



## Butler Tech Emergency Medical Technician Essential Skills Profile

This profile provides an outline of the skills required for the successful completion of this career program. Additional information is located on the Butler Tech website at: <https://www.butlertech.org/high-school/> and selecting the corresponding career program.

Students are eligible to participate in this pathway but will need to complete a background check to be added to the state certification roster for Ohio Emergency Medical Services.

### **Recommended WorkKeys® Scores for Emergency Medical Technician**

Applied Mathematics - 4	Graphic Literacy - 5
Workplace Documents - 4	

\*Practice tests and more information at: [www.act.org/workkeys](http://www.act.org/workkeys)

### **Skills**

Active Listening	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Monitoring	Monitoring / Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Coordination	Adjusting actions in relation to others' actions.

### **Abilities Required**

Problem Sensitivity	The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
Static Strength	The ability to exert maximum muscle force to lift, push, pull, or carry objects.
Multilimb Coordination	The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.

### Knowledge Required in EMT & Beyond

Customer and Personal Service	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
Public Safety and Security	Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.
Building and Construction	Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.

## Emergency Medical Technician Activities

- **Patient Assessment** – Quickly evaluate a patient’s condition, including vital signs, mental status, and physical injuries.
- **Airway Management** – Use of airway adjuncts (OPA, NPA), suctioning, and oxygen administration.
- **CPR and BLS (Basic Life Support)** – Perform high-quality CPR and use an AED effectively.
- **Hemorrhage Control** – Apply direct pressure, tourniquets, and hemostatic dressings.
- **Splinting and Immobilization** – Use of backboards, KEDs, traction splints, and other devices for spinal and extremity injuries.
- **Medication Administration** – Properly deliver medications such as epinephrine, naloxone, and glucose (as per local protocols).
- **Lifting and Moving Patients** – Proper body mechanics for lifting stretchers and moving patients safely.
- **Radio Communication** – Provide clear, concise reports to dispatch and receiving hospitals.
- **Emergency Vehicle Operation** – Drive an ambulance safely under emergency and non-emergency conditions (if certified).
- **Triage Skills** – Prioritize patients in multi-casualty incidents using systems like START triage.
- **Shock Management** – Recognize and treat different types of shock (hypovolemic, cardiogenic, anaphylactic, etc.).
- **Childbirth Assistance** – Assist with emergency childbirth and neonatal resuscitation when necessary.
- **Burn Management** – Assess and treat burns based on severity and type (thermal, chemical, electrical).
- **Cardiac Monitoring (Basic)** – Recognize life-threatening cardiac rhythms and assist with defibrillation if allowed by protocol.
- **IV Setup and Assistance** – Prepare IV equipment for paramedics or advanced providers.
- **Glucose Monitoring** – Use glucometers to check blood sugar levels in diabetic emergencies.
- **Stroke Assessment** – Use FAST or other stroke scales to identify possible strokes.
- **Environmental Emergencies** – Recognize and treat heatstroke, hypothermia, drowning, and toxic exposures.
- **Mass Casualty Incident (MCI) Response** – Operate within the Incident Command System (ICS) and perform rapid triage.
- **Hazardous Materials Awareness** – Identify potential hazardous material situations and operate within safety guidelines.

### Technology

Word Processing software	Spreadsheet Software
Project Management software	Office Suite software
Database user interface and query software	

### Personality

Realistic: People interested in this work like activities that include practical, hands-on problems and solutions. They do well at jobs that need:	
Dependability	Self-Control
Integrity	Independence
Attention to Detail	Cooperation

### Available Certifications

State of Ohio and National Registry of Emergency Medical Technicians (EMT) (12 Points)	CPR/First Aid Certification (1 Point)
State of Ohio Professional Firefighter I (12 Points)	State of Ohio Professional Firefighter II (12 Points)

### Possible College Credits

College Credit Plus in English, Math, Social Studies, or Science	Must be preapproved. Must pass a college course at an Ohio college or College Credit Plus class at Butler Tech.
Career Technical Credit Transfer	<p>The Ohio Transfer to Degree Guarantee helps career and technical students transfer credits earned in high school to community college or four-year degree programs. The credit can be</p> <ul style="list-style-type: none"><li>used at any Ohio public college or university:</li><li>• If you successfully completed your career technical program and passed certain required assessments.</li><li>• If you attend a similar program at a public Ohio college or university.</li></ul> <p>For more information, go to <a href="http://www.transfercredit.ohio.gov">www.transfercredit.ohio.gov</a></p>
Articulated Credit	Butler Tech has agreements with certain colleges; if you attend one of those colleges, you can get credit toward a specific degree.

\*Additional college or post-secondary education may be required in this field

### Possible Career Pathways

Firefighter/EMT	Fire Safety Inspector
Paramedic	Fire Officer