Echo Hose Satellite Paramedic Program

Yale New Haven Health EMS Education Paramedic Program

The Yale New Haven Health EMS Education paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

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To Yale New Haven Health EMS Education Prospective Paramedic students:

Please read the following carefully. Below is a description of the paramedic profession and information about the Yale New Haven Health EMS Education paramedic program along with the requirements for successful completion and costs of the program. If you have questions, please do not hesitate to communicate with us. Email is the quickest route of contact, and we can be reached through www.ynhh.org/cems. You are welcome to view the student handbook and our facilities during business hours at 77-D Willow Street in New Haven, 06511. We look forward to meeting you.

History of the Paramedic Profession

In 1966, the National Academy of Science and the American Medical Association described an appalling picture of emergency care in the United States and gave critical attention to the topic of ambulances and ambulance attendants in their report entitled "Accidental Death and Disability: The Neglected Disease of Modern Society." At that time there were not accepted standards for training and competence of ambulance personnel or specifications for ambulance transport vehicles. Further, the then popular Cadillac station wagon type ambulances were unsuitable for treating patients in transit. 50% of the country's ambulance services were provided by 12,000 morticians. The hearse/funeral director also doubled as the ambulance/ambulance attendant.

The Emergency Medical Service (EMS) System Act, passed into law in 1973. This required that EMS systems create training programs for both hospital and pre-hospital personnel in emergency care techniques and standards for emergency ambulance vehicles. The goal was to provide patients with the most appropriate care in the pre-hospital and hospital settings. With the implementation of the EMS System Act, a major national effort was put forth to improve emergency medical care.

In 1975, the Department of Health, Education, and Welfare defined the EMT-Paramedic as "persons trained for advanced life support services to include sophisticated trauma, cardiac and other critical care elements for intervention treatment, shock therapy and drug administration and cardiac rhythm detection control." In 1977, the National Training Course for the EMT-Paramedic was established by the U.S. National Highway Traffic Safety Administration and its current edition is the National EMS Educational Standards.

Yale-New Haven Hospital and the Hospital of Saint Raphael began educating paramedics together in 1976.

Paramedics Today

Paramedics are licensed professionals. They work with physicians who provide direct and indirect medical oversight for the care of patients in the pre-hospital and out of hospital environments. Paramedics work with indirect medical oversight (standing orders) in the form of Paramedic Protocols from their Medical Director and with direct medical oversight in the form of direct communications with emergency medicine physicians.

Paramedics function as the eyes, ears and hands of the physician by extending the physician's practice to the pre-hospital and out of hospital arena. They need a good grasp of anatomy, physiology, pathophysiology and pharmacology as well as emergency medicine to ensure the safe delivery of patient care and transportation to the hospital for definitive care. To this end, the Yale New Haven Health EMS Education Paramedic Program works to ensure the highest quality of education for these important members of the health care team.

Yale New Haven Health EMS Education

The Emergency Medical Services (EMS) system is a vital component in the care of many patients requiring hospital services. State of Connecticut legislation mandates that advanced level EMS providers work under the auspices of a "Sponsor Hospital." In light of the legislation and to assure a high level of pre-hospital care to the Greater New Haven area, Yale New Haven Hospital operates a sponsor hospital program as part of the department of emergency medicine, EMS section. This "sponsor hospital" combines the financial, clinical and managerial resources of the entire hospital. The major goals of the hospital in establishing the Yale New Haven Hospital Center for EMS are as follows:

1. Ensure standardization of prehospital care
2. Offer the highest quality of training and continuing medical education for all professionals involved in EMS
3. Maintain a comprehensive system which will aid prehospital personnel in providing high quality professional patient care services.

Yale New Haven Health EMS Education Educational Philosophy

In furtherance of the educational mission of Yale New Haven Health EMS Education, 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 needed to address basic and advanced prehospital and out of hospital medicine both today and in the future. Our programs exceed Department of Transportation (DOT) National Highway Traffic Safety Administration (NHTSA) National Standard Curriculum and National Education Standard's objectives and include optional skills adopted by many states. These documents can be found on the Office of EMS website; https://www.ems.gov/education.html

YNHH EMS Education believes in evidence driven medical practice and education. Our initial education programs such as the paramedic program are not specific to local protocol. YNHH EMS Education believes that good, advanced life support first and foremost begins with a strong base of excellent basic life support. YNHH EMS Education initial provider programs are directed toward individuals who take responsibility for their own education, growth, and development; as well as individuals who have the professional behavior and attitude necessary for providers who will be the practitioners and leaders of EMS in the future.

Applicants who feel they may be deficient or may require additional accommodations in one or more of the areas mentioned should speak with the Paramedic Program Coordinator. We will seriously consider applicants who are deficient in any of these areas providing the deficiency can be remedied or reasonably accommodated.

When Yale New Haven Health EMS Education program faculty and the Educational Medical Director of the paramedic program recommends a student for licensing or certification examinations, they are verifying that the student has met all the requirements of the school and can safely perform as an entry-level paramedic.

Most states and the National Registry of Emergency Medical Technicians have regulations prohibiting certification, registration or licensure of those convicted of certain legal infractions. Please check with those agencies if this may apply to you.

Yale New Haven Health EMS Education New Haven Paramedic Program

The Yale New Haven Health EMS Education Paramedic Program is a State of Connecticut approved educational program and is based on the current National Standard Curriculum for Paramedic Training and the current National Educational Standards document of the U.S. NHTSA. The Yale New Haven Health EMS Education Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). The course has over 1200 in-person classroom, lab, clinical and field internship hours. Clinical, lab and field rotations are based on objectives accomplished, not only contact hours. In addition, there are online lectures, written assignments, and homework. The classroom, practical, simulation and clinical portion for the program are conducted throughout semesters I to IV. Finishing of clinical rotations and field internship is conducted during semester V.

The 2025 Echo Hose Satellite Paramedic Program is unique to Yale New Haven Health EMS Education. The distributive learning format allows for a conducive learning environment. Each semester is 15 weeks long. You will be in class for two, three-hour lectures every week and an eight-hour lab day every other week. Class lectures will be supplemented with online coursework through several different online platforms and mediums.

The 2025 Echo Hose Satellite Paramedic Program will have orientation on Tuesday, March 25th, 2025, 0900-1500 hours with class beginning on Tuesday April 1st, 2025, at 0900 hours. The dates, days and times for the program are as follows:

Anatomy and Physiology and Introduction to Paramedicine: April 1, 2025 to July 9, 2025

Tuesdays 0900-1200 & 1300-1500 hours
Every other Wednesday 0900-1700 hours
Plus corresponding clinical rotations
BLS ride time for direct entry candidates

Cardiology I and Medical Emergencies: July 22, 2025 to October 29, 2025

Tuesdays 0900-1200 & 1300-1500 hours
Every other Wednesday 0900-1700 hours
Plus corresponding clinical rotations
BLS ride time for direct entry candidates

Cardiology II and Trauma: November 11, 2025 to February 25, 2026

Tuesdays 0900-1200 & 1300-1500 hours
Every other Wednesday 0900-1700 hours
Plus corresponding clinical rotations
BLS ride time for direct entry candidates

Pediatrics and Operations: March 10, 2026 to June 17, 2026

Tuesdays 0900-1200 & 1300-1500 hours
Every other Wednesday 0900-1700 hours
Plus corresponding clinical rotations
BLS ride time for direct entry candidates

Simulation and Preparatory: June 30, 2026 to October 10, 2026

Every Tuesday 0900-1700 hours
Plus clinical rotations, field internship, and capstone

*Course schedule subject to change

Program Description

Preparatory Skill Labs: A series of skill laboratories are conducted by the faculty to prepare the students to enter clinical rotations and the field internship with a solid foundation. Skills must be demonstrated individually by the student to an instructor. Labs include Advanced Airway Management, IV Access, Medication Administration, Medical & Trauma Patient Assessment, Static, and Dynamic Cardiology, full emergency call simulations.

Anatomy and Physiology: An in-depth study of the structure and function of the human body. This section includes lecture presentations and lab activities.

Didactic Presentations: Topic areas follow the current National Standard Curriculum for Paramedic Training and National Educational Guidelines and include: Patient Assessment, Pharmacology, Shock and Fluid Therapy, Respiratory Emergencies, Cardiovascular Emergencies, Central Nervous system Emergencies, Medical Emergencies, Behavioral Crisis management, Stress Recognition and Management, Pediatrics, Neonatal care, Geriatrics, Endocrine

Disturbances, Trauma, Burns, Triage and Mass Casualty Scene management, Incident Command, EMS/Public Safety Communications, and Professional Issues.

Standard Certifications: The program includes provider level certification in (all required for graduation):

- Advanced Cardiac Life Support (ACLS)
- Pediatric Advanced Life Support (PALS)
- Basic Life Support (BLS) CPR & AED for Healthcare Professionals
- Emergency Pediatric Care (EPC)
- Pre-hospital Trauma Life Support (PHTLS)
- Tactical Emergency Casualty Care (TECC)
- Advanced Medical Life Support (AMLS)
- Mental Health First Aid for First Responders
- Human Trafficking

Clinical Rotations: Students will complete clinical rotations at several of Yale New Haven Health's facilities as well as other outside agencies.

All clinical hours are in addition to the scheduled classroom hours and are individually scheduled by the student and/or the Clinical Education Office. Day, evening, and night hours will be available for clinical rotations. Students should plan on attending a minimum of eight hours of clinical per week in addition to the scheduled class time. Clinical completion is based on objectives accomplished not simply the number of attendance hours.

Field Internships: After completion of all other requirements, students will be permitted to enter their Field Internship. Students will rotate through various YNHH EMS Education sponsored paramedic level provider services. The Paramedic Field Instructors (PFI) are chosen from the ranks of the YNHH EMS Education sponsored EMS providers through a competitive selection process. The PFIs provide all field education. Since the Field Internship is part of the education process, it is important that the program provide proper supervision for the students. Students are assigned one-on-one to ride with a PFI. The PFI's are all highly knowledgeable and motivated EMS providers and educators that take a personal interest in the quality of the education that the student receives.

The Field Internship will consist of a minimum of 100 calls (minimum 50 ALS). The final 30 calls in internship will be the student's capstone. Students will be required to do all capstone calls with the same PFI. The Field Internship is considered complete after the minimum number of calls have been completed, all patient contact and skills categories have been completed, and the student's PFIs have certified that the student has met all the minimum competencies of an entry-level paramedic.

LMS Access: Students are required to have internet connectivity to access the various LMS platforms, which are used for course work and tracking clinical, lab and field rotations as well as scheduling. A laptop or tablet is required. Wi-Fi access is available at our campus.

Vaccinations: All students must provide proof of vaccination with titers (from the current calendar year) prior to acceptance into the program for MMR, Varicella, and Hepatitis B (or declination). Proof of vaccination required for TDAP. Also, students will be required to get an annual PPD skin test (or equivalent) as well as an annual flu vaccine and provide proof of COVID vaccination with booster as mandated by YNHH. Failure to do so can result in a student's inability to attend clinical rotations, resulting in dismissal from the program. YNHH does allow exemption from the flu vaccine and COVID vaccine under very limited circumstances. Please discuss any discrepancies with staff prior to applying.

Tuition and Costs:

$11,620.00**,** which includes tuition, Online Learning Management System, eBooks, two uniform shirts, and scrub top/bottom. There is a non-refundable application and entrance exam fee of $75.00 (not included with tuition.) Textbooks include Emergency Care in the Streets, Advanced Cardiac Life Support, Pediatric Advanced Life Support, Emergency Pediatric Care, Pre-Hospital Trauma Life Support, Pharmacology, ECG's Made Easy, Clinical Cases in Electrocardiography, and Anatomy and Physiology. It is recommended that students do not acquire any texts until the start of the program. It is a REQUIREMENT that ALL students have portable internet access either via laptop computer or tablet PRIOR to the start of the program. Other fees not included in tuition include (but are not limited to), background check, parking, National Registry testing and state licensure fees.

Payment Options

1. **Pay the entire tuition.** Up-front by no later than the first day of class.

2. **Pay per month.** With this option, you put a $1,500.00 deposit down and then your tuition will be broken down into 15 monthly installments (beginning October 1 or 30 days after the start of program whichever occurs first) of $675.00. Monthly payments are due on the 1st of each month. A 5% late charge will be added for tardy payments. If payment is more than 21 days late, the student will not be allowed to attend class until bills are up to date (see Administrative Probation section in the student handbook).

3. **Pay per Term.** With this option you put a $1500 deposit down and then your tuition will be broken down into four installments (one payment per term beginning Term II) of $2,530.00 per term. Payments are due on the first day of each new term. A 5% late charge will be added for tardy payments. If payment is more than 21 days late, the student will not be allowed to attend class until bills are up to date (see Administrative Probation section in the student handbook).

4. **Employee Tuition Reimbursement.** In some cases, individual payment plans can be arranged for students whose employer reimburses them for their education at a set rate. Please speak with the program coordinator should you have any questions about tuition reimbursement payment plans. Once initiated, these payment plans will be subject to all fees and handbook provisions as the other payment options.

Regardless of payment plan selected, all tuition and fees must be paid in full prior to the start of term V. At any point in time if a student on a payment plan wishes to pay his or her entire remaining balance, he or she may do so with no penalties. These prices are for tuition and eBooks ***only***. They ***do not*** include background check, room and board, parking, or other fees listed in your handbook.

Students are responsible for any other associated fees, including travel to clinical sites and parking.

Two uniform shirts as well as one pair of hospital scrubs are included with the cost of tuition. Extra shirts/scrubs as well as other uniform items are the responsibility of the student to provide.

A deposit of $1,500.00 is required at the time of acceptance.

Students are responsible for all costs associated with National Registry testing and State of Connecticut Licensing.

Grading Criteria: Grading for each module will be based on the following.

Student Evaluation and Grading Criteria	Weight	Grading
Homework	25%	A+ 97-100 A 93-96 A- 90-92 B+ 87-89 B 83-86 B- 80-82 C+ 77-79 C 73-76 C- 70-72 F <70
Quizzes	40%	
Exams	30%	
Affective Domain	5%	

Each module must be completed in order with a passing grade of 70 or better.

Program Completion: Students are allowed a maximum of two years (24 months) to complete all program requirements. Many students finish the entire program in sixteen to eighteen months.

Student Handbook: The student handbook is available at our offices at 77-D Willow St. New Haven, CT during business hours. Electronic copies are also available via email.

Syllabus: Full syllabus and schedule are available at our offices at 77-D Willow St. New Haven, CT during normal business hours. Electronic copies are also available via email.

If you have any questions, please feel free to contact us directly.

Requirements for Entrance to the 2025 Echo Hose Satellite Paramedic Program

1. Eighteen (18) years of age or older by the first day of class

2. Current EMT certification. Students who have recently graduated from an EMT program or who do not have at least 100 patient care experiences will be considered however, they **must** attain National Registry or State certification by the end of the first semester, and they may be required to complete additional BLS clinical ride time

3. Valid CPR certification from either the AHA or National Safety Council

4. Minimum High School diploma, with copies of transcripts or college transcripts or equivalent

5. Valid driver's license

6. ICS 100, 200, 700 and 800 certifications

7. Completed physical assessment form

8. Proof of **titer** (from the current calendar year) of the following:
    a. MMR
    b. Varicella
    c. Hepatitis B (or signed declination)

9. Proof of vaccination for TDAP, flu and COVID with booster

10. PPD (or equivalent) from the current calendar year

11. Applicant must not have a substance abuse problem or use illegal or illicit substances

12. Complete application form and submit with attachments as noted

13. Submit three written references in sealed envelopes (applicable EMS references preferred)

Selection for the Paramedic Program is based on the following:

1. Entrance exam score (minimum passing score is 70% in each category, maximum of 2 attempts)

2. EMS experience

3. Review of school transcripts/GED scores

4. Review of references.

5. Results of an oral interview.