

Paramedic Science, CAS

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 the three semester Certificate Degree Program, will have completed an intense 11-month long program consisting of 45 credit hours. This program is designed for individuals involved in both career and volunteer aspects of the Emergency Medical Services realm. The program consists of classroom lectures, practical labs and approximately 400 hours of clinical internships, as well as EMS courses specifically designed for EMS professionals. 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 "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/.

Admission Requirements:

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 receive up to date information regarding the program admission requirements and the criteria for selection.

Students must be EMT certified and maintain EMT certification as prerequisite for admission to and continuation in the program. 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

Academic Year 2025-2026

Paramedic Science Certificate ^{1,2,3,4,5,6,7,8} —Major Code CP40	
Name:	ID Number 942-

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
Fall Semester							
BIOL 257	Intro to Anatomy & Physiology		3				
BIOL 259	Basic Anatomy & Physiology Lab		1				
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 Semester			18				
PAR 220	Cardiovascular Emergencies		4				
PAR 230	Special Considerations		3				
PAR 231	Medical Emergencies		3				
PAR 251	Paramedic Clinical I		2				
PAR 252	Paramedic Clinical II		2				
PAR 270	EMS Emergencies		4				
Summer Semester			18				
PAR 205	EMS Preparatory		3				
PAR 253	Paramedic Clinical III		3				
PAR 290	Paramedic Capstone		3				
			9				
Hours Required for Graduation: 45							

¹Student must be EMT certified and maintain EMT certification as prerequisite for admission to and continuation in the program. See program advisor for information on application to the Paramedic Science Certificate Program.

²Students who hold a current National Registry AEMT certification may begin the program in the Spring semester.

³Students move through paramedic coursework in sequence, beginning with the first semester (fall) coursework.

⁴Students must receive a letter grade of “C” or higher in “EME/PAR” courses to be eligible for the National Registry of EMT’s exam.

⁵Clinical 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 of EMT’s exam.

⁶Students 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.

⁷Students who are dismissed from the program may reapply the next time the program begins.

⁸This program has built-in embedded computation and communication outcomes as developed by general education faculty