



## Learning Outcomes

1. Demonstrate the cognitive (knowledge), psychomotor (skills), and affective (behavior) skills while performing all patient care assessments and therapeutic modalities in out-of-classroom environments (patient care settings), as well as case-based scenario labs.  
EMSP 200, EMSP 205, EMSP 211, EMSP 216, EMSP 219, EMSP 229, EMSP 230, EMSP 269, EMSP 261, EMSP 242, EMSP 271, EMSP 274, EMSP 251
2. Formulate a field impression and implementation of a field treatment plan for a trauma patient through a systemic approach to patient assessment and management, airway and ventilation management, shock, soft tissue and burn injuries, isolated and multi-systems trauma, and various types of trauma patients.  
EMSP 242, EMSP 230, EMSP 271, EMSP 282
3. Perform a pragmatic approach and systematic format regarding medical patient assessment and management through formulation of a general impression, determine the patient's stability, and explore the possibilities of differential diagnoses and treatment plans.  
EMSP 219, EMSP 269, EMSP 230, EMSP 271, EMSP 282
4. Identify current techniques in pre-hospital emergency care for the basic emergency medical technician to include signs and symptoms of illness, injuries, medical emergencies, appropriate medical techniques, and ambulance operations.  
EMSP 200, EMSP 251
5. Assess, extricate, and care for victims of crash incidents utilizing the following management skills; scene size-up, disentanglement, victim stabilization for single and multi-victim situations, hazardous materials incidents, integration of local emergency medical services (EMS) for patient assessment and management, and standard operating procedures to selected victim scenarios.  
EMSP 242, EMSP 251, FIRE 133
6. Describe the basic pharmacological background and actions of drugs, regulations, human body systems, pharmacokinetics, and drug calculations.  
EMSP 216

7. Demonstrate the advanced life support skills approach to emergency care of the emotionally disturbed to include emotional aspects, approach to the patient, psychiatric emergencies and techniques of management.  
EMSP 261
8. Identify the roles and responsibilities, Emergency Medical Services (EMS) components, well-being, illness and injury prevention, ethics, medical and legal considerations.  
EMSP 211
9. Identify the anatomy and physiology, age specific techniques and procedures, and respiratory pharmacology in order to establish and/or maintain a patient's airway.  
EMSP 205
10. Perform an advanced physical assessment on an emergency patient to include the physical exam, integrative and on-going exams, and communicate/document the findings to the patient and others.  
EMSP 200
11. Utilize assessment findings to formulate a field impression and implement the treatment plan for obstetric, neonatal, pediatric, geriatric, and chronic-care patients.  
EMSP 261
12. Interpret basic electrocardiographic (ECG) rhythm analysis and identify related care in a clinical and pre-hospital setting.  
EMSP 219
13. Define medical terminology, the human body structures, and pathophysiology foundations in paramedicine.  
EMSP 211
14. Recognize and intervene on medical emergencies related to toxicology, hazardous materials, infectious disease, and hematology. Includes poisoning, drug overdose, and transmission of infectious diseases.  
EMSP 269
15. Identify pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease/injury based on 3-lead and 12-lead cardiac monitoring and interpretation. Define cardiovascular anatomy and physiology, cardiovascular pathologies and management, and adjunctive diagnostics.  
EMSP 219
16. Perform a pediatric assessment, airway management and respiratory emergencies, cardiovascular emergencies, neonatal emergencies, children with special healthcare needs, and Sudden Infant Death Syndrome (SIDS). EMSP 261, EMSP 205

17. Demonstrate the skills associated with medical and trauma emergencies for the newborn and pediatric patient to include in-depth study of emergency pediatric care, methods of patient assessment, medical emergencies, pediatric trauma, and management of Children with Special Health Care Needs (CSHCN).

EMSP 261

18. Perform independent research in advanced pre-hospital care and submit in writing your findings in accordance with MLA or APA format.

EMSP 256

## Program Goals:

In addition to providing the highest quality pre-hospital education available, San Juan College EMS Program emphasis is on personal and professional growth, integrity, and professionalism. It is our intention to graduate the most qualified and professional entry-level paramedics. The program goals and objectives are derived from, and are compatible with, the mission statement of SJC and the expectations of the community served by the program.

1. To prepare students as competent entry level Paramedics.
2. To provide educational opportunities in Emergency Medical Services which meet the needs of the community of interest.
3. To provide opportunities for the development of talents; this will enable individuals to increase their contributions to society.
4. In addition to providing the highest quality pre-hospital education available, SJC emphasis is on personal and professional growth, integrity, and professionalism. It is our intention to graduate the most qualified and professional entry-level paramedics.

Upon successful completion of the paramedic program, the graduate will be able to:

1. Demonstrate the ability to comprehend, apply, analyze, and evaluate information relevant to their role as an entry level Paramedic (cognitive).
2. Demonstrate technical proficiency in all skills necessary to fulfill the role as an entry level Paramedic (psychomotor).
3. Demonstrate personal behaviors consistent with professional and employer expectations for an entry level Paramedic (affective).

## Program Effectiveness Data/Program Outcomes:

### National Registry of Emergency Medical Technicians (NREMT):

#### NREMT Practical Examinations for Paramedic:

2012/2013:	5 students tested; 5 students passed (100% first-time pass rate)
2013/2014:	4 students tested; 4 students passed (100% first-time pass rate)
2014/2015:	4 students tested; 4 students passed (100% first-time pass rate)
2016/2017:	7 students tested; 7 students passed (100% first-time pass rate)
2018:	8 students tested; 8 students passed (100% pass rate, 1 student 2 <sup>nd</sup> time)
2019/2020:	7 students tested; 7 students passed (100% pass rate, 1 student 2 <sup>nd</sup> time)
2020/2021:	2 students tested; 2 students passed (100% first-time pass rate)
2021/2022:	5 students tested; 5 students passed (100% first-time pass rate)
2022/2023:	7 students tested; 7 students passed (100% first-time pass rate)

#### NREMT Written Examinations for Paramedic:

2012/2013:	5 students tested; 5 students passed 1 <sup>st</sup> attempt (100% pass rate)
2013/2014:	4 students tested; 4 students passed 1 <sup>st</sup> attempt (100% pass rate)
2014/2015:	4 students tested; 4 students passed 1 <sup>st</sup> attempt (100% pass rate)
2016/2017:	7 students tested; 7 students passed 1 <sup>st</sup> attempt (100% pass rate)
2018:	8 students tested; 8 students passed 1 <sup>st</sup> attempt (100% pass rate)
2019/2020:	7 students tested; 7 students passed 1 <sup>st</sup> attempt (100% pass rate)
2020/2021:	2 students tested; 2 students passed 1 <sup>st</sup> attempt (100% pass rate)
2021/2022:	4 students tested; 4 students passed 1 <sup>st</sup> attempt (100% pass rate)
2022/2023:	7 students tested; 7 student passed 1 <sup>st</sup> attempt (100% pass rate)

Attrition/Retention Rates:

Class of 2014-2015:	#4/5 students graduated; 80% retention rate
Class of 2016-2017:	#7/10 students graduated; 70% retention rate
Class of 2018:	#8/10 students graduated; 80% retention rate
Class of 2019-2020:	#7/8 students graduated; 88% retention rate
Class of 2020-2021:	#2/5 students graduated; 40% retention rate
Class of 2021-2022:	#5/8 students graduated; 63% retention rate
Class of 2022-2023:	#7/8 students graduated; 88% retention rate

Graduate Job Placement:

Class of 2014-2015:	100% job placement
Class of 2016-2017:	100% job placement
Class of 2018:	100% job placement
Class of 2019-2020:	100% job placement
Class of 2020-2021:	100% job placement
Class of 2021-2022:	100% job placement
Class of 2022-2023:	100% job placement