

Paramedicine, AAS

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment							
	EMS190	EMS240	EMS245	EMS272A	EMS272B	EMS272C	EMS272D	EMS272E
1. (Analysis Level) Describe and analyze the roles and responsibilities of the advanced emergency medical technician (paramedic).	✓	✓	✓	✓	✓	✓	✓	✓
2. (Evaluation Level) Describe and evaluate the actions, indications, contraindications, precautions, side effects and dosages of the drugs included in the current Arizona Department of Health Services approved paramedic drug box.	✓	✓		✓	✓	✓	✓	✓
3. (Analysis Level) Administer parenteral medications based on an analysis of patient needs and patient's current prescribed and OTC medications.	✓	✓		✓	✓	✓	✓	✓
4. (Application Level) Identify, treat and record infiltration and discontinuing intravenous (IV) lines. Demonstrate competency of discontinuing intravenous (IV) lines.	✓	✓		✓	✓	✓	✓	✓
5. (Application Level) Obtain and record blood samples on any patient requiring the procedure. Demonstrate competency of this procedure.				✓	✓	✓	✓	✓
6. (Evaluation Level) Describe the paramedic's role in a patient care situation as defined by the US Department of Transportation and conduct self- and peer-critiques.	✓	✓	✓	✓	✓	✓	✓	✓
7. (Analysis Level) Describe, analyze, and discuss the components of the Well-Being of a Paramedic as defined by the US Department of Transportation.	✓		✓	✓	✓	✓	✓	✓
8. (Evaluation Level) Describe, evaluate and discuss the objectives listed under injury prevention for the patient and the caregiver.	✓		✓	✓	✓	✓	✓	✓
9. (Analysis Level) Describe and analyze the components of medico-legal issues involving the paramedic and the Standard of Care.	✓	✓	✓	✓	✓	✓	✓	✓
10. (Evaluation Level) Define, evaluate and describe ethics related to patient care.	✓	✓		✓	✓	✓	✓	✓
11. (Evaluation Level) Describe, evaluate, and discuss the importance of human systems to include anatomy and physiology as it relates to paramedicine.	✓	✓	✓	✓	✓	✓	✓	✓

Paramedicine, AAS								
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12. (Evaluation Level) Describe, evaluate and discuss the general principles of pathophysiology.	✓	✓	✓	✓	✓	✓	✓	✓
13. (Evaluation Level) Outline, evaluate, and discuss the objectives in therapeutic communications with patients.	✓			✓	✓	✓	✓	✓
14. (Synthesis Level) Based on the mechanics of respiration and the elements of airway management and ventilation, successfully intubate and demonstrate competency on all classes of humans, and perform successful ventilation, both advanced and basic forms.	✓	✓	✓	✓	✓	✓	✓	✓
15. (Evaluation Level) Define, analyze, treat and evaluate treatment of all types of respiratory compromise based on effective treatment modalities authorized by DHS and National Registry of EMTs-Basic and Paramedic.	✓	✓	✓	✓	✓	✓	✓	✓

Paramedicine Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment							
	EMS190	EMS240	EMS245	EMS272A	EMS272B	EMS272C	EMS272E	BIO160
1. (Analyzing Level) Describe and analyze the roles and responsibilities of the advanced emergency medical technician (paramedic). (CSLO 1,3,4)	✓	✓	✓	✓	✓	✓	✓	
2. (Evaluating Level) Describe and evaluate the actions, indications, contraindications, precautions, side effects, and dosages of the drugs included in the current Arizona Department of Health Services approved paramedic drug box. (CSLO 1,3,4)	✓	✓		✓	✓	✓	✓	
3. (Analyzing Level) Administer parenteral medications based on an analysis of patient needs and patient's current prescribed and OTC medications. (CSLO 1,3,4)	✓	✓		✓	✓	✓	✓	
4. (Applying Level) Identify, treat and record infiltration and discontinuing intravenous (IV) lines. Demonstrate competency of discontinuing intravenous (IV) lines. (CSLO 1,2,3)	✓	✓	✓	✓	✓	✓	✓	
5. (Applying Level) Obtain and record blood samples on any patient requiring the procedure. Demonstrate competency of this procedure. (CSLO 1,2,3)	✓		✓	✓	✓	✓	✓	
6. (Evaluating Level) Describe the paramedic's role in a patient care situation as defined by the US Department of Transportation and conduct self- and peer-critiques. (CSLO 1,3,4)	✓	✓	✓	✓	✓	✓	✓	
7. (Analyzing Level) Describe, analyze, and discuss the components of the Well-Being of a Paramedic as defined by the US Department of Transportation. (CSLO 1,3,4)				✓	✓	✓	✓	
8. (Evaluating Level) Describe, evaluate, and discuss the objectives listed under injury prevention for the patient and the caregiver. (CSLO 1,3,4)	✓			✓	✓	✓	✓	
9. (Analyzing Level) Describe and analyze the components of medico-legal issues involving the paramedic and the Standard of Care. (CSLO 1,3,4)	✓	✓		✓	✓	✓	✓	

Paramedicine Certificate								
Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment							
10. (Evaluating Level) Define, evaluate, and describe ethics related to patient care. (CSLO 1,3,4)	✓	✓		✓	✓	✓	✓	
11. (Evaluating Level) Describe, evaluate, and discuss the importance of human systems to include anatomy and physiology as it relates to paramedicine. (CSLO 1,3,4)			✓	✓	✓	✓	✓	✓
12. (Evaluating Level) Describe, evaluate, and discuss the general principles of pathophysiology. (CSLO 1,3,4)		✓	✓	✓	✓	✓	✓	✓
13. (Evaluating Level) Outline, evaluate, and discuss the objectives in therapeutic communications with patients. (CSLO 1,3,4)				✓	✓	✓	✓	
14. (Creating Level) Based on the mechanics of respiration and the elements of airway management and ventilation, successfully intubate and demonstrate competency on all classes of humans, and perform successful ventilation, both advanced and basic forms. (CSLO 1,2,3)	✓	✓	✓	✓	✓	✓	✓	
15. (Evaluating Level) Define, analyze, treat, and evaluate treatment of all types of respiratory compromise based on effective treatment modalities authorized by DHS and National Registry of EMTs-Basic and Paramedic. (CSLO 1,3,4)	✓	✓		✓	✓	✓	✓	

Basic EMT Certificate			
Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment		
	EMS110	EMS125	EMS125A
1. (Creating Level) Students will be able to demonstrate appropriate solutions to ethical situations in the prehospital setting. (CSLO 1, 2, 4)		✓	
2. (Evaluating Level) Students will be able to demonstrate their ability to perform an appropriate primary/initial assessment of the ill or injured patient in the prehospital setting. (CSLO 2, 4)		✓	✓
3. (Evaluating Level) Recognize the nature and seriousness of the patient's condition or extent of injuries to assess requirements for emergency medical care. (CSLO 3, 4)		✓	✓
4. (Evaluating Level) Administer appropriate emergency medical care based on assessment findings of the patient's condition. (CSLO 3, 4)	✓	✓	✓
5. (Applying Level) Lift, move, position, and otherwise handle the patient to minimize discomfort and prevent further injury. (CLSO 2, 3)		✓	✓
6. (Applying Level) Perform safely and effectively the expectations of the job description. (CSLO 3)		✓	