoring device w/strips and lancets	AEMT	
	b. pulse oximeter	AEMT	
	d. peak flow meters	AEMT	

Pharmacological Intervention Equipment		Level	NOTES
1.	Fundamental pharmacological equipment		
	a. unit dose/auto-injector trainers	AEMT	Including the Mark I kit trainer.
	b. assortment of over-the-counter medications	AEMT	Such as aspirin, acetaminophen, motrin, oral glucose.
2.	Advanced pharmacological equipment: venipuncture/vascular access		
	a. blood collection tubes and supplies (may be expired)	AEMT	This would include a vacutainer tube holder and needles.
	b. IV catheters- assorted sizes and types	AEMT	
	c. IV administration sets (macro and micro)	AEMT	Should also include blood administration tubing.
	d. IV hanger / IV pole	AEMT	
	e. butterfly needles - assorted sizes	AEMT	
	f. intraosseous needles - various sizes/manufacturers	AEMT	Must include adult and pediatric IO devices.
	g. venous constricting bands (tourniquets)	AEMT	
	h. three way stopcocks	AEMT	
	i. INT injection caps or saline locks	AEMT	
	j. sharps containers	AEMT	
	k. pressure infusion bags	AEMT	
	l. aseptic technique pads (i.e. alcohol, betadine, chloraprep)	AEMT	

Pharmacological Intervention Equipment		Level	NOTES
3.	Equipment for the administration of medications/fluids		
	a. crystalloid IV fluids (may be expired)	AEMT	
	b. aerosol bronchodilators - may be commercial simulations (MDI)	AEMT	MDI with spacers are also recommended.
	c. aerosol bronchodilators - may be commercial simulations (prefilled doses for nebulizing)	AEMT	
	d. medications utilized in training for each scope of practice. - may be commercial simulations	AEMT	
	e. prefilled syringes, vials, ampules, etc.	AEMT	May be expired medications or commercial replicas. Medications should be appropriate to the scope of practice for that provider level.
	f. syringes - various volumes	AEMT	May have ones with or without syringes, or an assortment.
	g. needles for syringes - various gauges	AEMT	
	h. mucosal atomization device	AEMT	
	i. poison antidote kit w/ activated charcoal	AEMT	
	j. Epi-Pen trainer	AEMT	
	k. medication tablets - may be commercial simulations	AEMT	May be expired medications or commercial replicas. Medications should be appropriate to the scope of practice for that provider level.
	l. medication labels	AEMT	For medications added to IV fluids.

Cardiac/Medical Equipment		Level	NOTES
1.	Fundamental cardiac equipment		
	a. AED trainer (with pads)	AEMT	
2.	Advanced cardiac equipment		
	a. mechanical CPR assist device	AEMT	Optional.
3.	Emergency childbirth management		
	a. OB kit	AEMT	
4.	Behavioral emergency equipment		
	a. soft/disposable or leather restraints	AEMT	

Trauma Care Equipment		Level	NOTES
1.	Equipment for splinting/immobilization		
	a. splints - (various types and sizes) (rigid & soft)	AEMT	
	b. cervical collars - assorted sizes or adjustable (ped & adult)	AEMT	
	c. head stabilization devices (various types)	AEMT	
	d. long back boards	AEMT	
	e. immobilization straps (various sizes/types)	AEMT	
	f. scoop stretcher	AEMT	
	g. short immobilization device (vest type)	AEMT	
	h. pediatric immobilization device	AEMT	
	i. traction splint (adult and pediatric)	AEMT	Programs should have various types of traction splints.

Trauma Care Equipment		Level	NOTES
2.	Equipment/supplies for bandaging/dressing		
	a. abdominal pad	AEMT	
	b. elastic bandage (various sizes)	AEMT	
	c. adhesive bandage with a non-stick center	AEMT	
	d. elastic gauze	AEMT	
	e. burn sheet (sterile) or clean wrapped sheets	AEMT	
	f. gauze pads (sterile and non-sterile) (4x4 and 2x2)	AEMT	
	g. multi-trauma dressing	AEMT	
	h. trauma scissors	AEMT	
	i. sterile eye pads	AEMT	
	j. triangular bandage	AEMT	
	k. petroleum gauze	AEMT	
	l. tape [various sizes (1" to 3")]	AEMT	
	m. commercial tourniquet for progressive bleeding control	AEMT	