

San Jacinto College Central Campus

EMT Program

Proposed Refresher and Transition Course Design and Content

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Abstract of Proposal: In order to facilitate the development of both a Paramedic Refresher and a Transition Course, this proposal was developed. The intent is to provide the Paramedic with the necessary CE content for National Registry of EMT's (NREMT), as well as a Transition Course as required by the NREMT, and to provide the Texas Paramedic with both one-half of their four year CE requirements, as well as a course structure that can serve to provide both the Texas Certified, and Licensed Paramedics, with updated education that might not otherwise be obtained. The course design was made with the intent of keeping Texas EMS on the cutting edge of service to the citizens and visitors to our great state.

Preparatory **Minimum Hours: 6**

Acceptable Content for this Category (Texas CE Content):

- EMS systems
- Roles and responsibilities
- Well-being of the medic
- Illness and injury prevention
- Medical/Legal issues
- Ethics
- General principles of pathophysiology
- Pharmacology
- Venous access
- Medication administration
- Therapeutic communication
- Life span development

Recommended Minimal Content for Transition:

- Research: Evidence-Based Decision Making in EMS
- Anatomy and Physiology –Cellular Environment and Metabolism
- Pathophysiology: Common Disease and Injury of the Body Systems
- Life Span Development
- Public Health

Airway Management and Ventilation

Minimum Hours: 6

Acceptable Content for this Category (Texas CE Content):

- **Airway Management and Ventilation**

Recommended Minimal Content for Transition:

- Improving Basic Ventilation Techniques
- Grading and Evaluating the Airway
- Improving Endotracheal Intubation Techniques
- Using New Technology Airway Devices (i.e. camera systems, SALT, etc)
- Using Supra-Glottic Devices
- Using Medication Assisted Intubation (MAI/PAI/RSI)
- End Tidal CO₂ Monitoring (Capnography)

Patient Assessment

Minimum Hours: 4

Acceptable Content for this Category (Texas CE Content):

- History taking
- Techniques of physical examination
- Patient assessment
- Clinical decision making
- Communications
- Documentation

Recommended Minimal Content for Transition:

- Critical Thinking Assessment (i.e. NO MORE COOKBOOK PARAMEDIC)
- Patient Monitoring Technology

Acceptable Content for this Category (Texas CE Content):

- Trauma sys & mechanism in injury
- Hemorrhage & shock
- Soft tissue trauma
- Burns
- Head & facial trauma
- Spinal trauma
- Thoracic trauma
- Abdominal trauma
- Musculoskeletal trauma

Recommended Minimal Content for Transition:

- Emphasis on the ‘Find It – Fix It’ concept for critical problems
- Emphasis that the “Golden Hour” has been redefined as the “Golden Period”
- Prehospital Ultrasound
- Serum Lactate in the Trauma Patient
- ETCO₂ use in the Trauma Patient
- Chest Decompression Technique (Axillary Approach vs. Anterior Approach)
- Head Injury Management
- Use of Tourniquets and Clotting Agents
- Standing Patient Spine Board Techniques

Acceptable Content for this Category (Texas CE Content):

- Pulmonary
- Cardiology
- Neurology
- Endocrinology
- Allergies and anaphylaxis
- Gastroenterology
- Renal/Urology
- Toxicology
- Hematology
- Environmental Conditions
- Infectious and communicable diseases
- Behavioral and psychiatric disorders
- Gynecology
- Obstetrics

Recommended Minimal Content for Transition:

- Use of ET/CO₂ for non-intubated patients (i.e. asthma, sedation, O.D.)
- Use of ET/CO₂ for cardiac arrest patients (i.e. ROSC, CPR Efficiency and Advanced Airway Confirmation/Monitoring)
- ACS Management (Update to 2010 AHA)
- Trends in CHF – Cardiogenic Pulmonary Edema Management
- Trends in Cardiac Arrest Management
- Trends in Pulmonary Patient Management
- Trends in Neurological Emergencies
 - Current Prehospital Stroke Management
- Endocrine Emergencies
- Infectious Disease
- Genito-Urinary Emergencies
- Behavioral Emergencies
- Ob/Gyn Emergencies

Acceptable Content for this Category (Texas CE Content):

- Neonatology
- Pediatrics
- Geriatrics
- Abuse and assault
- Patients with special challenges
- Acute interventions for the chronic care pt.

Recommended Minimal Content for Transition:

- Aging Populations in America (Baby Boomers)
- General Pathophysiology of Aging
- Recognition and Management of Geriatric Medical Emergencies
- Recognition and Management of Geriatric Trauma
- Legal Reporting Requirements of Abuse and Assault
- Technology Dependent Patients
- Patients with Vascular, and Urinary Catheters

Clinically Related Operations

Minimum Hours: 2

Acceptable Content for this Category (Texas CE Content):

- Ambulance operations
- Medical incident command
- Rescue awareness and operations
- Hazardous materials incidents
- Crime scene awareness

Recommended Minimal Content for Transition:

- Hazardous Materials Awareness
- WMD Awareness

Pediatrics

Minimum Hours: 6

Acceptable Content for this Category (Texas CE Content):

- Pediatrics

Recommended Minimal Content for Transition:

- Congenital Heart Anomalies in Pediatrics
- Improving Assessment Techniques for Pediatrics
- Managing Pediatric Airways
- Recognition and Management of Pediatric Cardio-Respiratory Arrest
- Recognition and Management of Pediatric Sepsis, and Hypoglycemia
- Assessment and Management of Pediatric Trauma Patients

Minimal Hours in Specific Content Areas: 54

Additional Hours in Any Category 18

**TOTAL MINIMUM HOURS FOR
REFRESHER/TRANSITION COURSE 72**
(Equals one-half of Texas four year CE requirements)