



FP-C Prep Class Approval Guidelines

All candidates renewing their FP-C are required to have a minimum of 16 hours of CE from an approved FP-C prep class. These classes are provided currently by Clinical Analysis Management, however the BCCTPC will accept CEs from other sources. i.e. hospitals, universities or colleges teaching their own in house course.

The outline below is a sample of an approved course outline. The BCCTPC does not dictate the specific categories or hours to a given subject matter. The content and hours should instead cover a broad subject matter of critical care in the transport environment.

Organization applying to be an approved “prep course provider” should submit the following information to the BCCTPC Board for approval:

- Name of organization, location of course
- Application letter from program director or management that outlines why they should be approved to teach this course
- Content outline
- Letter of support from the medical director
- Copy of medical directors resume
- List all faculty for the class and include a copy of their resume’s
- Proposed dates

FP-C EXAM OUTLINE OF MAJOR SUBJECTS

Safety Issues

- **Part 135 safety issues**
- **Flight stress**
- **Aircraft Operations- fixed and rotary wing**
- **Crash safety**
- **Survival issues**
- **Proper safety gear**

CAMTS: All candidates should be familiar with all CAMTS policies such as:

- Flight following standards.
- Proper flight crew uniforms and protective equipment.
- Minimum crew training and staffing standards.

Airway

- Rapid Sequence Induction inclusive of standard medications.
- Intubation and other airway procedures.
- Surgical cricothyroidotomy, Needle cricothyroidotomy
- Airway medications and their uses, limitations, and contraindications.

Acid-Base balance

- Regulation of acid-base balance
- Acid-base derangements

OB/GYN

- Fetal circulation
- Maternal complications such as Pregnancy Induced Hypertension.
- Delivery Complications
- Maternal Medications

Trauma

- Administration of blood products
- Fluid replacement
- Injury Dynamics and Predictable Patterns
- Define Newton's 1st law.
- Predictable patterns of injury due to mechanisms.
- Many questions are scenario based with multiple stem questions.

Respiratory

- Critical levels of arterial blood gases
- Ventilator settings and parameters
- Equipment, uses and troubleshooting
- Managing the rapidly deteriorating patient condition.

Thoracic

- Signs and symptoms of early versus late cardiac tamponade.
- Procedures pertaining to thoracic injuries.
- Needle thoracentesis, pericardiocentesis, thoracostomy tube placement, etc.
- Treatment and signs and symptoms of cardiac tamponade, tension pneumothorax, hemothorax, etc.

Neuro

- Treatment and recognition of elevated intracranial pressure, cerebral bleeds, etc.
- Neuroprotective agents, vasoactive agents, loop diuretics, etc. and their uses, limitations, and contraindications.
- Differentiation of signs and symptoms of different head injuries, ICP, cerebral perfusion pressures.
- Mechanism of Injury and head injury dynamics.

Cardiac

- Knowledge of cardiovascular disease and cardiac anomalies.
- 12 lead EKG's
- Cardiac Anatomy/Physiology
- Cardiac Pharmacology
- Thrombolytic therapy
- A basic understanding of intra-aortic balloon pump (IABP) mechanics and troubleshooting/contraindications.
- Basic hemodynamic monitoring
- Arterial lines and air transport
- Pacing, synchronized cardioversion, defibrillation, and drugs

Pediatric and Neonatal

- Pediatric and Neonatal resuscitation
- Physiological differences
- Pharmacology
- Pediatric assessment
- Respiratory and Airway differences
- Common Injuries
- Anatomical differences
- Pediatric psychosocial issues
- Non-accidental trauma
- Orthopedic injuries
- Isolette use

Flight Physiology

- Knowledge of the gas laws and their effect on patients

Stress

- Recognizing substance abuse and related issues
- Coping with death and dying
- Interpersonal relationships
- Equipment failures