

**ADVANCED FIRST AID**
**PHOTO ID REQUIRED**

Article 3 of the **Coal Mine Safety Laws of Virginia** establishes requirements for certification of coal mine workers. The certification requirements are included in §45.2-515. through §45.2-534. in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

**CERTIFICATION CLASSIFICATION: *Advanced First Aid***

This certification authorizes the holder to meet standards for emergency care in the coal mining industry required by §45.2-863..

**APPLICATION/EXPERIENCE REQUIREMENTS:**

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
  - **Note:** Classes are limited to 20 people and tend to fill quickly. Application fees are due no later than 5 working days prior to the examination, but this will not guarantee that an opening will be available.
- 24 hour Advanced First Aid course taught by an Advanced First Aid Instructor **(class must be completed and paperwork submitted prior to taking an exam)**
- Hold a General Miner Certification - Surface or Underground

**NOTE: TRANSFER OF EMT/FIRST RESPONDER CERTIFICATION TO ADVANCED FIRST AID MAY BE ACCOMPLISHED BY:**

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
- Provide verification of valid EMT/First Responder certification issued by EMS-VA
- Attend 8 hours Advanced First Aid Reciprocity Training Course conducted by a DM certified Advanced First Aid Instructor
- Hold a General Miner Certification - Surface or Underground

**EXAMINATION REQUIREMENTS:** The examination for certification in Advanced First Aid requires a passing score of 80% on the written sections of the examination.

**NOTE: If exam is taken three (3) times without a passing score or if certification is revoked due to not completing the continuing education requirements, the applicant must retake the 24 hour Advanced First Aid course.**

| <b>ELEMENTS OF EXAM</b>   | <b>NUMBER OF QUESTIONS</b> |
|---|----------------------------|
| <b>Section 1</b> (F1)   | 20                         |
| <ul style="list-style-type: none"> <li>▪ Respiratory Emergencies, Respiratory System and Heart Attacks</li> <li>▪ Legal Considerations, Disease Transmission and Emergency Scenes</li> <li>▪ Resuscitation Masks/ORO Airways, Wounds and Burns</li> </ul> |                            |

**Section 2 (F2)**

20

**Circulatory System**

- Control of Bleeding – Recognition and Treatment (External and Internal)
- Shock – Recognition and Treatment

**Section 3 (F3)**

20

**Musculoskeletal System**

- Abdominal Injuries
- Chest Injuries
- Dislocations
- Face & Throat Injuries
- Fractures
- Head Injuries
- Lower & Upper Extremities Injuries
- Pelvic Injuries
- Spinal Injuries
- Sprains
- Transporting Patients

**Section 4 (F4)**

20

**Accidental Poisonings****Substance Abuse****Patient Assessment****Environmental Emergencies**

- Cold and Heat Emergencies
- Stings & Bites

**Emergency Rescue**

- Electrical Circuits
- Hazardous Materials
- Irrespirable Atmosphere
- Machinery Entrapment
- Roof & Rib Entrapment

**Sudden Illness**

- Diabetes – Hypoglycemia and Hyperglycemia
- Epilepsy and Seizures
- Stroke (F.A.S.T) – Recognition and Treatment
- Substance Abuse
- Anaphylaxis and Allergic Reactions

**NOTE: Each student must successfully complete:**

- Course in Cardiopulmonary Resuscitation (CPR) i.e., heart saver or other four-hour equivalent
- Practical examinations which includes forearm, lower leg, backboard

**RECOMMENDED REFERENCE/STUDY MATERIALS:**

- BCME Requirements (No Charge)

The above mentioned study materials are available at the Virginia Energy's Big Stone Gap Office, 276-523-8100.

\*4 hours Advanced First Aid continuing education annually will update this certification.

\*Contact Mountain Empire Community College (MECC) 276-523-2400 for class information.

**NOTE: A current EMT or First Responder Card issued by Virginia Emergency Medical Services (EMS) may be submitted in lieu of Advanced First Aid continuing education.**