

# Paramedic Science

## Certificate in Health Occupations

### Program Description:

The Emergency Medical Technician-Paramedic (EMT-Paramedic) is a specialist in the pre-hospital care of the sick and injured. This person bridges the gap between the emergency room physician and the critical patient in the out-of-hospital setting. Paramedics provide emergency medical treatment and stabilization, rescue of persons entrapped in life-threatening situations, transportation of critical patients to specialized treatment facilities, support and assistance to fire and law enforcement agencies, and public education and safety training to target populations.

The student completing the One-Year Certificate Program in Paramedic Science will have completed an intense 12-month long program of 49 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 Paramedic Examination after the successful completion of the Paramedic Science Program only if the student has maintained a letter grade of "C" or higher in all Paramedic Science courses and earned credit "CR" for all Paramedic Clinical courses. Students must have earned a letter grade of "C" or better in all PAR courses and a "CR" in clinical courses to be eligible for registration in the following semester PAR courses.

### Career Outlook:

Employment of emergency medical technicians and paramedics is expected to grow faster than the average for all occupations through 2012. Population growth and urbanization will increase the demand for full-time paid EMTs and Paramedics rather than for volunteers. In addition, a large segment of the population—the aging baby boomers—will further spur demand for EMT services as they become more likely to have medical emergencies. There will still be demand for part-time, volunteer EMTs and paramedics in rural areas and smaller metropolitan areas. In addition to those arising from job growth, openings will occur because of replacement needs.

### Salary Forecast:

Earnings of EMTs and paramedics depend on the employment setting and geographic location as well as the individual's training and experience. Median annual earnings of EMTs and paramedics were \$31,980 in May 2008. The middle 50 percent earned between \$23,140 and \$38,030. The lowest 10 percent earned less than \$18,880, and the highest 10 percent earned more than \$49,440. Median annual earnings in the industries employing the largest numbers of EMTs and paramedics in May 2008 were:

Local government \$35,916

General medical and surgical hospitals \$32,710

Other ambulatory health care services \$28,960

(Information obtained from the Bureau of Labor Statistics, *Occupational Outlook Handbook 2008-2009*)

### Admission Requirements:

1. Students seeking admission into the Paramedic Science program must arrange an appointment with the program faculty prior to submitting the application packet. This is to ensure that students receive current information regarding the program admission requirements and the criteria for selection. Application packets are available at the Allied Health and Life Sciences Division, Cabell Hall Room 304 or call (304) 696-6270 for more information.
2. Students must be EMT-B certified and maintain EMT-B certification as prerequisite for admission to and continuation in the program.
3. Prior to admission to the Paramedic Science program and/or clinical internships, students may be required to document that they have successfully passed a criminal background check and drug screen. For more information concerning the Allied Health criminal background check and drug screen procedure, please contact the Dean of Allied Health and Life Sciences at (304) 696-6270.
4. Current CPR certification.

## First Year

**Admission Requirements** “C” or better in all the following PAR classes, a current EMT-B certification\license.

### First Semester (Fall Only) – 19 hours

BIO 258	Principles of Anatomy & Physiology	4 hours	Completed_____	Grade_____
PAR 130	Intro to EMS	3 hours	Completed_____	Grade_____
PAR 210	Patient Assessment & Airway	2 hours	Completed_____	Grade_____
PAR 211	Principles of Trauma Management	2 hours	Completed_____	Grade_____
PAR 212	Pre-Hospital Pharmacology	2 hours	Completed_____	Grade_____
PAR 241	Advanced Paramedic Skills Lab I	3 hours	Completed_____	Grade_____
PAR 251	Paramedic Clinical I	3 hours	Completed_____	Grade_____

### Second Semester (Spring Only) – 18 hours

PAR 220	Cardiovascular Emergencies	4 hours	Completed_____	Grade_____
PAR 221	OB\GYN\Neonatal\Pediatric	2 hours	Completed_____	Grade_____
PAR 230	Pre-Hospital Considerations	2 hours	Completed_____	Grade_____
PAR 231	Medical Emergencies	4 hours	Completed_____	Grade_____
PAR 242	Advanced Paramedic Skills Lab II	3 hours	Completed_____	Grade_____
PAR 252	Paramedic Clinical II	3 hours	Completed_____	Grade_____

### Third Semester (Summer Only) – 12 hours

PAR 125	Rescue Operations	3 hours	Completed_____	Grade_____
PAR 243	Advanced Paramedic Skills Lab III	3 hours	Completed_____	Grade_____
PAR 253	Paramedic Clinical III	3 hours	Completed_____	Grade_____
IT	Elective (100 level or above)	3 hours	Completed_____	Grade_____

**Hours required for graduation – Minimum 49 hours**

#### Contact Information:

Edward Bays • Cabell Hall, Room 211

Phone: 304-696-4870 or 1-866-N-ROLLED (1-866-676-5533) • E-mail: bays@mctc.edu

1. Students must be EMT-B certified and maintain EMT-B certification as prerequisite for admission to and continuation in the program. See program advisor for information on application to the Paramedic Science Certificate Program.
2. Students move through paramedic coursework in sequence, beginning with the First Semester (Fall) coursework.
3. Students must receive a letter grade of “C” or higher in “PAR” courses to be eligible to graduate from the program.
4. Clinical Grades will be given on a Credit/Non-Credit basis. Students must earn a credit grade in all “PAR” clinical courses to be eligible to graduate from the program.
5. Students who at any time during the program earn a letter grade below “C” in “PAR” courses, or receive a non-credit in “PAR” clinical courses will be dismissed from the program.
6. Students who are dismissed from the program may reapply the next time the program begins.