

# Paramedic Science, AAS

Academic Year 2025-2026

## Program Description:

The Paramedic is an allied health professional whose primary focus is to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. This individual possesses the complex knowledge and skills necessary to provide patient care and transportation. Paramedics function as part of a comprehensive EMS response, under medical oversight. Paramedics perform interventions with the basic and advanced equipment typically found on an ambulance. The Paramedic is a link from the scene into the health care system. The student completing an Associate in Applied Science Paramedic Degree will complete in addition to the Paramedic courses, general education courses that will better prepare the student to enter the workforce and progress to competitive job markets and management positions. The Paramedic Science Associate Degree is an intense program designed for individuals involved in pursuing a career in the Emergency Medical Services field. The program consists of classroom lectures, practical labs and approximately 400 hours of clinical internships. Students will be eligible to sit for the National Registry of Emergency Medical Technicians Examination after the successful completion of the core courses for the level they will be testing, only if the student has maintained a letter grade of "C" or better in all EME/PAR courses and a "CR" in all clinical courses.

## Occupational Risks:

Working in Emergency Medical Services poses inherent occupational risks for EMS providers. Risks include the following:

- Violence/assaults
- Verbal threats/aggression
- Motor vehicle crashes
- Infectious disease
- Lifting injuries
- Sprains and strains
- Psychological trauma
- Hazardous chemical exposure
- Hyper/hypothermia

## Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## Program Outcomes:

- Students of the program will be prepared to enter the workforce as competent EMS providers to provide prehospital emergency care to acutely ill or injured patients
- Students will gain employment in the field and employer surveys will indicate satisfaction with skills and knowledge
- Students will be prepared to successfully pass the National Registry of EMT's psychomotor and cognitive exams
- The general education courses better prepare the student to enter the workforce and progress to competitive job markets and management positions

## Admission Requirements:

1. Students seeking admission into the Paramedic Science program should arrange an appointment with the program faculty to obtain current admission requirements. This is to ensure that students receiving up to date information regarding the program admission requirements and the criteria for selection.
2. Students must be EMT certified and maintain EMT certification as prerequisite for admission to and continuation in the program.
3. Students must successfully pass a criminal background and drug screen prior to placement in a clinical setting.

## Contact Information:

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Mountwest Community & Technical College

02/10/2025

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Paramedic Science <sup>1,2,3,4,5</sup> – Major Code CP 30							
Name:					ID Number 942-		
Educational Counselor:							
Faculty Advisor:							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
Fall (First) Semester							
BIOL 257	Principles of Anatomy & Physiology <sup>7</sup>		3				
BIOL 259	Principles of A & P Lab		1				
ENL 101	Written Communication <sup>8</sup>		3				
MAT 135	Technical Math		3				
	Gen Ed Elective (100-level or above)		3				
Spring (Second) Semester			13				
EME 109	Emergency Medical Technician		10				
	Gen Ed Elective (100-level or above)		3				
Fall (Third) Semester			13				
EME 201	Intro to Medical Emergencies		3				
EME 202	Airway/Trauma Management		4				
PAR 212	Pre-Hospital Pharmacology		2				
PAR 225	Rescue Operations		3				
EME 251	EMS Clinical I		2				
Spring (Fourth) Semester			14				
PAR 220	Cardiovascular Emergencies		4				
PAR 230	Special Patient Considerations		3				
PAR 231	Medical Emergencies		3				
PAR 251	Paramedic Clinical I		2				
PAR 252	Paramedic Clinical II		2				
PAR 270	EME Emergencies		4				
Summer (Fifth) Semester			18				
PAR 253	Paramedic Clinical III		3				
PAR 205	EMS Preparatory		3				
PAR 290	Paramedic Capstone		3				
			9				
	Hours required for Graduation: 67						

<sup>1</sup> Students move through paramedic (EME/PAR) coursework in sequence, beginning with the Third Semester (Fall) coursework.

<sup>2</sup> Students must receive a letter grade of “C” or higher in “EME/PAR” courses to be eligible for the National Registry Exam.

<sup>3</sup> Students who hold a current National Registry AEMT certification and meet all General Education requirements may begin the program in the Spring (Fourth) semester.

<sup>4</sup> Clinical Grades will be given on a Credit/Non-Credit basis. Students must earn a credit grade in all “EME/PAR” clinical courses to be eligible for the National Registry Exam.

<sup>5</sup> Students who at any time during the program earn a letter grade below “C” in “EME/PAR” courses, or receive a non-credit in “EME/PAR” clinical courses will be dismissed from the program.

<sup>6</sup> Students who are dismissed from the program may reapply the next time the program begins.

<sup>7</sup> Students who are EMT certified may begin coursework during the third semester of the A.A.S. Degree Program. If a student has not completed BIOL 257 & 259 it must be taken during the Fall (Third) Semester.

<sup>8</sup> ENL 101 has a prerequisite of ACT 18, SAT 480, Accuplacer 250-300, or placed in ENL 101E. Students must complete ENL 101 or ENL 101E with a "C" or better to graduate.