

PARAMEDIC TECHNOLOGY (PAR)

PAR 201. Principles of Paramedic Technology I. 8 Credit Hours.

This course is an overview of Paramedic practice integrating the theory behind the use of advanced diagnostic and treatment procedures into the management of organic, life-threatening emergencies.

Corequisite: PAR 211.

Prerequisites: EMT 121, BIO 207, department approval and Reading Proficiency.

PAR 202. Principles of Paramedic Technology II. 8 Credit Hours.

This course serves as an overview of paramedic practice as well as integrating the theory behind the use of advanced diagnostic and treatment procedures in the management of organic, life-threatening emergencies. Topics include cardiovascular, cerebrovascular and other medical emergencies and their relationship to their respective disease processes.

Corequisite: PAR 212, PAR 222, PAR 224, PAR 226.

Prerequisites: PAR 201 with a "C" or higher and Reading Proficiency.

PAR 203. Pharmacology for Paramedics. 3 Credit Hours.

This course discusses drug theory and usage by paramedical personnel. Areas of emphasis are general principles of drug action, the mathematics of dosage calculation, the therapeutic effects, indications, contraindications, dosages, administration routes, and possible side effects of emergency drugs. Discussion of important prescription medications and their relationship to emergency treatment.

Corequisite: PAR 201.

Prerequisite: Reading Proficiency.

PAR 211. Paramedic Laboratory I. 1 Credit Hour.

This course covers the practical skills relating to PAR 201 including patient assessment and history taking techniques, parental infusion techniques, antishock trousers, oxygen administration, airway adjuncts to include endotracheal intubation and cricothyrotomy techniques.

Corequisites: PAR 201, PAR 221, PAR 223.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 212. Paramedic Laboratory II. 1 Credit Hour.

This course covers the practical skills relating to PAR 202 and PAR 226, including patient assessment and history taking techniques with emphasis on ECG interpretation as well as special OB/GYN techniques. At the completion of the semester all skills covered previously will be reviewed. Additional lab hours required.

Corequisites: PAR 202, PAR 226.

Prerequisite: Reading Proficiency.

PAR 221. Paramedic Clinical I. 3 Credit Hours.

Paramedic Clinical I provides the student the opportunity to demonstrate the ability to perform airway, pharmacology and medical skills by completing a minimum of 236 clinical hours in various hospital departments and on an ambulance.

Corequisites: PAR 235.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 222. Paramedic Clinical II. 3 Credit Hours.

Paramedic Clinical II builds upon the clinical hours in various hospital departments and on an ambulance from Paramedic Clinical I.

Prerequisites: PAR 221 and Reading Proficiency.

PAR 223. Paramedic Internship I. 1 Credit Hour.

This course is designed specifically for those students who are currently enrolled in Paramedic Technology. Arrangements are made for the student to work with a pre-hospital, advanced life support system under the supervision of licensed personnel. Students will observe and practice the application of paramedic skills. Additional hours required.

Corequisite: PAR 201.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 224. Paramedic Internship II. 1 Credit Hour.

This course is designed specifically for the student who is currently enrolled in PAR 202 and PAR 226. Arrangements are made for the student to work with a pre-hospital, advanced life support system under the supervision of licensed personnel. Student will observe and practice the application of paramedic skills. Additional lab hours required.

Corequisites: PAR 202, PAR 212, PAR 222, PAR 226.

Prerequisites: PAR 201 and Reading Proficiency.

PAR 225. Paramedic Internship III. 4 Credit Hours.

This course is designed specifically for the student who is currently enrolled in Paramedic Technology. Arrangements are made for the student to work with a pre-hospital advanced life support system under the supervision of licensed personnel. Student will observe and practice the application of paramedic skills. Additional hours required.

Corequisites: PAR 227, PAR 228.

Prerequisites: PAR 226 and Reading Proficiency.

PAR 226. Principles of Paramedic Technology III. 3 Credit Hours.

This course integrates the theory behind the use of advanced diagnostic treatment procedures into the practice of the paramedic. Areas of emphasis include infectious disease, OB/GYN, behavior, abuse, geriatrics, hematology and patients with special considerations.

Corequisites: PAR 202, PAR 212, PAR 222, PAR 224.

Prerequisites: PAR 201 and Reading Proficiency.

PAR 227. Principles of Paramedic Technology IV. 4 Credit Hours.

This course integrates the theory behind the use of advanced diagnostic treatment, assessment based management, counseling, rescue and communication procedures into the practice of the paramedic. Areas of emphasis include pediatrics, management of the chronically ill patient, extrication and rescue and communication techniques.

Corequisites: PAR 225, PAR 228.

Prerequisites: PAR 201, PAR 202, PAR 226 and Reading Proficiency.

PAR 228. Paramedic Clinical III. 1 Credit Hour.

Student provides advanced therapy to hospitalized patients under the supervision of licensed personnel. Additional hours required.

Corequisites: PAR 225, PAR 227.

Prerequisites: PAR 226 and Reading Proficiency.

PAR 233. EMS Foundations. 1 Credit Hour.

EMS Foundations provides the student with an introduction to what it means to be a Paramedic. The course includes the following topics: EMS Systems, Research, Safety and Wellness, Documentation, EMS System Communication, Therapeutic Communication, Medical/Legal and Ethics.

Prerequisite: Admission to Paramedic Program and Reading Proficiency.

PAR 234. EMS Pharmacology. 3 Credit Hours.

EMS Pharmacology provides the student with the principles of pharmacology, safety and administration, pharmacodynamics, pharmacokinetics and emergency medications.

Corequisite: PAR 235.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 235. Paramedic Skills I. 2 Credit Hours.

Paramedic Skills 1 introduces the basic required skills to function as a Paramedic. The student will learn and be competent in medication administration (IV, IO, IM, SQ, inhaled), patient assessment and airway management.

Corequisite: PAR 234.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 236. EMS Pathophysiology. 2 Credit Hours.

EMS Pathophysiology is a course where the student will learn the principles of pathophysiology as it relates to the emergency patient, how to recognize pathophysiologic findings and how to anticipate changes in a patient's condition based upon the findings.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 237. Pulmonology. 2 Credit Hours.

Pulmonology is a course in which the student will review the respiratory anatomy and physiology, assessment and treatment of respiratory emergencies.

Prerequisites: Admission to the Paramedic program and Reading Proficiency.

PAR 238. Cardiology. 4 Credit Hours.

Cardiology teaches the student to recognize and treat cardiovascular emergencies, perform ECGs and interpret ECGs.

Prerequisites: PAR 234, PAR 235, PAR 236, PAR 237, PAR 242, or by permission of the program director, and Reading Proficiency.

PAR 239. Trauma. 3 Credit Hours.

Trauma is the review of the anatomy, physiology and pathophysiology of trauma, and assessment and treatment of various traumatic injuries.

Prerequisites: PAR 234, PAR 235, PAR 236, PAR 242 and Reading Proficiency.

PAR 240. EMS Operations. 2 Credit Hours.

EMS Operations addresses various aspects of Emergency Medical Services including Incident Management, Mass Casualty Incident, Hazardous Materials, Rescue Operations, Air Evacuation and Terroristic threats.

Prerequisites: PAR 234, PAR 235, PAR 236, PAR 237, PAR 242 or by permission of the program director and Reading Proficiency.

PAR 241. EMS Seminar. 3 Credit Hours.

EMS Seminar is a capstone course designed to help students synthesize various patient assessment techniques and treatment plan implementations. The student will review all the skills and knowledge necessary to prepare for the NREMT practical and written examinations.

Prerequisites: PAR 233, PAR 238, PAR 239, PAR 240, PAR 222, PAR 245, PAR 244, and Reading Proficiency.

PAR 242. Medical Care. 4 Credit Hours.

Medical Care is a course in which the student will review anatomy and physiology of the human body and study neurology, abdominal and gastrointestinal disorders, immunology, infectious diseases, endocrine disorders, toxicology, hematology, renal/genitourinary, psychiatric, non-traumatic musculoskeletal disorders and diseases of the eye, ear, nose and throat.

Prerequisites: Admission to Paramedic program and Reading Proficiency.

PAR 243. Field Internship. 4 Credit Hours.

Field Internship students will be assigned to an Advanced Life Support ambulance where they will act as the team leader in performing total patient care including assessment and treatment of the patient. Co-requisite: PAR 241.

Prerequisites: Admission to Paramedic program, PAR 233, PAR 234, PAR 235, PAR 236, PAR 237, PAR 238, PAR 239, PAR 240, PAR 242, PAR 244, PAR 221, PAR 222, PAR 245, and Reading Proficiency.

PAR 244. Special Patients. 2 Credit Hours.

Special Patients is a course where the student will receive instruction in the care of the obstetric patient, neonatal and pediatric care, geriatrics and patients with special challenges. Co-requisite: PAR 245.

Prerequisites: Admission to Paramedic program and Reading Proficiency.

PAR 245. Paramedic Skills II. 2 Credit Hours.

Paramedic Skills II brings continues with skills from Paramedic Skills I and adds advanced skills to the Paramedic student including assessment of the pediatric patient, critical care patient assessment, methods of infant delivery, thoracentesis, cricothyrotomy and ventilators. Co-requisite: PAR 244.

Prerequisites: PAR 234, PAR 235, PAR 236, PAR 237, PAR 242, or by permission of the program director, and Reading Proficiency.