

ECP - EMERGENCY CARE PROVIDER

<p>ECP 100 First Aid & CPR. 2 Credits Term Typically Offered: Fall, Spring Considers the emergency care to be given victims of accident or sudden illness. Develops safety consciousness and prevention as well as stresses individual responsibility, rights and wrongs in times of disaster. Standard First Aid and CPR certification awarded upon successful completion of the course. Lecture Hours 2 Department: Health & Human Performance</p>	<p>ECP 206 EMS Case Studies. 4 Credits Term Typically Offered: Fall Provides an opportunity to study and manage trauma and respiratory emergencies from a case study perspective. Trauma topics covered include shock, head, spinal, thoracic, abdominal, burns, and environmental. Respiratory topics covered include asthma, emphysema, chronic bronchitis, pneumonia, pulmonary edema, and embolism. Lecture Hours 4 Department: Health Occupations - COT</p>
<p>ECP 103 Basic Lifeguard Training. 2 Credits Term Typically Offered: Spring The student who successfully completes this course receives certificates in the following American Red Cross courses: CPR for the Professional Rescuer and Lifeguarding. Lecture Hours 2 Department: Health & Human Performance</p>	<p>ECP 207 Cardiology. 4 Credits Term Typically Offered: Fall Provides an in-depth study in the pathophysiology and management of cardiovascular disease and related emergencies. Topics include anatomy and physiology of the heart and circulatory system, basics of electrophysiology, assessment of the cardiac patient, pathophysiology of atherosclerosis, specific conditions resulting from atherosclerotic heart disease, peripheral vascular emergencies, pharmacologic intervention, dysrhythmia recognition, and specific management of cardiac emergencies. Lecture Hours 4 Department: Health Occupations - COT</p>
<p>ECP 120 Emergency Medical Responder. 3 Credits Term Typically Offered: Spring Prerequisite(s): Basic First Aid preferred. Covers first responder techniques, equipment, and prevention content areas are covered. Development of first responder skills, including assessment, surveys, treatment, and prevention techniques. Specialized areas of pre-professional CPR, oxygen therapy, resuscitation mask, and spinal back boarding are included. Awards certification for First Responder and CPR upon successful completion of requirements. Lecture Hours 3 Department: Health & Human Performance</p>	<p>ECP 208 Cardiology Lab and ACLS. 1 Credit Term Typically Offered: Spring Corequisite(s): ECP 207. The student practices and gains manipulative skills to satisfactorily manage the task in ECP 207. Upon completion, the student receives provider certification in Advanced Cardiac Life Support. Lab Hours 2 Department: Health Occupations - COT</p>
<p>ECP 200 Transition to Paramedic Care. 3 Credits Term Typically Offered: Spring Provides an opportunity to start learning the cognitive, psychomotor, and behavioral differences between an EMT and paramedic. Topics covered include roles and responsibilities of the paramedic, EMS systems, licensure/recertification requirements, medical legal, patient evaluation, radio communication, documentation, and current issues that impact the EMS profession. Lecture Hours 3 Department: Health Occupations - COT</p>	<p>ECP 216 Hospital Clinical I. 5 Credits Term Typically Offered: Fall Pass/No Pass (15 clinical/wk) Provides the opportunity to apply, in a clinical setting, the didactic knowledge and skills developed in the classroom and lab. Serves as the first stage in assisting the student to become an employable EMS provider. Clinical skills addressed include patient assessment and evaluation, vital signs management, development of airway management skills, autopsy observation, development of communication skills, introduction to various skills necessary for patient care, and development of safety practices. Department: Health Occupations - COT</p>
<p>ECP 201 Paramedic Fundamentals. 3 Credits Term Typically Offered: Fall Prepares the paramedic student in the basic knowledge and skills needed in the pre-hospital environment. Topics covered include roles and responsibilities of the paramedic, medical legal considerations, communications, rescue and disaster operations, initial patient assessment and management, airway management and ventilation, pathophysiology of shock, and emergency pharmacology. Lecture Hours 3 Department: Health Occupations - COT</p>	<p>ECP 220 Special Considerations. 1 Credit Term Typically Offered: Spring Provides an opportunity to study and manage behavioral emergencies. Students are taught to recognize symptoms of abnormal behavior and responses. Students learn techniques to manage the suicide patient. Lecture Hours 1 Department: Health Occupations - COT</p>
<p>ECP 202 Paramedic Fundamentals Lab. 1 Credit Term Typically Offered: Fall Practices and gains the manipulative skills necessary to effectively manage the tasks in ECP 201. Lab Hours 2 Department: Health Occupations - COT</p>	<p>ECP 221 OB/Neonate/Pediatrics. 2 Credits Term Typically Offered: Spring Provides the student with the opportunity to participate in normal and abnormal obstetrical problems. Anatomy and physiology of the female reproductive system, assessment of the gynecologic patient, deliveries (normal, abnormal and complicated), routine care of the neonate, care of the distressed infant, neonatal emergencies, and neonatal transport are addressed. Lecture Hours 2 Department: Health Occupations - COT</p>

<p>ECP 222 OB/Neonate/Ped Lab, NRP, PALS. 1 Credit Term Typically Offered: Spring Practices and gains the manipulative skills necessary to effectively manage the tasks in ECP 221. Upon completion, the student receives provider certification in Neonatal Resuscitate Program (NRP) and Pediatric Advanced Life Support (PALS). Lab Hours 2 Department: Health Occupations - COT</p>	<p>ECP 250 NREMT Exam Preparation. 3 Credits Term Typically Offered: Summer Prepares the paramedic student for the national registry paramedic exam. It is a review of the core curriculum taught throughout 2nd and 3rd semester of the paramedic program. Lecture Hours 3 Department: Health Occupations - COT</p>
<p>ECP 230 Trauma. 2 Credits Term Typically Offered: Fall Provides an intense course in the pathophysiology and the management of trauma to include assessment of the trauma patient, management of head injuries, chest injuries, abdominal injuries, spinal injuries, orthopedic injuries, management of the multi-trauma patient, management of special airway problems, and current trends in trauma management. Lecture Hours 2 Department: Health Occupations - COT</p>	<p>ECP 251 NREMT Exam Prep Lab. 1 Credit Term Typically Offered: Summer Prepares the paramedic student for the national registry paramedic exam. It is a review of the psychomotor skills taught throughout 2nd and 3rd semester of the paramedic program. Lab Hours 2 Department: Health Occupations - COT</p>
<p>ECP 232 Pulmonary. 2 Credits Term Typically Offered: Fall Provides an in-depth study of the anatomy of the respiratory system, its relationship to the other systems of the body, the pathophysiology of diseases of the respiratory system, and treatment modalities of pulmonary disease. Topics included are anatomy of the respiratory system, measurements of pulmonary function, respiration and gas exchange, assessment of the respiratory system, pathophysiology and management of respiratory disorders, and principles and management of acute respiratory insufficiency. Lecture Hours 2 Department: Health Occupations - COT</p>	<p>ECP 291 Special Topics. 1-6 Credits Provides an opportunity for students to investigate intensively in an area of Paramedicine. Department: Health Occupations - COT</p> <p>ECP 294 Seminar/Workshop. 1-6 Credits Provides students an opportunity for experiential study on topics pertinent to the field of Paramedicine. Department: Health Occupations - COT</p>
<p>ECP 233 Trauma/Pulmonary Lab and PHTLS. 1 Credit Term Typically Offered: Fall Practices and gains the manipulative skills necessary to effectively manage the tasks in ECP 230 and ECP 232. Upon completion, the student receives provider certification in Pre-Hospital Trauma Life Support. Lab Hours 2 Department: Health Occupations - COT</p>	<p>ECP 295 Field Internship. 8 Credits Term Typically Offered: Summer Prerequisite(s): ECP 201, ECP 202, ECP 230, ECP 232, ECP 233, ECP 216, ECP 207, ECP 208, ECP 242, ECP 243, ECP 220, ECP 221, ECP 222, ECP 246. (24 clinical/wk) Provides the opportunity to apply in the clinical setting, the didactic knowledge and skills developed in the classroom and lab. It serves as the final stage in assisting the student to become an employable EMS provider. Cognitive, psychomotor, and effective evaluation skills addressed include patient assessment, history gathering, treatment prioritizing, diagnostic impression, protocol knowledge, radio communication, written documentation, airway management, fluid/drug management, cardiac management, trauma/medical management, attitude, professionalism, assertiveness, team leader qualities. Department: Health Occupations - COT</p>
<p>ECP 242 Medical. 2 Credits Term Typically Offered: Spring Provides an intense course in the pathophysiology and management of medical emergencies to include endocrine, nervous system, the acute abdomen, anaphylaxis, toxicology and substance abuse, infectious diseases, environmental, geriatric and pediatric emergencies. Lecture Hours 2 Department: Health Occupations - COT</p>	<p>ECP 312 Wilderness Medicine. 4 Credits Term Typically Offered: Spring Covers Wilderness Medicine and First Responder applications in wilderness settings. Issues addressed are short- and long-term patient care, backcountry rescue techniques, and survival skills. Training will include emergency care for environmental illnesses and injuries, using special equipment and techniques particular to non-urban rescuers, and managing transport, as well as other high-level emergency care skills. Participants who successfully complete the course and exam will receive Wilderness First Responder certification. (Due to course content and instructor and physical requirements, the class may not be held on the MSU Billings main campus.) Lecture Hours 4 Department: Health & Human Performance</p>
<p>ECP 243 Medical Lab. 1 Credit Term Typically Offered: Spring Practices and gains the manipulative skills necessary to effectively manage the tasks in ECP 242. Lab Hours 2 Department: Health Occupations - COT</p>	
<p>ECP 246 Hospital Clinical II. 6 Credits Term Typically Offered: Spring Pass/No Pass (18 clinical/wk) A continuation of the clinical skills initiated in ECP 216. Provides the opportunity to apply in the clinical setting, the didactic knowledge and skills developed in the classroom and lab. Serves as a final stage in assisting the student to become an employable EMS provider. Clinical skills addressed include electrocardiology, assessment and management of acute and chronic disease, pediatric advanced life support skills, obstetrical and neonatal care, and behavioral intervention techniques. Department: Health Occupations - COT</p>	