



TACTICAL EMERGENCY MEDICAL SUPPORT (TEMS)

COURSE OVERVIEW AND INSTRUCTIONAL GOALS

COURSE LENGTH: 32 Hours (4 Days)
16 Hours Classroom
16 Hours Practical

COURSE OVERVIEW

The course will incorporate lectures, practice, and scenario based training to provide emergency medical providers with the foundation principles, practices, and skills necessary for providing medical support to law enforcement operations. The emphasis will be on medical models and skills effective for supporting special operations teams during high-risk, large scale, and extended operations. The concepts and skills taught in this course are also relevant to all law enforcement operations.

INSTRUCTIONAL GOALS

Upon completion of this course the attendee will be familiar with:

1. The mission driven character of law enforcement operations and discuss how supporting law enforcement operations differs from regular EMS operations.
2. Providing emergency medical providers with the skills needed to effectively reduce the probability of potentially preventable injury, death and disability during law enforcement operations.
3. Various approaches to further mission success by maintaining team health and wellness and preventing performance decrement associated with short cycle and extended missions.
4. Methods and strategies useful to provide medical training for all police officers engaged in patrol and other law enforcement operations.



TACTICAL EMERGENCY MEDICAL SUPPORT (TEMS) DAY TO DAY / HOUR TO HOUR AGENDA

DAY 1

Hours:	Instruction:
0800-0830	Registration / Introductions/Safety Brief (D)
0830-0900	History, Justification and Team Start Up (D)
0900-0915	Break
0915-0945	TECC Methodologies (D)
0945-1015	Critical Interventions - Part I (D)
1015-1030	Break
1030-1100	Critical Interventions - Part II (D)
1100-1130	Patient Assessment (D)
1130-1230	Lunch (on your own)
1230-1300	Tourniquet Drill Overview (D)
1300-1330	Tourniquet Drill Practice (S)
1330-1545	Skills Stations (45 min rotations) (S) <ul style="list-style-type: none">• Station 1: Patient Assessment/TQ Optimization/Wound Packing/Pelvic Binders• Station 2: Airway & Chest Interventions/Tools/Basic BVM w-adjuncts
1545-1600	Break
1600-1645	Blast Trauma (D)
1645-1655	Day in Review-Logistics for Day 2 and Online Testing Instructions
1655-1700	Squad Leader back brief to Instructors

DAY 2

Hours:	Instruction:
0800-0805	Roll Call / Questions (D)
0805-0845	Medical Mission Planning/ MTA Practical Briefing (D)
0845-0915	Triage and Casualty Collection Points (D)
0915-0930	Break
0930-1000	Team Wellness and Human Performance (D)
1000-1030	Considerations for Extended Operations (D)
1030-1100	Asymmetrical Rescue (D)
1100-1130	Legal Considerations in TEMS (D)
1130-1230	Lunch (on your own)



1230-1305	Tactical Considerations for the TEMS Provider (D)
1305-1315	Tactical Medic Team Leader Interface (D)
1315-1345	Excited Delirium
1345-1400	Safety Checks
1400-1600	Skill Stations (40 minute rotations) <ul style="list-style-type: none">• Station 1: Drags, Carries and Assists (Extraction Devices)• Station 2: Remote Assessment/Triage/CCP Considerations• Station 3: Zone of Resuscitation/Critical Interventions
1600-1615	Break (mandatory hydration)
1615-1645	Case Reviews
1645-1655	Day in Review – Logistics for Day 3
1655-1700	Squad Leader back brief to Instructors

DAY 3

Hours:

Instruction:

0800-0805	Roll Call/Questions
0805-0845	Ortho Assessment and TX of the Tactical Athlete (D)
0845-0915	Civil Disturbances and Less Lethal Considerations (D)
0915-0930	Break – Mandatory Hydration
0930-0945	Safety Checks
0945-1230	Skill Stations - Medicine by Mission (S) 45 Minute Rotations) <ul style="list-style-type: none">• Station 1: Active Shooter/Asymmetrical Rescue• Station 2: Open Area Rescue/APC Load outs• Station 3: High Risk Warrant Service/Immediate Action Drills
1230-1330	Lunch (on your own)
1330-1345	Safety Checks (mandatory hydration)
1345-1600	Skills Stations (S) - Putting it all Together (45 Minute Rotations) <ul style="list-style-type: none">• Station 1: Active Shooter/Asymmetrical Rescue• Station 2: Open Area Rescue/APC Load outs• Station 3: High Risk Warrant Service/Immediate Action Drills
1600-1645	Mission Planning Practical Exercise
1645-1655	Day in Review – Logistics Day 4
1655-1700	Squad Leader Brief Back to Cadre



DAY 4

Hours:

0800-0805

Instruction:

Roll Call / Questions

0805-0900

Online Test Review **(D)**

0900-0945

Individual Skill/Decision Making Assessments **(S)**

0945-1000

Equipment Inventory and Issue – Mandatory Hydration

1000-1015

Safety Checks/Inspection of Training Environments

1015-1130

Final Teaching Stations **(S)**

Rotation 1 (45 Minute Rotation)

- Station 1: Active Shooter
- Station 2: Open Area Rescue
- Station 3: High Risk Warrant Service

1130-1230

Lunch (on your own)

1230-1245

Safety Checks/Inspection of Training Area/Mandatory Hydration

1245-1445

Final Teaching Stations **(S)**

Rotation 2 (60 Minute Rotation)

- Station 1: Active Shooter
- Station 2: Open Area Rescue
- Station 3: High Risk Warrant Service

1445-1500

Break/Mandatory Hydration

1500-1600

Final Teaching Stations **(S)**

Rotation 3 (60 Minute Rotation)

- Station 1: Active Shooter
- Station 2: Open Area Rescue
- Station 3: High Risk Warrant Service

1600-1630

Personnel/Team Equipment Accountability and turn in

1630-1645

Course Summation and Debrief

1645-1700

Evaluations and Graduation



TACTICAL EMERGENCY MEDICAL SUPPORT (TEMS) COURSE OUTLINE

- I. Preface
 - A. Course Overview
 - B. Instructional Goals
 - C. Agenda
 - D. Outline
 - E. Co-host Logistics
 - F. Student Equipment List
 - G. Instructor Manuals
 - H. NTOA Logistics
 - I. Student Notebook

- II. History, Justification and Team Start up
 - A. Timeline of Evolution
 - B. Established Standard of Care
 - C. Justification for Start Up
 - D. Case Law impacting TEMS
 - E. Scope of Practice
 - F. Team Composition
 - G. Sustainment

- III. TECC History and Methodologies
 - A. Evolution of Military Trauma Management
 - B. Emerging Threats and Events
 - C. Paradigm shift in priorities of care
 - D. Tactical Emergency Casualty Care (TECC)
 - E. Threat Based Guidelines
 - F. Cognitive Thinking
 - G. Casualties / Mission Merger

- IV. Patient Assessment
 - A. Evidence Based Priorities
 - B. Provider, Patient and Team Safety
 - C. MARCH vs. BATH
 - D. Systematic Assessment with Interventions
 - E. Focused Re-assessment



- V. Patient Assessment Practice
 - A. Skill Stations

- VI. Critical Interventions
 - A. Evidence Based Interventions
 - B. Emerging Concepts in Trauma
 - C. Underlying Physiology
 - D. Lethal Triad
 - E. Modality Optimization
 - F. Evaluating Interventions

- VII. Critical Interventions Practice
 - A. Skill Stations

- VIII. Blast Trauma
 - A. Mechanism of Injury
 - B. Evidence Based Priorities
 - C. Casualty Patterns
 - D. Blast Nomenclature
 - E. Specific System Insult
 - F. Treatment Modalities

- IX. Medical Mission Plan and Threat Assessment (MTA)
 - A. Medical Intelligence
 - B. Merger of Missions
 - C. Operational Phases
 - D. MTA Considerations
 - E. Standardized Templates
 - F. Operational Security
 - G. Team Briefing

- X. Human Performance
 - A. Effects of Fatigue on Performance
 - B. Survival Stress Recognition
 - C. Stress Reactions
 - D. Understanding Mental Stalls
 - E. Sleep Deprivation
 - F. Sick Call Considerations
 - G. Countermeasures

- XI. Care of the Working Canine
 - A. Types of Working Dogs
 - B. Handler Interaction
 - C. Common Injuries / Illnesses
 - D. Critical Interventions
 - E. Equipment Selection
 - F. Medication Dosing



- G. Global Resources

- XII. Asymmetric Rescue
 - A. Historical Perspective
 - B. Lessons Learned
 - C. Threats by Mission
 - D. Tool Considerations
 - E. Horizontal and Vertical Extraction

- XIII. Triage and CCP Practice
 - A. Skill Stations

- XIV. Excited Delirium (ExDS)
 - A. Define ExDS
 - B. Case Studies
 - C. Typical Presentation
 - D. Period of Peril
 - E. Best Practices

- XV. Tactics 101
 - A. Mission Driven Tactics
 - B. Safety Priorities
 - C. Deployment Considerations
 - D. Team Leader / Medic Interface
 - E. Casualty Collection Points
 - F. Rescue Task Force (RTF) vs TEMS

- XVI. Orthopedic Assessment of Tactical Athlete
 - A. Common Injuries
 - B. Underlying Anatomy / Physiology
 - C. Equipment Recommendations
 - D. Treatment Considerations
 - E. Determining Operational Status

- XVII. Civil Disturbance and Less Lethal Consideration
 - A. TEMS Role
 - B. Unique Threats and Environment
 - C. Safety Equipment
 - D. Medical Intelligence
 - E. Less Lethal Options
 - F. Mechanism of Injury
 - G. Medical Interventions

- XVIII. Putting the Pieces Together
 - A. Skill Stations

- XIX. Mission Planning Practical
 - A. Class Exercise



- XX. Student Evaluations
 - A. Written Test
 - B. Individual Skills Assessment

- XXI. Scenario Execution by Mission
 - A. Class Exercise



TACTICAL EMERGENCY MEDICAL SUPPORT (TEMS) CO-HOST LOGISTIC REQUIREMENTS

CLASSROOM

- Adequate seating for up to 34 students with tables, good ventilation
- Marker board and markers
- Flip chart with paper
- Breakout areas with table for four skill stations
- Self-Sticking Large Easel Pad

AUDIO VISUAL

- LCD Projector for computer presentation
- Large projection screen (minimum of 6'x6' screen size)
- Speaker system to connect to laptop for audio
- Extension cord and power strip
- AV table or cart

OTHER

Open Area / Outdoor Training – Day #3 and #4

- Combination Indoor / Outdoor training facility to conduct open area rescues / tactical movement. Site should be able to accommodate four simultaneous scenarios at once.
- Training facility should have identified safe area for Simunition® storage and loading
- If training environment has potential for criminal element, provide site security for students and equipment during duration of practical exercises.
- Hand Washing stations with antimicrobial soap and towels
- Water Cooler or adequate bottled water for students to intake 1qt per hour during practical evolutions

Medical Simulation Equipment – Day #1 and #4

- Two chest decompression mannequins
- Two intubation airway mannequin's with silicone spray
- Two Wound Simulation Devices
- Training Medical Equipment for mannequins, (ET tubes etc.)
- Sharps Container



Simulation Equipment – Day #3 and Day #4

Medical Threat Assessment for all sites
Rescue or Armored vehicle
Emergency vehicle with operational siren and emergency warning lights
K-9 (Day #3 only) to demonstrate / discuss handling and treatment if injured
Ballistic shields
Tactical blanket
Non-firing weapons (red or blue guns)
Multi frequency hand held radios with training net and charger
One roll 2" brightly colored "survey" tape
Disposable blankets
Advanced Life Support Equipment to include an AED for on-site medical emergencies
Site clean-up equipment; brooms, trash bags, trash cans, spray cleaning solution
"Law Enforcement Training in Progress" signs if site is in / or / near public area (if required)
Fluorescent vests for instructors and observers

Scenario Equipment Day #4

Simunition® / Airsoft or Paintball Weapon Systems (One lane only)
Safety equipment (eye / face protection, helmets, neck, groin protectors, etc.)
Eight to infinity role players
Two Rescue Randy Mannequins
Disposable Uniforms for "role players"
Assorted "expired" bandages, medication and IV catheters / fluid with tubing
Moulage kit and technician
Smoke generator
Portable strobe lights
CD Player for Sound Effect



TACTICAL EMERGENCY MEDICAL SUPPORT (TEMS) STUDENT EQUIPMENT LIST

INDIVIDUAL

- Assigned tactical Equipment
- Utility uniform
- Boots
- Tactical gloves
- Knee pads
- Eye / hearing protection
- Flashlight or headlamp
- Weather gear (rain gear / cold weather clothing)
- Energy bars
- Hydration system
- Sunscreen
- Insect repellent
- *Ballistic armor level III
- *Tactical helmet
- *Training handgun
- *Safety equipment for Simunition®

*We understand that not all class participants will have ready access to all recommended equipment. While it is best to train in your own equipment as you would deploy, some equipment may be available at the training site. Please contact course coordinator in advance to ensure equipment availability.

You will be issued an individual first aid kit to be used for the duration of the training.