

# Central Jackson County Fire Protection District Paramedic Course Syllabus

**Course Director:** Megan Thurston

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**Course Meeting Times and Length:** One day a week 8:30 a.m. to 5:00 p.m., with repeating days to accommodate a shift schedule. Several additional weekday sessions are scheduled to accommodate certification programs. Overall length of program is 18 months.

## **Pre-Requisites:**

- Must be a high school graduate or have your GED
- Must be currently licensed as an EMT in any US State.
- Completion of the Entrance Exam with passing scores of 70% in the Math, Reading Comprehension and EMT knowledge.
- Must have the ability to pass background check and drug screen.
- Provided verification of required documentation. (Vaccinations, letters of recommendation, etc....)

## **Course Description:**

The Emergency Medical Technicians Paramedic course prepares the Paramedic student to provider prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include understanding of human anatomy and physiology, disease pathology, advanced airway management, pharmacology, IV therapy, cardiology and trauma care. In addition, student will receive certifications in ACLS, PALS, PHTLS, and AMLS.

Our program is instructed by a variety of pre-hospital providers, nurses and physicians with many years of clinical experience and expertise.

**Teaching-Learning Methods:** This course includes, assigned reading, presentations, discussion, on-line lessons and group discussions, critical thinking exercises, labs, and class activities.

Clinical education represents the most important component of EMS education since this is where the student learns to synthesize cognitive and psychomotor skills. To be effective, clinical education integrates and reinforces the didactic and skills laboratory components of the program. The ability to serve in the capacity of an entry level EMT or Paramedic requires experience with actual patients. The clinical component enables the student to build a database of patient experiences that serves to help in clinical decision-making and pattern recognition. The clinical education component of this program will take place in both the hospital and field environments.

## **Course Objectives**

At the completion of this program you should be able to:

1. Describe the roles of Paramedics in the health care system.
2. Demonstrate the professional attributes expected of Paramedics.
3. Perform the roles and responsibilities of a Paramedic with regards to personal safety and the safety of others.
4. Perform the duties of a Paramedic with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.
5. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.
6. Identify the need for and perform immediately life-saving interventions to manage a patient's airway, breathing, and circulation.
7. Assess and manage patients of all ages with a variety of complaints, medical conditions and traumatic injuries.
8. Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple casualty incidents, gaining access to and extricating patients, hazardous materials incidents, and responding to situations involving weapons of mass destruction.

## **Textbooks Provided:**

AAOS Nancy Caroline's Emergency Care in the Streets, 8th Edition  
Volume 1 and 2, Navigate Course Manger and web tools.  
AHA ACLS Manual  
AHA PALS Manual  
PHTLS Manual Current Edition  
AMLS Manual Current Edition

**Recommended Textbook:** Mosby's Nursing Drug Reference, Current Edition

## **Course Completion Requirements:**

Skill practices, computer review and testing are required for course completion.

For course completion and to sit for National Registry, students must complete both class and clinical requirements and maintain a minimum grade of 75%, pass the Fisdap test with a minimum of 70%.

## **Course Attendance Policy:**

Students must maintain regular attendance for all scheduled classes, including lab sessions. It is the student's responsibility to sign in on the attendance rooster.

Attendance requirements are defined by the Missouri Bureau of EMS regulations. The student is allowed a maximum of **FOUR** absences (32 hours) of the scheduled class didactic and lab hours. Absence from class does not relieve the student of the responsibility for completing all course work within the time limits defined on the course schedule. Instructors are not obligated to provide make-up sessions for students who have missed classes unless the student is able to render satisfactory explanation for the absence and the faculty member agrees to provide the session. Make-up work is the responsibility of the student and will not be considered in

determining attendance.

Students are expected to be punctual. Excessive tardiness will be reflected in the student's attendance record. Students arriving after the scheduled class time will be recorded as tardy. Five (5) tardy shall be recorded as one (1) class absence. If a student is tardy due to a late call from duty, the supervisor will need to notify the Program Director of the situation. Leaving class prior to the scheduled time will be recorded as tardy. Tardiness exceeding 2 hours will be recorded as a class absence.

### **Academic Dishonesty:**

Programs delivered under the auspices of the Central Jackson County Fire Protection District, operate on a basis of high academic integrity and honesty. It is the responsibility of each student to achieve his/her potential and successfully complete this program in an honest manner. **Any incident involving lying, cheating, theft, or falsification of records or documents will be grounds for dismissal.**

### **Course Grading and Grading Scale:**

The following is a breakdown of the grade average.

- **Clinical – 25%**
- **Exams – 25%**
- **In-class/online quizzes – 15%**
- **Homework/workbook – 10%**
- **Class participation – 20%**
- **Attendance – 5%**

Letter grade	Numeric grade
A	90-100
B	80-89
C	70-79
D	60-69
F	Below 60

### **Clinical Rotation Requirements: (Hospital and Ambulance)**

Emergency Department	180	(15 shifts)
ICU	36	(3 Shifts)
Labor and Delivery	12	(1 Shift)
Pediatric	16	(2 Shifts)
Psychiatric	16	(2 Shifts)
Cath Lab	8	(1 Shift)
Anesthesia	24	(2 shifts)
Respiratory	12	(1 Shift)
Field Experience	60	(5 Shifts)
Field Internship	300	(25 shifts)

Example of course schedule

<b>Central Jackson County Fire Protection District</b> <b>October 2021 Classroom, Paramedic Program</b> <b>Monday/Tuesday 0830-1700</b>			
Session Date	Topic	Instructor	Quizzes/Assignments
October 4/5 2021	Introductions/Orientation/Paperwork	Thurston/Egelston	
October 11/12	Lesson 1: Organization and General Plan of the Body Lesson 2: The Chemistry of Life	Egelston	A & P Unit
October 18/19	Lesson 3: Cells, Tissues, and Membranes Lesson 4: The Central and Peripheral Nervous Systems	Egelston	A & P Unit
October 25/26	Lesson 5: The Senses Lesson 6: The Urinary System and Acid-Base Balance	Egelston	A & P Unit
November 1/2	Lesson 7: The Endocrine System Lesson 8: The Cardiovascular System	Egelston	A & P Unit
November 8/9	Lesson 9: The Cardiovascular System: The Heart Lesson 10: The Digestive System and Metabolism	Egelston	A & P Unit
November 15/16	Lesson 11: The Immune System and Microbiology Lesson 12: The Integumentary and Musculoskeletal System	Egelston	A & P Unit
November 22/23	Lesson 13: The Respiratory System Lesson 14: Life Span Development	Egelston	A & P Unit
November 29/30	Lesson 15: EMS Systems, Roles, and Responsibilities Lesson 16: Culture of Safety and Crew Resource	Crawford	Introductory Unit
December 6/7	Lesson 17: Wellness and Injury Prevention Lesson 18: Public Health	Crawford	Introductory Unit
December 13/14	Lesson 19: Medicolegal and Ethical Issues Lesson 20: Introduction to Research: Fisdap Research 101 Course	Crawford	Introductory Unit
January 3/4	Lesson 21: Communications Lesson 22: Documentation	Crawford	Introductory Unit