

## BACHELOR OF SCIENCE

# PARAMEDICINE



Our B.S. in Paramedicine program prepares students to be essential components of the continuum of care by providing excellent pre-hospital and community-based healthcare. We designed the program for graduating high school seniors, military veterans, and anyone else who is up for the rigorous academic and mental challenges involved in becoming a paramedic.

In the course of four years, the student will become a nationally certified emergency medical technician, complete the core curriculum classes necessary for the B.S. degree, and become thoroughly immersed in the paramedicine sciences. Lectures are followed by laboratory experiences that include life-sized, high-fidelity computerized mannequins that can be programmed to provide realistic patient responses and outcomes to students. Laboratory time is reinforced with more than 700 hours of clinical experience at Hartford Healthcare campuses. The program culminates in the senior year with an extensive capstone field internship that requires students to perform in leadership roles while providing actual patient care, followed by national certification testing as a paramedic.

## Why Paramedicine?

Paramedics have fulfilled prescribed requirements to practice out-of-hospital medicine in conjunction with medical direction. In performing assessments and providing medical care, their goal is to prevent and reduce mortality and morbidity resulting from illness and injury. Paramedics primarily provide care to emergency patients in an out-of-hospital setting.

## Did you know?

### EMPLOYMENT DEMAND:

Expected to grow by more than **15%** by 2026

### EMPLOYMENT SETTINGS:

Hospitals, fire departments, private and municipal ambulances, medical helicopters, and private industry work sites

### AVERAGE SALARY:

**\$50,000–\$60,000** per year

### BOARD PASSAGE RATE:

**100%** NREMT passage on first attempt\*

*\* Numbers based on the 2018 cohort*

## Paramedicine at the University of New Haven

The University of New Haven is in a unique position with regard to the preparation of the future healthcare workforce. A college-level degree in paramedicine is on the leading edge of healthcare and can address the anticipated demand for pre-hospital care workers as the average age of the U.S. population increases. Currently, about 16 percent of the U.S. population is 65 or older, and this is expected to reach 21 percent by 2050. This means that the employment of paramedics is expected to grow by 15 percent by 2026, much faster than the average for all occupations. Employers will require a highly educated workforce to survive in an outcome-based healthcare system. The new workforce will require the critical thinking skills necessary for innovation and creativity.



## Curriculum

We offer our students a learning environment filled with problem-solving, critical thinking, and systems thinking to ensure a strong base on which to build. Our emphasis on anatomy, physiology, and pathophysiology provides students with the tools necessary to address basic and advanced pre-hospital medicine, both today and in the future. Our programs exceed all Department of Transportation National Highway Traffic Safety Administration National Standard Curriculum and National Education Standard objectives and include optional skills adopted by many states. We practice evidence-driven medical practice and education.

### FEATURED COURSES

- Emergency Medical Technician I & II
- Pharmacology for Emergency Medical Services
- Pre-hospital Trauma Care
- Medical and Geriatric Emergency Medical Services
- Obstetric and Gynecological Emergencies for Paramedics
- Pediatric Emergencies for Paramedics

## Paramedicine Facilities

The Paramedicine program is supported by the resources of Hartford HealthCare. Hartford Hospital was founded in 1854. It is the major teaching hospital affiliated with the University of CT Medical School, serving the New England region. Hartford Hospital, the region's first Level 1 Trauma Center, performed the first successful heart transplant in the state, and operates the state's first air ambulance system, LIFE STAR.

Hartford HealthCare Locations and Partners:

- Backus Hospital
- Charlotte Hungerford Hospital
- The Hospital of Central Connecticut
- MidState Medical Center
- St. Vincent's Medical Center
- Windham Hospital

## One Care Lane

Students participate in lectures and simulation labs at our new facility at One Care Lane. This facility comprises a dedicated classroom as well as four simulation rooms that feature high-fidelity mannequins, all designed to train pre-hospital care providers.

## Experiences and Careers

Our students go on to work in exciting careers with public and private employers, including these:

- Fire Departments:
  - East Hartford, Conn.
  - East Haven, Conn.
  - Foxborough, Mass.
  - Guilford, Conn.
  - New York City, NY (FDNY)
  - West Haven, Conn.
  - Westfield, Mass.
- American Medical Response
- Nelson / Access Ambulance
- New York-Presbyterian Hospital
- Saint Clare's Denville Hospital EMS, Concord, NH



“Our program is designed for the graduating high school senior, military veteran, or any person seeking the rigorous academic and mental challenge of becoming a paramedic. Over four years, the student will become a nationally certified Emergency Medical Technician (EMT), complete core curriculum classes for a B.S. degree, and become immersed in the science of paramedicine.”

### JOSEPH SOTO, M.S., NREMT, EMS-I

Lecturer and Director, Paramedicine Program

M.S. in Emergency Management • University of New Haven  
B.S. in Public Health Management • Northeastern University  
A.S. in Paramedicine • Northeastern University



# UNIVERSITY OF NEW HAVEN

POWER  
ON

## Degree Options and Dual Degree Programs

### **B.S. in Paramedicine with Fire Science Minor**

Students who wish to pursue a career in the fire service as a firefighter/paramedic can take fire science courses in addition to their paramedicine courses, achieving a minor in fire science from the University of New Haven, a nationally known university for fire sciences.

### **Online Paramedicine B.S. Completion Program**

Our degree completion program allows certified paramedics an opportunity to earn a B.S. in Paramedicine. Students entering the program must be certified as paramedics through the National Registry of Emergency Medical Technicians (NREMT). This program can be completed in two years with full-time study or approximately four years part-time.

### **B.S. in Paramedicine/Master of Healthcare Administration**

Upon completion of the B.S. in Paramedicine, students extend their studies for an additional year in the Master of Healthcare Administration. This unique program prepares students to navigate and manage all components of the healthcare system, with a special understanding of how to leverage pre-hospital care to design the healthcare systems of the future.

### **B.S. in Paramedicine/M.S. in Emergency Management**

Upon completion of the B.S. in Paramedicine, students extend their studies for an additional year in the M.S. in Emergency Management. This unique program prepares students to navigate and manage all aspects of the emergency management cycle, including preparedness, response, recovery, and prevention from a strong pre-hospital perspective.



To learn more, scan the QR code or visit:  
[newhaven.edu/paramedicine](https://newhaven.edu/paramedicine)

**For more information or  
to arrange a visit, contact**

**Office of Undergraduate Admissions**

☎ 203.932.7319

✉ [admissions@newhaven.edu](mailto:admissions@newhaven.edu)

🖱 [newhaven.edu](https://newhaven.edu)



The University of New Haven has been recognized as one of **The 389 Best Colleges** in the country by **The Princeton Review**.