



**OTC's Allied Health Simulation Center** is a virtual medical facility which includes six patient rooms; an Intensive Care Unit (ICU) /emergency room, a birthing suite, two medical-surgical rooms, a residential suite, and a patient clinic room. Each of the suites can be altered to portray a variety of environments. We also have the ability to perform simulation events off site. Through wireless technology we can take the simulation event outdoors, inside a vehicle, or to another OTC location or community facility.

Simulations allow the learner to experience true to life situations they may encounter in their professional career. We have 13 high-fidelity manikins which portray patients.

- Six adults simulators
- One birthing mom simulator
- Two seven-year old child simulators
- Two six-month old infant simulators
- One neonate simulator

These manikins help the students practice a wide range of skills, from checking basic vital signs to life saving measures. In addition, we have live actors who portray patients or family members in scenarios, allowing the students to learn and practice the interpersonal communication aspect of healthcare.

*OTC Allied Health*

# Simulation Center

OTC Springfield Campus • Lincoln Hall Suite 200



**OZARKS TECHNICAL  
COMMUNITY COLLEGE**

1001 E. Chestnut Expressway  
Springfield, MO 65802  
417-447-7500 otc.edu

**OZARKS TECHNICAL  
COMMUNITY COLLEGE**

## What is the benefit of simulation?

Simulation provides a realistic and safe learning environment where classroom learning comes to life through high-fidelity human patient simulators that can speak, sweat, receive shots and IVs, and offer both normal and abnormal lung, heart and bowel sounds.

Due to technological advances, real tasks can be accurately simulated, allowing the student or healthcare professional an opportunity to learn from hands-on experience without putting actual patients at risk. Likewise, the instructor is afforded a clear picture of the student's ability levels.



*Nursing Scenario - Patient Care*

In the simulation setting, we reproduce real life patient experiences that students may not otherwise see in a clinical environment. Students gain confidence in their abilities and their critical thinking skills are sharpened. This translates into better-prepared health care professionals.

## Who do we serve?

The Simulation Center provides clinical experiences for nearly 800 OTC students enrolled in Allied Health programs. In addition, the Simulation Center serves the community through collaborative efforts with:

- Cox Health
- Missouri National Guard
- Springfield Army Reserve Medical Unit
- Springfield Fire Department
- Local law enforcement
- Local school nurses
- Other local agencies

The OTC Sim Center is dedicated to training healthcare professionals and promoting Allied Health careers.



*MO National Guard  
Trauma Scenario*



*Springfield Fire  
Department  
Extrication Training*



*CPR Certification*

## CPR Certification

The Simulation Center is able to host CPR Certification classes for students and community members.

According to the American Heart Association (AHA), High-quality CPR is the primary component in influencing survival from cardiac arrest.

The Simulation Center has six adult and four infant Q CPR manikins which come equipped with software that provides feedback in the five key components of high-quality CPR:

- Minimize interruptions in chest compressions
- Provide compressions of adequate depth
- Ensure compressions are fast enough
- Avoid leaning between compressions
- Avoid excessive ventilation